

How CSS Grid Changes Everything

(in 15 mins?)



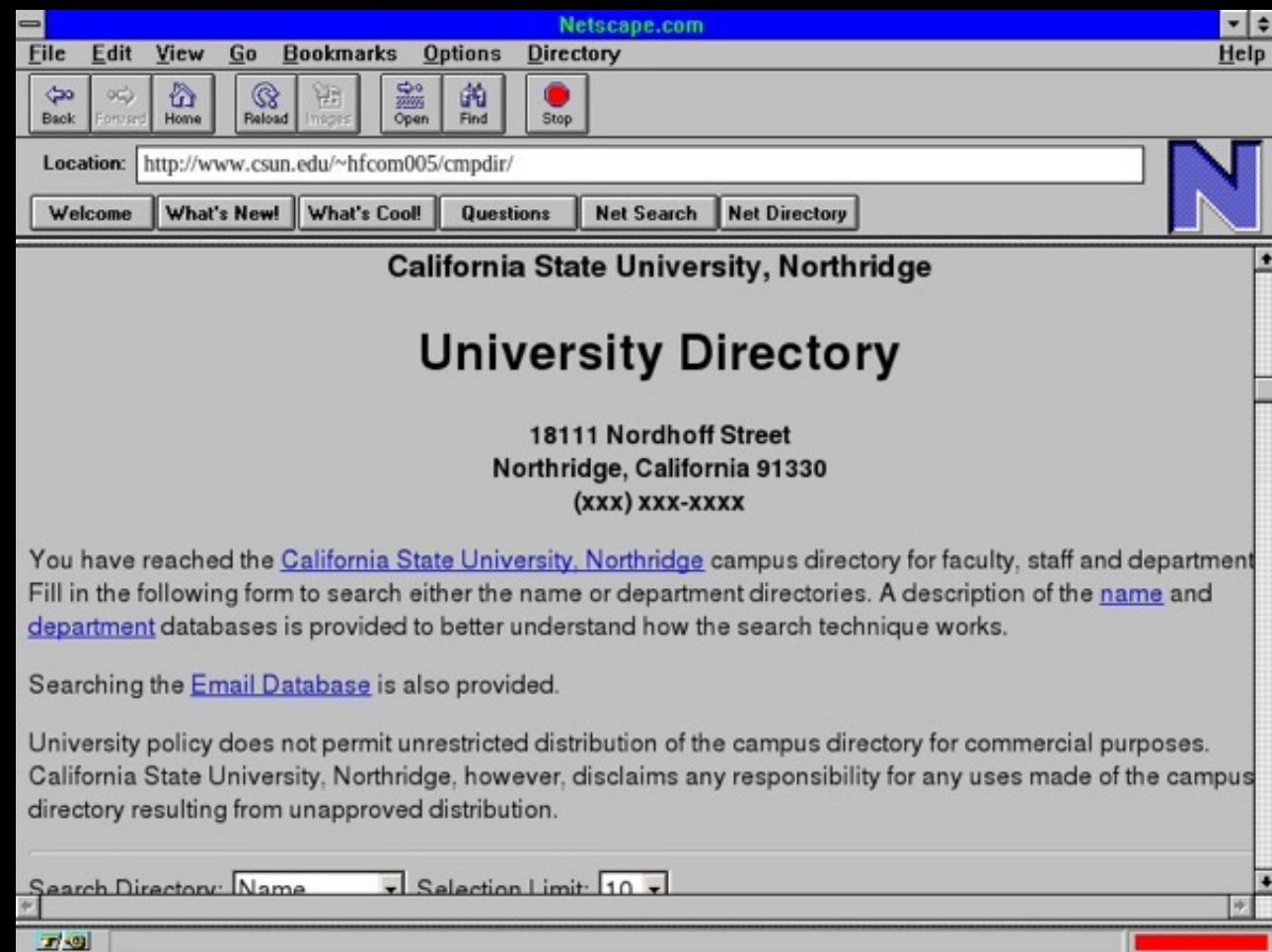
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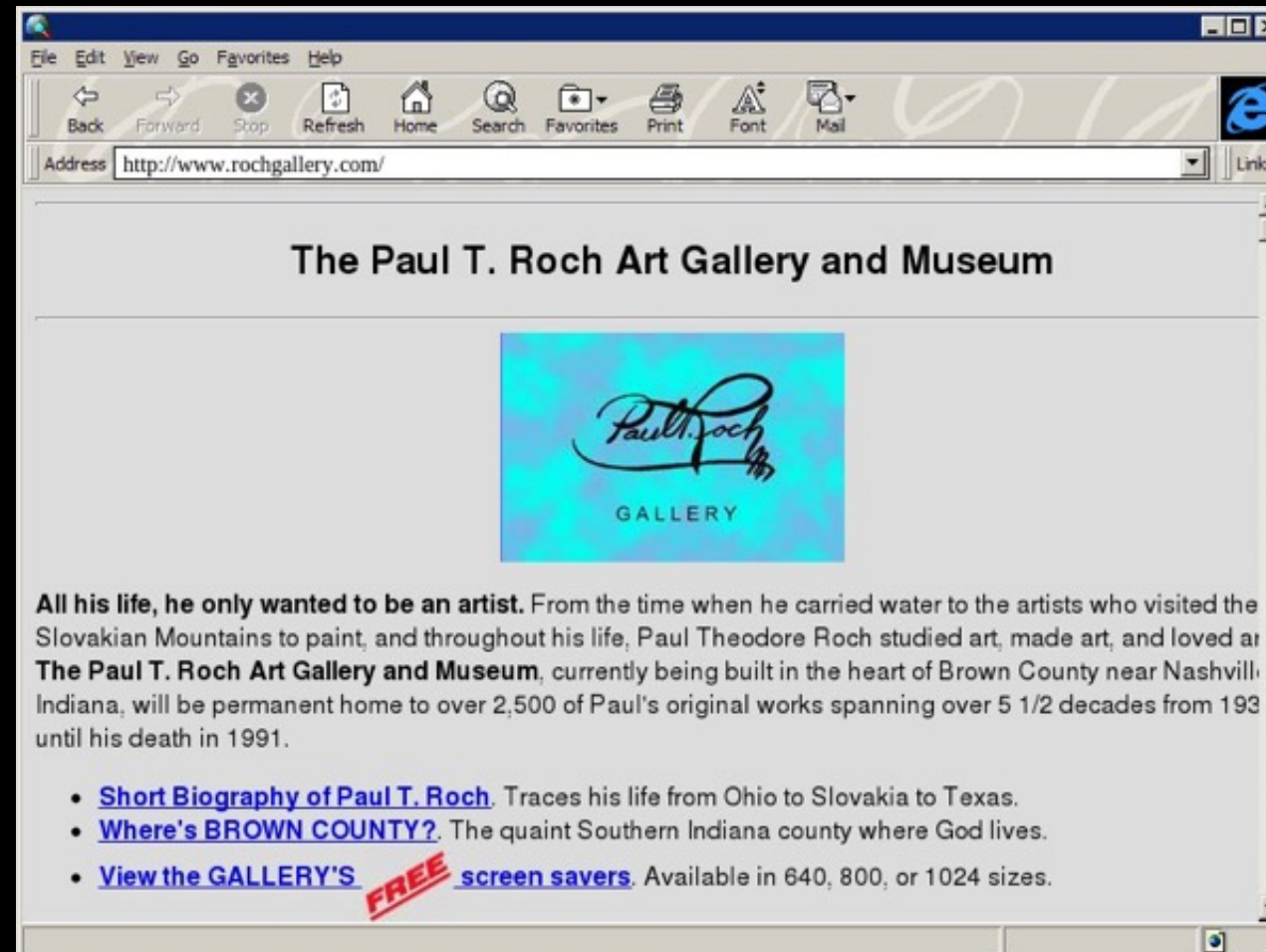
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	Males		Females	
	Under 18	Over 18	Under 18	Over 18
Vanilla	32	20	55	22
Chocolate	50	10	67	33

Preferences for Flavors

```

<TABLE BORDER>
<CAPTION ALIGN=BOTTOM>Preferences for Flavors
  </CAPTION >
<TR><TH ><TH COLSPAN = 2> Males <TH COLSPAN = 2
  >Females</TR>
<TR><TH ><TH >Under 18 <TH >Over 18 <TH> Under 18
  <TH> Over 18</TR>
<TR> <TH> Vanilla<TD>32<TD>20 <TD Align =Center>
  55<TD Align = Center>22</TR>
<TR> <TH> Chocolate<TD>50<TD>10<TD Align =
  Right>67<TD Align = Right>33</TR>
</TABLE>

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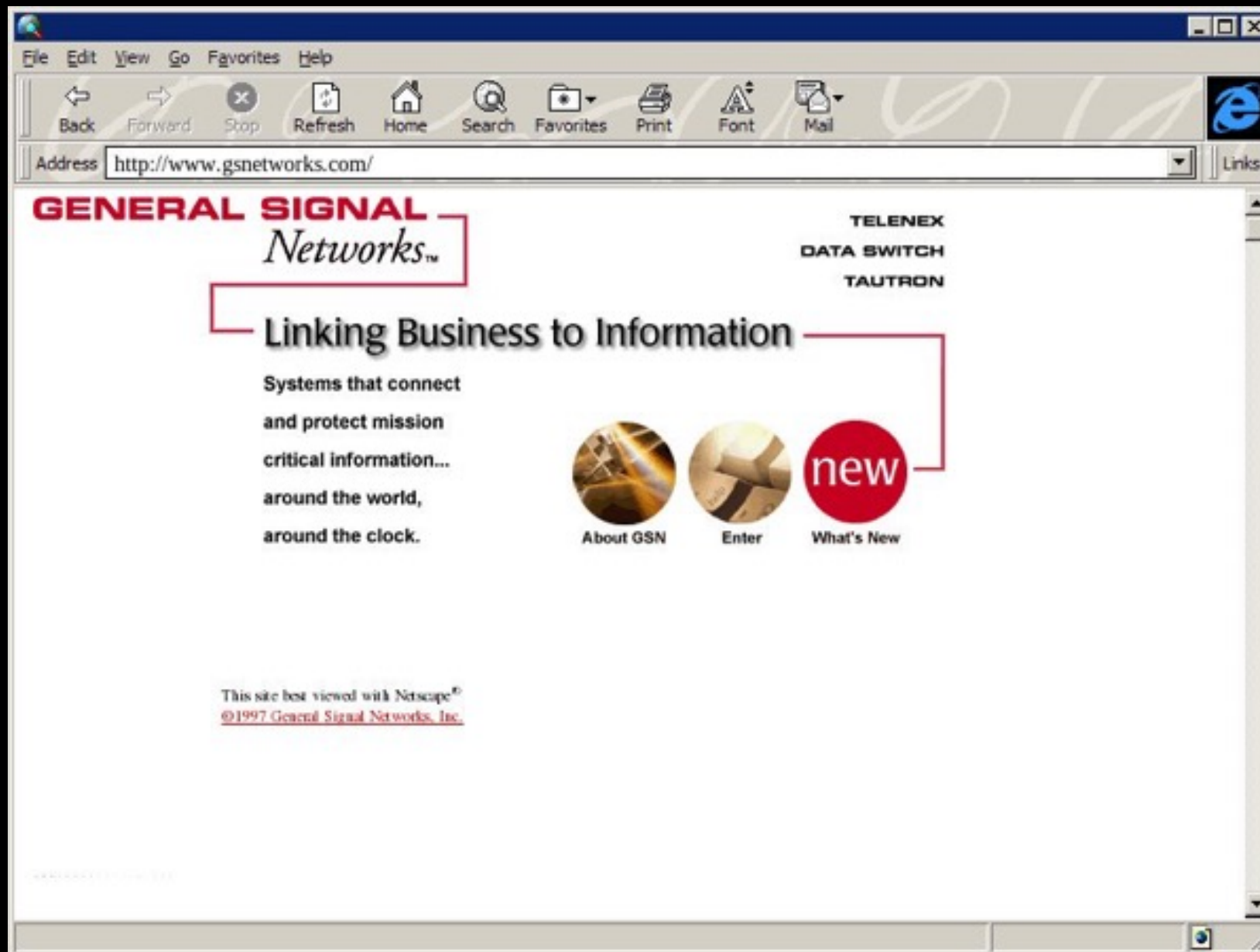
Figure 2.27:

HTML 3.0 alignment options used in tables.

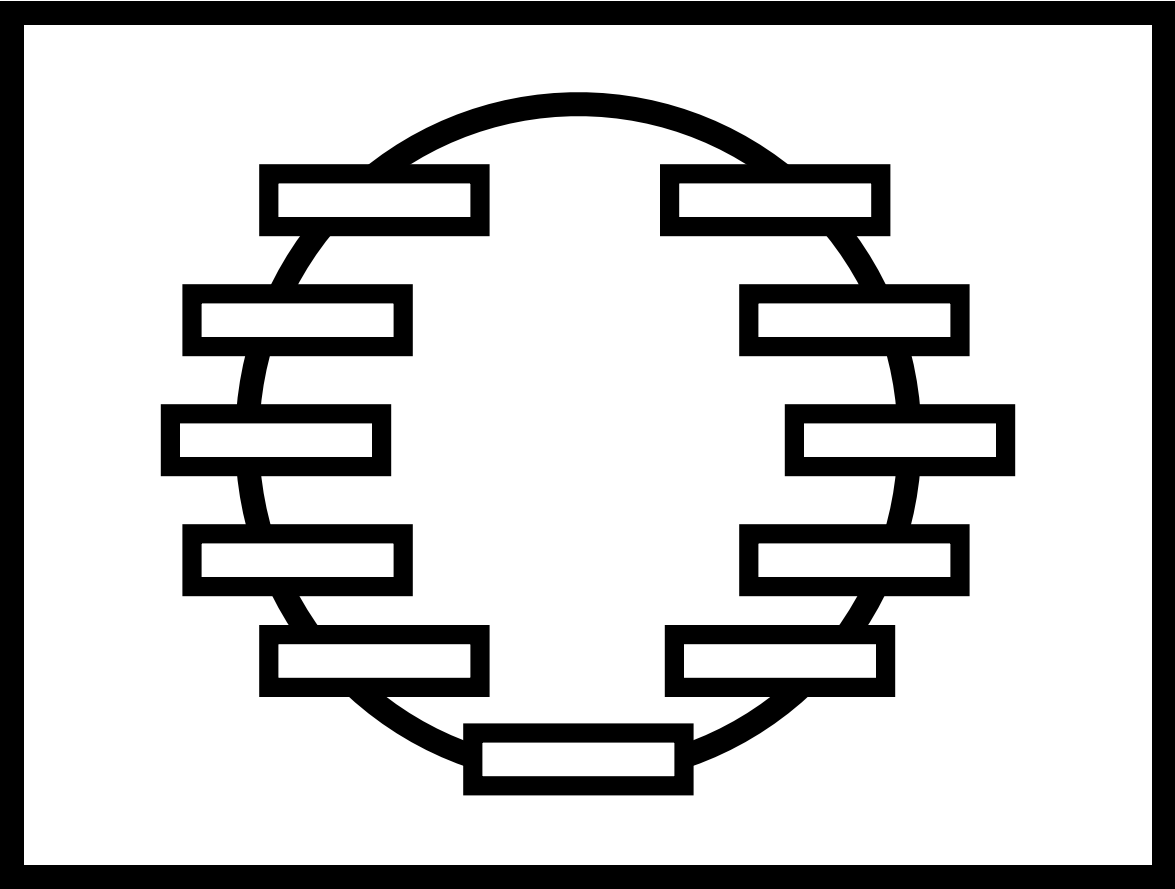
Table 2.8

HTML 3.0 Alignment Control Options

Tag or Option	Function	Comments	Examples
ALIGN = (right, left, center)	Indicates horizontal alignment.	Can be used as an option in block elements, header, lists, preformatted text, tables, equations, and images. Default	<H2 ALIGN=RIGHT> <PRE ALIGN=CENTER> <BLOCKQUOTE











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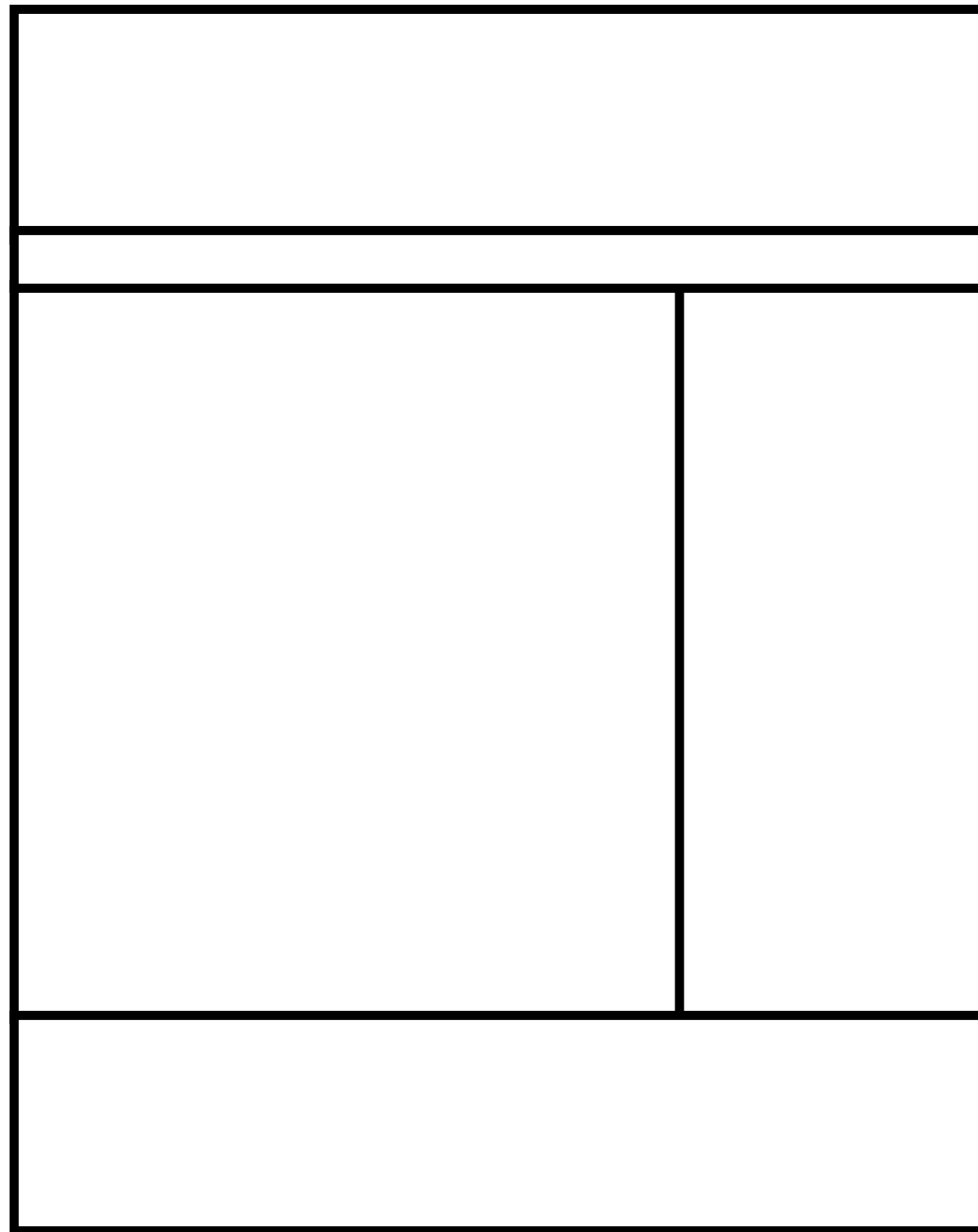
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Intelligence / BLOG STAINED WRITERS

Bill and Emma Keller Write Matching Cancer Columns, Face Internet Wrath

By Joe Gasaroff Follow @joeasaroff

January 13, 2014
3:47 p.m.

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Last week at the *Guardian*, the writer Emma Gilbey Keller wondered aloud, "Forget funeral selfies. What are the ethics of tweeting a terminal illness?" Her commentary centered on the public presence of Lisa Bonchek Adams, who has *blogged* and *tweeted* her way through treatment for metastatic breast cancer. "As her condition declined, her tweets amped up both in frequency and intensity. I couldn't stop reading — I even set up a dedicated @adamslisa column in Tweetdeck — but I felt embarrassed at my voyeurism," Keller explained. "Should there be boundaries in this kind of experience? Is there such a thing as TMI? Are her tweets a grim equivalent of deathbed selfies, one step further than funeral selfies? Why am I so obsessed?"

Keller's rhetorical questions were met with anger and hurt from her audience, including Adams, and the *Guardian* has since *removed the entire column*, but not before she passed the obsession on to her husband, former *New York Times* executive editor Bill Keller.

In the *Times* today, Mr. Keller picked up where his wife left off, likening Adams's treatment and personal writing to "a military campaign" and contrasting her cancer fight with that of his father-in-law's: "His death seemed to me a humane and honorable alternative to the frantic medical trench warfare that often makes an expensive misery of death in America," Keller wrote.



His point, like his wife's, is underinformed and muddled in a mess of condescension toward Adams's suffering and her work. In addition to factual errors, he described Adams as "a cheerleader for cancer research," noting the research fund she helped start, but added, "Beyond that, whether her campaign has been a public service is a more complicated question." Her writing was described as pecking, and so on:

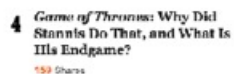
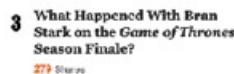
"The words of disease become words my brain gravitates to," she pecked the other day after a blast of radiation. [...]

... any reader can see that Adams's online omnipresence has given her a sense of purpose, a measure of control in a tumultuous time, and the comfort of a loyal, protective online community. Social media have become a kind of self-medication. [...]

Her digital presence is no doubt a comfort to many of her followers. On



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Inside artist Louise Bourgeois' New York home

Untouched since the day she died, Louise Bourgeois' New York home-cum-studio offers an intimate portrait of the artist



The room at the front of Louise Bourgeois' home in New York. Photo: © Nicholas Caon

By Lucy Davies
8:00AM BST 15 Jun 2014
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At 13ft wide, the townhouse in New York that was both home and studio to Louise Bourgeois is almost as tiny as the artist herself. It was here, on the site of an old apple orchard, half a mile from the shore of the Hudson river and Chelsea's elevated railway, that Bourgeois moved back in 1962 when she was 51 years old. It was here too that she died almost half a century later at the age of 98.

The transition from domestic to work-space was engineered with maximum efficiency. When her husband died in 1973, she got rid of the dining table, then the stove, and turned their bedroom into a library for her self-help and psychology books.

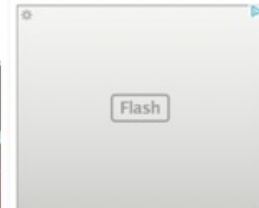
Little by little this elfin woman with her ballerina bun colonised the house like one of the spiders she became famous for sculpting. Cocooning herself into the spaces within its walls, she hollowed out arches and knocked through walls, burrowed through floorboards and installed spiralling stairwells to open up cavities below. No space was wasted in pursuit of her art, and nothing has been tidied away since the day she died. Kitchen cupboards are stacked full of tins, Coty foundation and her hairbrush still twined with hair sit on the mantelpiece, next to a book titled "Taxes for Dummies."

On the day that I visit, the street outside is glossy with rain, but the spring downpour has brought with it a flock of birds, chirping happily and noisily in the trees. Opposite sits a beautiful church, its bell chiming the hour.

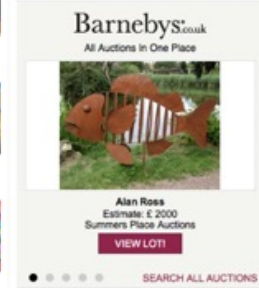
"Louise loved to sit by the window, drawing and writing, watching the street," says her long-time assistant and friend Jerry Gorovoy, who is guiding my visit. A show dedicated to her tapestry works is shortly to open at Hauser & Wirth in Zurich, and though, as he tells me, he doesn't often curate her work, this time he took the reins with pleasure. "I like projects with a small focus where you can bring something new to people," he says. The show includes a number of her heads, as well as spiders and cushion towers. Much of it has never been seen before. Meanwhile, from tomorrow, an exhibition of her works on paper opens at Tate Modern in London.

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Harrison Ford broke leg, not ankle, on 'Star Wars' set

AFP5 hours ago

US actor Harrison Ford poses at the Cannes Film Festival in Cannes, southern France...

Los Angeles (AFP) - Harrison Ford broke his leg on the set of the new "Star Wars" movie last week, a spokeswoman said Thursday, correcting initial reports that the veteran actor fractured his ankle.

The 71-year-old had surgery on the broken limb after being hurt when a garage door fell and hit him at Pinewood Studios outside London last Thursday, according to British emergency services at the time.

In an update a week after the accident, spokeswoman Ina Tre-clokas said: "Harrison Ford's left leg was broken in an accident. His surgery was successful and he will begin rehab shortly.

"He's doing well and looks forward to returning to work," she added in a statement.

Filming began in May on the new episode of the iconic franchise, directed by blockbuster filmmaker J.J. Abrams.

Original cast members Ford, Carrie Fisher, Mark Hamill, Anthony Daniels, Peter Mayhew and Kenny Baker star in the new film, due for worldwide release on December 18, 2015.

Ford is back as smuggler Han Solo, 62-year-old Hamill will return as Jedi Knight Luke Skywalker and Fisher, 57, reprises the role of Princess Leia.

Disney recruited "Star Trek" and "Mission: Impossible III" director Abrams in a bid to re-create the magic from the original trilogy: "Star Wars," "The Empire Strikes Back" and "Return of the Jedi."

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Truck driver in Tracy Morgan crash was driving 65 in 45 mph zone: NTSB


The report released by the National Transportation Safety Board says that about a half-mile south of the crash on the northbound New Jersey Turnpike, Kevin Roper, the driver of the truck, ignored signs advising drivers to slow from 55 mph to 45 mph because of construction ahead. The June 7 crash with the comic's limo left one dead and critically Morgan and others.

BY LARRY MCSHANE / NEW YORK DAILY NEWS / Published: Thursday, June 19, 2014, 11:35 AM / Updated: Thursday, June 19, 2014, 12:35 PM

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Flash




Truck driver Kevin Roper (right) looks on during his hearing at a courthouse in New Jersey June 11.

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A tractor-trailer driver was flying 20 miles above the posted speed limit before his fatal wreck with a van carrying comic Tracy Morgan, investigators said Thursday.

A preliminary National Transportation Safety Board report indicated trucker Kevin Roper — charged with vehicular homicide in the June 7 crash — was zipping along at 65 mph on the New Jersey Turnpike.

"30 Rock" star Morgan, 45, was critically injured and his pal James (Uncle Jimmy Mack) McNair, 63, was killed in the 1 a.m. pileup in Cranbury, N.J.



The Wal-Mart truck driven by Kevin Roper is seen in the crash on the New Jersey Turnpike on June 7.

According to the NTSB, Roper was cruising at a high rate of speed despite two warning signs posted on the northbound Turnpike.

The first, just under a mile away from the accident scene, warned of a lane closure ahead while a second about a half-mile away advised the speed limit was lowered from 55 mph to 45 mph, the report said.

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Ben Affleck to star in 'Batman' standalone film: report

Batman fans may be getting the solo movie they deserve, just not the one they need right now. Warner

Fish parade returns to the Bronx

Guppies, fishermen, mermaids and even Dwight Gooden will swim their way through a South Bronx neighborhood Saturday to

'Third Person': Movie review

In the opening moments of "Third Person," a writer played by Liam Neeson sits at a desk in a hotel room and, as happens often in

Stoudemire and Kimmel prank Metta World Peace

Ten years ago, Jimmy Kimmel would have gotten a much different reaction from Metta World Peace

FROM AROUND THE WEB

Why Families Keep Coming Back to Aruba Year After Year (Aruba)

Six Steps to Take If You're in a Car Accident (Automobile Magazine)

Adorable Black-Footed Cats Born in Philadelphia (Vetstreet)

These Annoying



About Grace Community Church

In 2010 Grace Community Church started with just a handful of people, a small place to meet and a dream to grow a church that was fresh, real, powerful and relevant.

God was faithful and the church began to grow – eventually outgrowing its previous facility. Pastor Chip and the other leadership prayerfully decided to relocate to Lakewood Ranch – where Grace has continued to grow - going from 1 to 3 Weekend Services!

Grace Community Church is a non-denominational church that centers on having a real and vibrant relationship with Jesus Christ. If you are looking for a fun, real, non-traditional, life changing, applicable to life church that ministers to the entire family, then Grace Community Church might just be the place for you!

About Our Pastor

Dr. Chip Bennett serves as the Founding Senior Pastor of Grace Community Church. Chip is a very bright and talented young man, being both an accomplished Pastor and successful Businessman throughout his life.

Chip also serves as an adjunct professor in multiple universities, training the next generation of Pastors. His education is as follows:

- B.S. – Biblical Studies
- M.A. – Theology
- M.A. – Classic and Hellenistic Literature
- M.Div. – Theology
- D.Min. – Literary Biblical Preaching & Teaching
- Ph.D. – Theology

Chips education, coupled with his real life experience gives him a very unique skill set when it comes to preaching and teaching. You will hear the Bible in a new and fresh way, as Chip uses practical application, literary understanding and the imaginative gift of story in his weekend messages.

Chip and his wife Mincy have a wonderful family. His hobbies include reading, electric guitar and being an avid University of Kentucky Basketball fan!



Grace Community Church

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6 PM

Sunday Service
9 and 11 AM

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President Obama sends greetings to Presiding Bishop-elect Curry
[Episcopal News Service - Salt Lake City] President Barack Obama sent congratulations to Presiding Bishop-elect Michael Curry in a letter dated July 2. Presiding Bishop Katharine Jefferts Schori, the first female presiding bishop of The Episcopal C... [\[Read More\]](#)

Clergy
94
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2
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General Convention approves marriage equality
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New Logo and Identity for Cambridge Design Partnership by Moving Brands

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before

after

Reviewed June 16, 2014 by Armin

Comments (35)

Filed under corporate and tagged with monogram, monospace, moving brands

Established in 1996, Cambridge Design Partnership (CDP) is a technology and industrial product development consultancy with 65 employees in two offices — its headquarters in Cambridge, England, and a new one in Palo Alto, CA. Working for the consumer, healthcare, energy, and industrial markets, CDP designs products like a disposable splint system for fractured limbs, a respiratory humidifier, a self-cleaning powered painter, a device to help save water in the shower. CDP recently introduced a new identity designed by Moving Brands.

[The] existing business story "Think differently" — although genuine — was almost a replica of Apple's "Think Different," an irony that worked directly against communicating its truly innovative approach. We redefined the brand story as "Potential realized," precisely encapsulating the company's purpose and its ability, through innovation, to realize potential for its clients.

moving brands case study



CDP folks explain their business and how the new identity works for them.

We retained the name Cambridge Design Partnership as it anchored the business to positive perceptions, but we knew its

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WHAT IS GRAPHIC DESIGN?

Suppose you want to announce or sell something, amuse or persuade someone, explain a complicated system or demonstrate a process. In other words, you have a message you want to communicate. How do you "send" it? You could tell people one by one or broadcast by radio or loudspeaker. That's verbal communication. But if you use any visual medium at all—if you make a poster; type a letter; create a business logo, a magazine ad, or an album cover; even make a computer printout—you are using a form of visual communication called graphic design.

Graphic designers work with drawn, painted, photographed, or computer-generated images (pictures), but they also design the letterforms that make up various typefaces found in movie credits and TV ads; in books, magazines, and menus; and even on computer screens. Designers create, choose, and organize these elements—typography, images, and the so-called "white space" around them—to communicate a message. Graphic design is a part of your daily life. From humble things like gum wrappers to huge things like billboards to the T-shirt you're wearing, graphic design informs, persuades, organizes, stimulates, locates, identifies, attracts attention and provides pleasure.

Graphic design is a creative process that combines art and technology to communicate ideas. The designer works with a variety of communication tools in order to convey a message from a client to a particular audience. The main tools are image and typography.

Image-based design

Designers develop images to represent the ideas their clients want to communicate. Images can be incredibly powerful and compelling tools of communication, conveying not only information but also moods and emotions. People respond to images instinctively based on their personalities, associations, and previous experience. For example, you know that a chili pepper is hot, and this knowledge in combination with the image creates a visual pun.

In the case of image-based design, the images must carry the entire message; there are few if any words to help. These images may be photographic, painted, drawn, or graphically rendered in many different ways. Image-based design is employed when the designer determines that, in a particular case, a picture is indeed worth a thousand words.

Type-based design

In some cases, designers rely on words to convey a message, but they use words differently from the ways writers do. To designers, what the words look like is as important as their meaning. The visual forms, whether typography (communication designed by means of the printed word) or handmade lettering, perform many communication functions. They can arrest your attention on a poster, identify the product name on a package or a truck, and present running text as the typography in a book does. Designers are experts at presenting information in a visual form in print or on film, packaging, or signs.

When you look at an "ordinary" printed page of running text, what is involved in designing such a seemingly simple page? Think about what you would do if you were asked to redesign the page. Would you change the typeface or type size? Would you divide the text into two narrower columns? What about the margins and the spacing between the paragraphs and lines? Would you indent the paragraphs or begin them with decorative lettering? What other kinds of treatment might you give the page number? Would you change the boldface terms, perhaps using italic or underlining? What other changes might you consider, and how would they affect the way the reader reacts to the content? Designers evaluate the message and the audience for type-based design in order to make these kinds of decisions.

Image and type

Designers often combine images and typography to communicate a client's message to an audience. They explore the creative possibilities presented by words (typography) and images (photography, illustration, and fine art). It is up to the designer not only to find or create appropriate letterforms and images but also to establish the best balance between them.

Designers are the link between the client and the audience. On the one hand, a client is often too close to the message to understand various ways in which it can be presented. The audience, on the other hand, is often too broad to have any direct impact on how a communication is presented. What's more, it is usually difficult to make the audience a part of the creative process. Unlike client and audience, graphic designers learn how to construct a message and how to present it successfully. They work with the client to understand the content and the purpose of the message. They often collaborate with market researchers and other specialists to understand the nature of the audience. Once a design concept is chosen, the designers work with illustrators and photographers as well as with typesetters and printers or other production specialists to create the final design product.

Symbols, logos and logotypes

Symbols and logos are special, highly condensed information forms or identifiers. Symbols are abstract representation of a particular idea or identity. The CBS "eye" and the active "television" are symbolic forms, which we learn to recognize as representing a particular concept or company. Logotypes are corporate identifications based on a special typographical word treatment. Some identifiers are hybrid, or combinations of symbol and logotype. In order to create these identifiers, the designer must have a clear vision of the corporation or idea to be represented and of the audience to which the message is directed.

Graphic Design: A Career Guide and Education Directory
Edited by Sharon Helmer Poggenpohl
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The American Institute of Graphic Arts

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Recommendations

WHAT DESIGNERS NEED TO KNOW

Designers need to master a wide variety of skills and concepts.
Section: Tools and Resources · Page: graphic design

DESIGNERS AT WORK

What do professional designers really do? This question needs to be asked in order to answer why you need a design education and what you need to study.
Section: Tools and Resources · Page: graphic design

WHO BECOMES A DESIGNER?

There are probably as many kinds of designers as there are kinds of design, so how do you know whether a career in design might be right for you?
Section: Tools and Resources · Page: graphic design



EDUCATION AND DESIGN

Through AIGA, the professional association for design, educators have opportunities to learn new skills, develop design curriculum, get advice on pressing questions and hear insights from peers.
Section: Tools and Resources · Page: education

WEBINAR: TYPOGRAPHY FOR THE WEB

Event: December 7, 2011

Breakthroughs
A free webinar series designed by Adobe and AIGA, exclusively for members.

At last, web designers have the freedom to choose their typefaces as print designers do. Hear from Tim Brown, type manager for Typetalk, about the possibilities for "Typography for the Web," part of the "Breakthroughs" webinar series designed by Adobe and AIGA—exclusively for AIGA members.

JOIN THE DIALOGUE

FEATURED JOB

Senior Designer (print and interactive)
Adios On Purpose
New York
May 12, 2014

FEATURED PORTFOLIO

B
BROLLY'S LONDON
Federico Zuleta
New York

DESIGN ENVY

Signage in Flushing, New York
June 11, 2014

RECENT TWEET

FROM THE ARCHIVES

AIGA MAKE/THINK Conference · Title Sequences & Motion Graphics
Monogram Studio

FROM THE BLOG

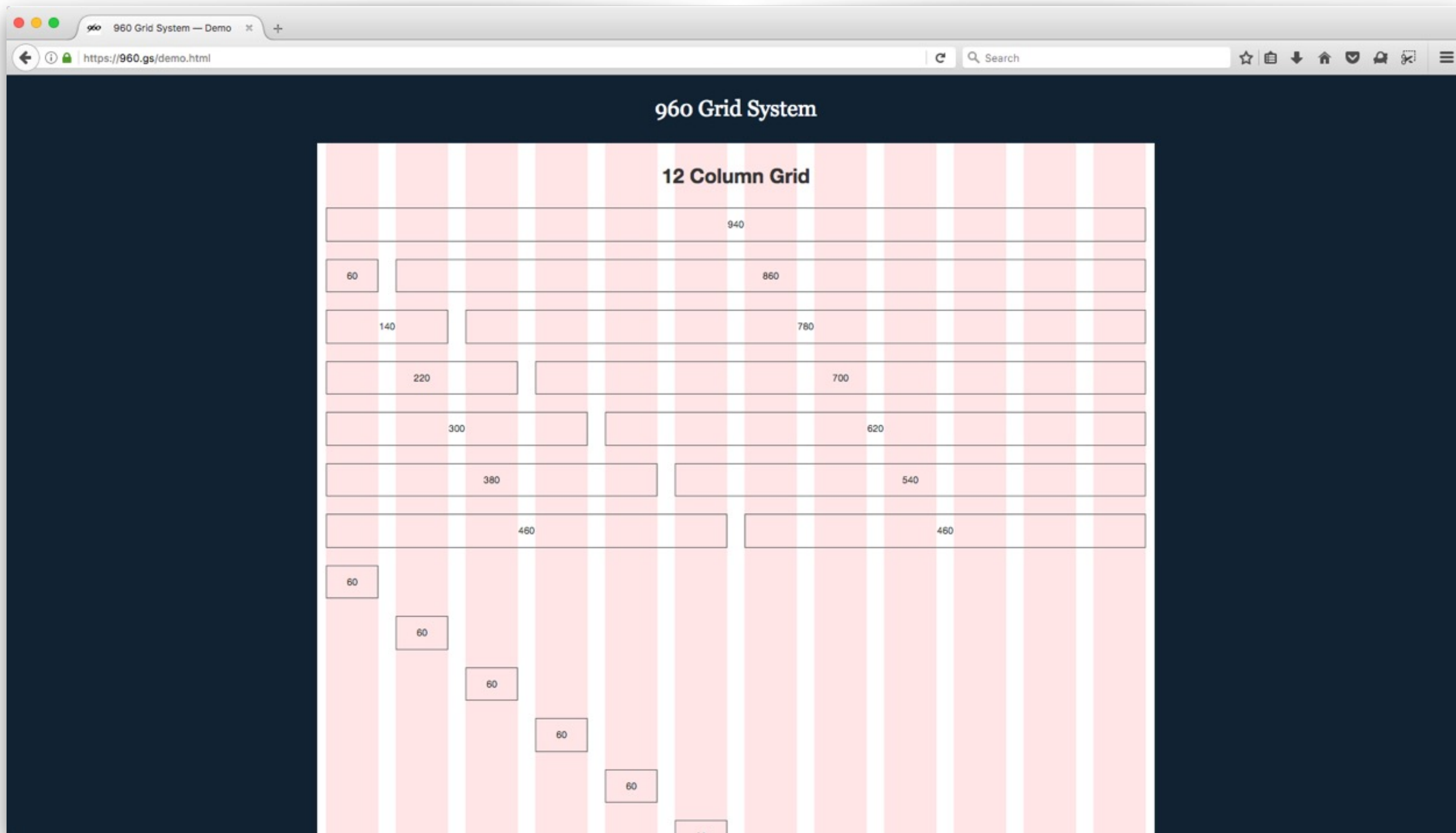
Mind Documentary on James Victore
Posted by xulianxia
7 days ago from xulianxia

TALK TO US

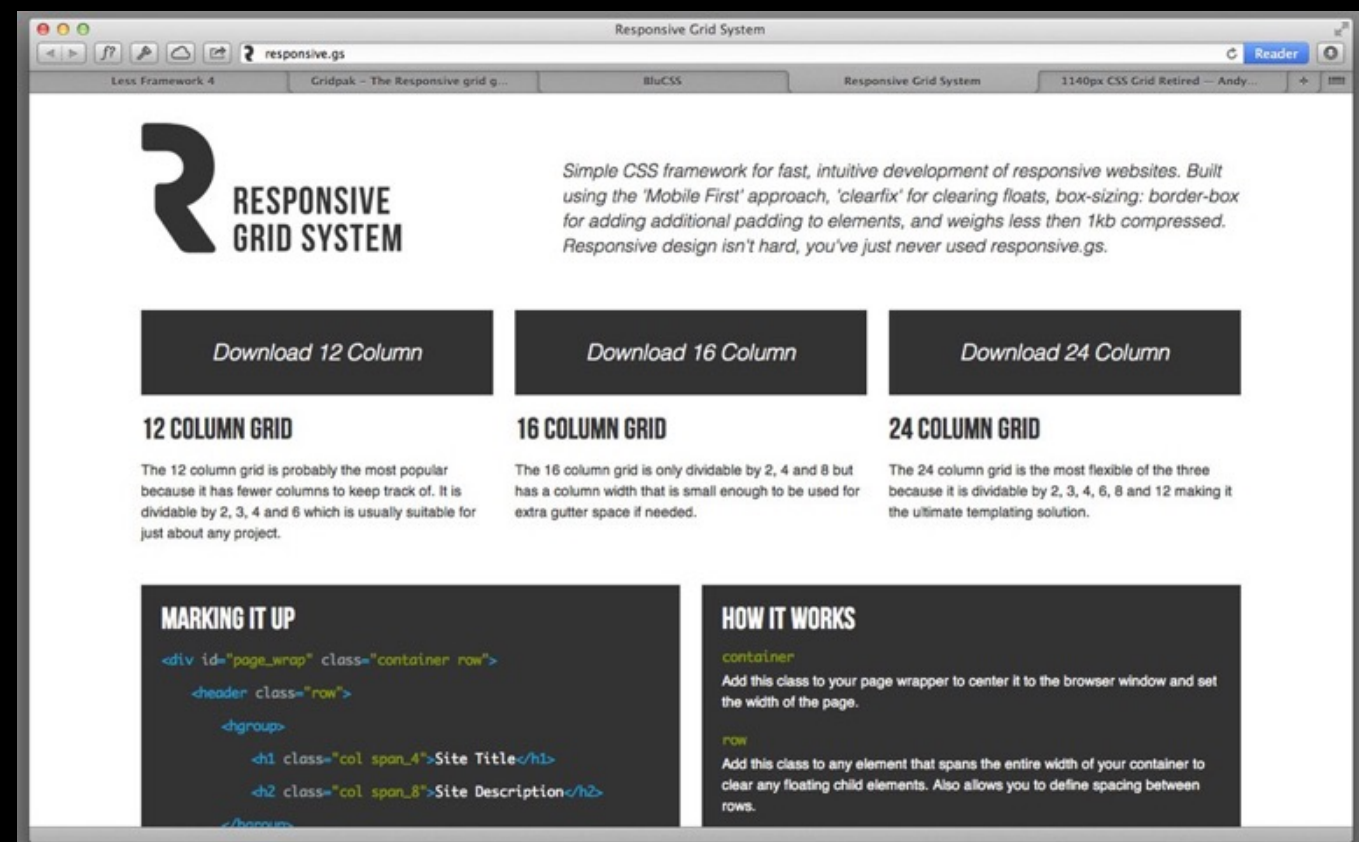
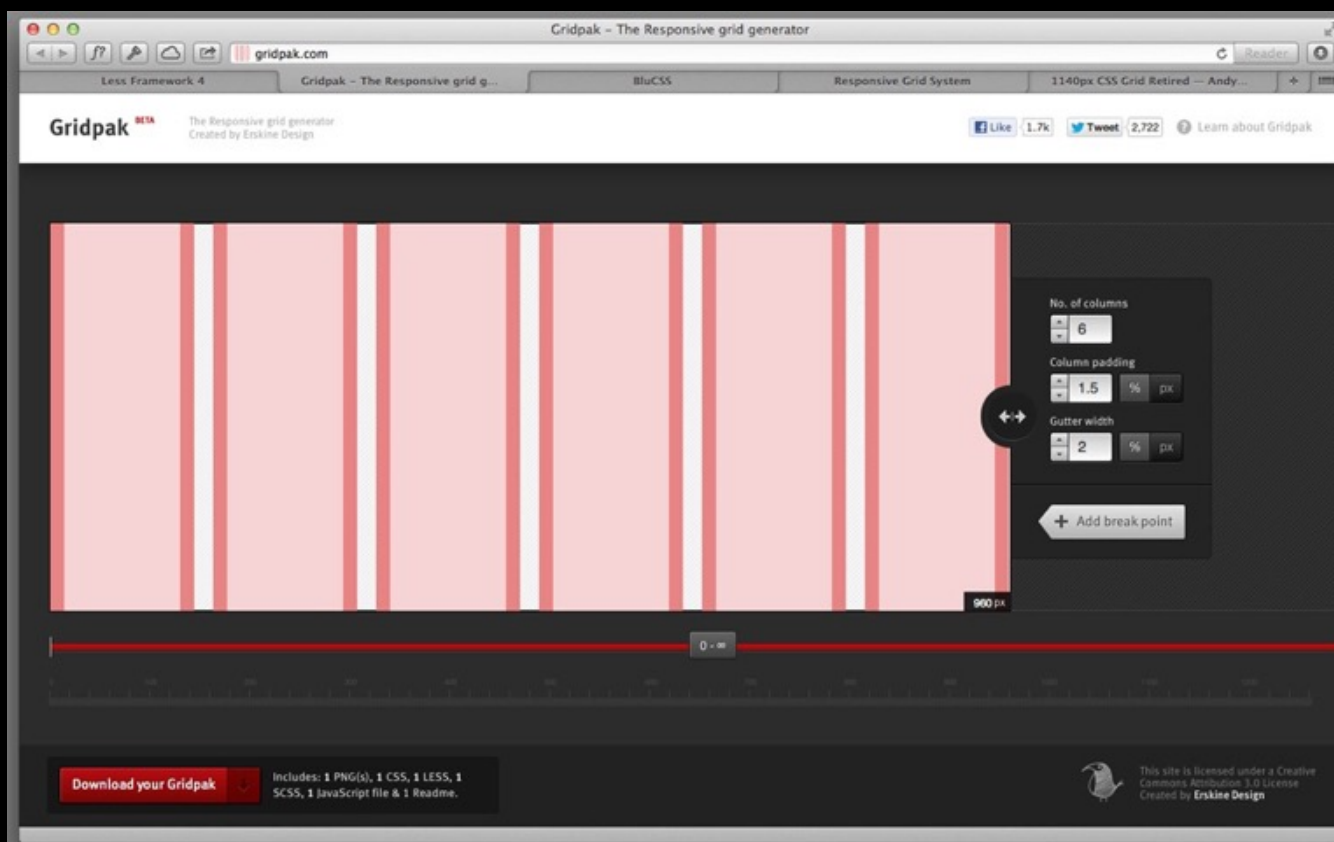
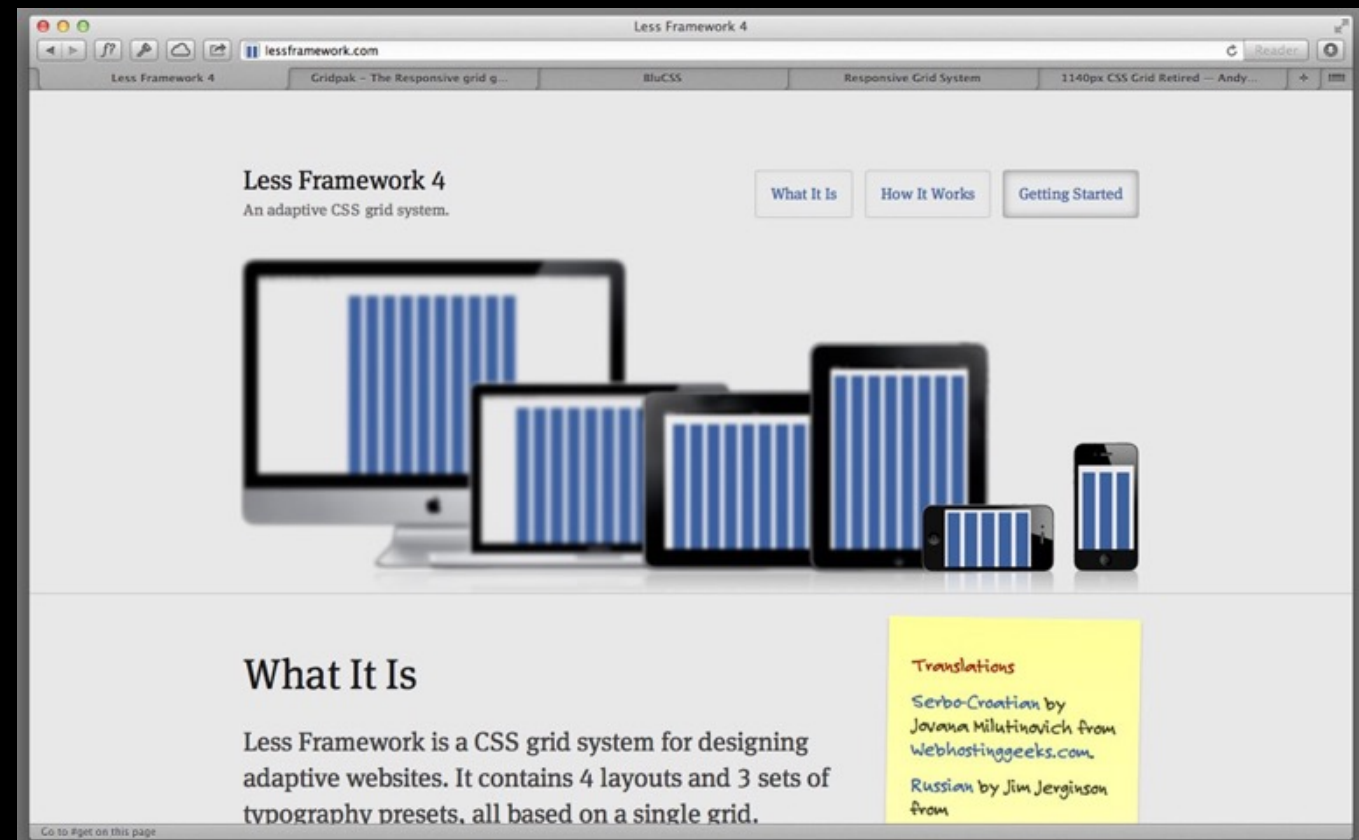
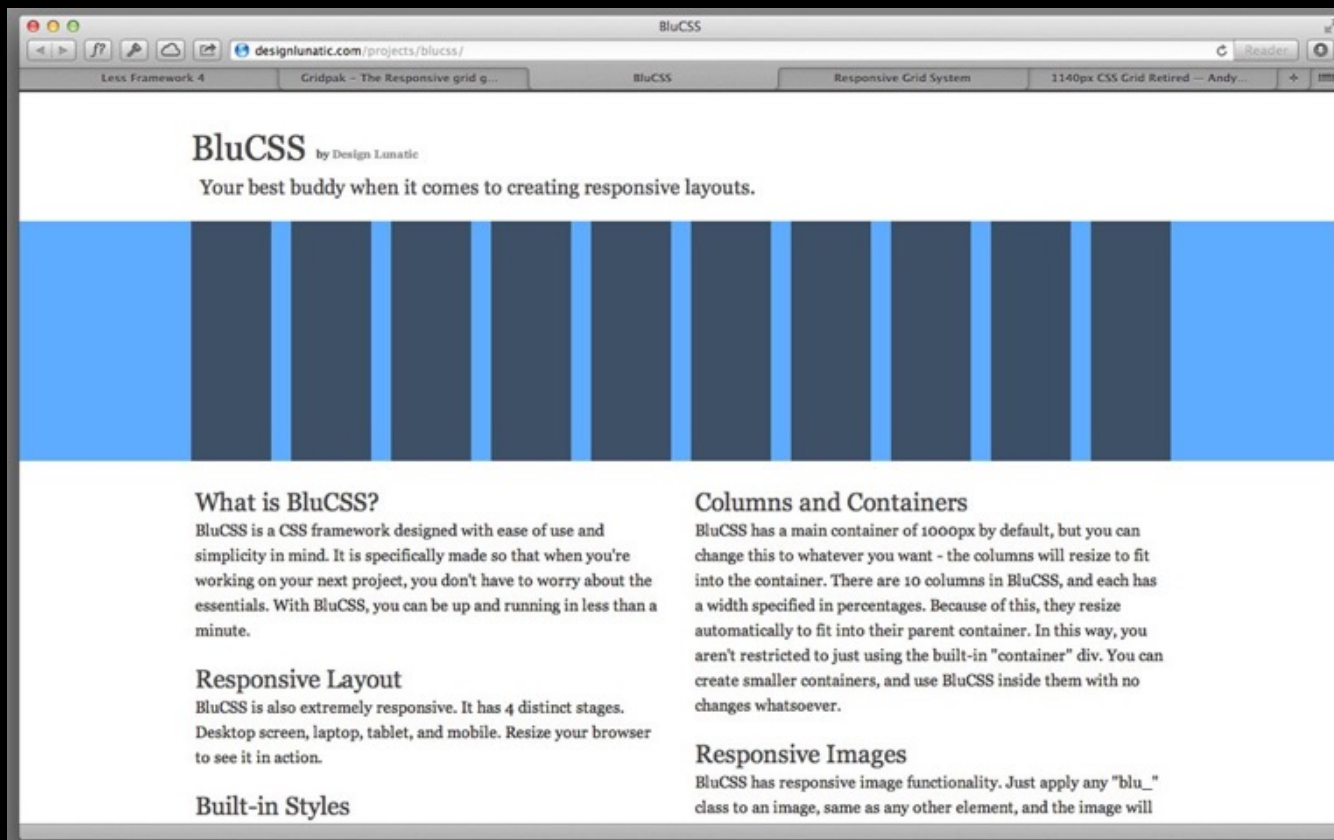
FEATURED PORTFOLIO

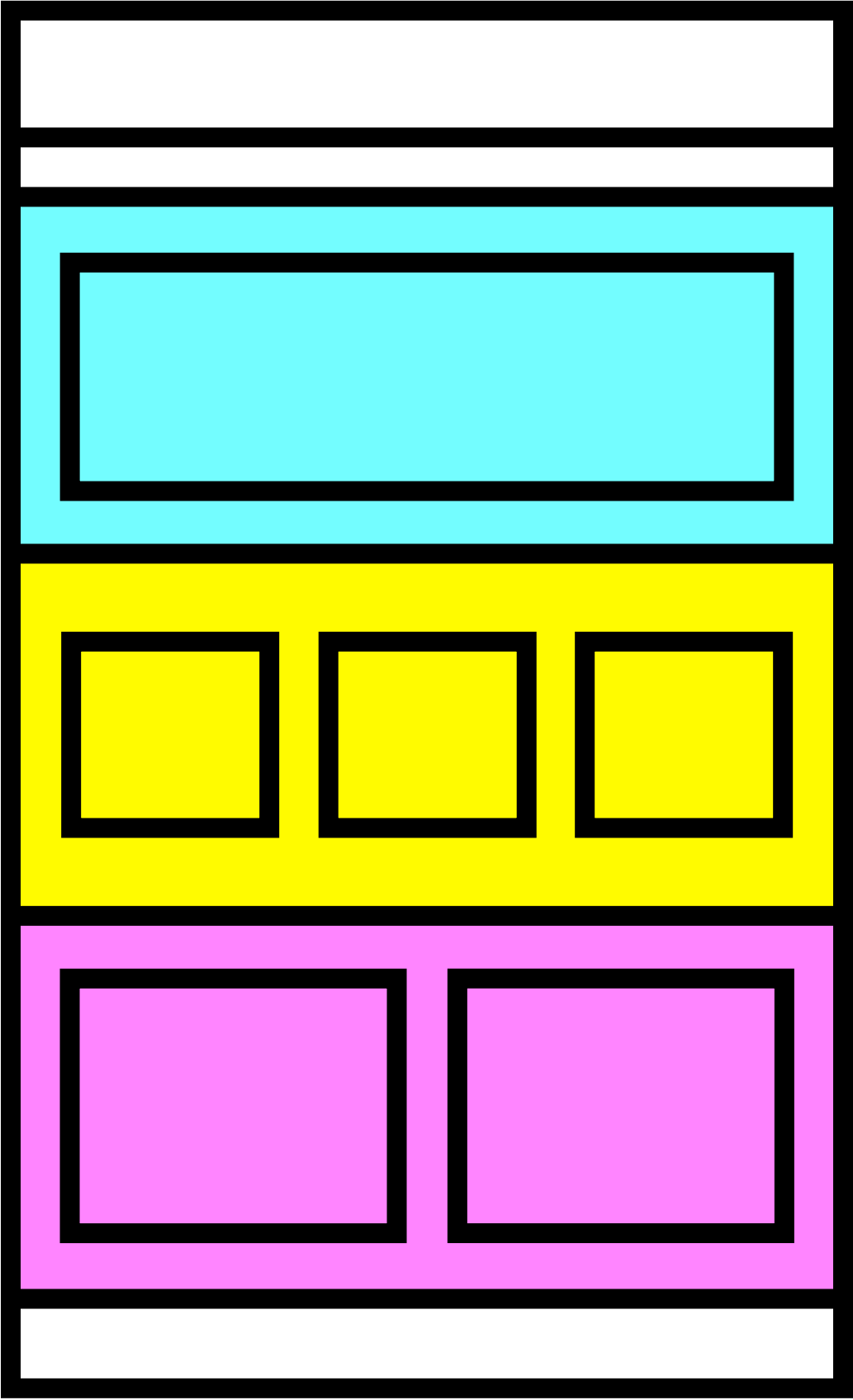
Paul Berkholder
Wiscasset

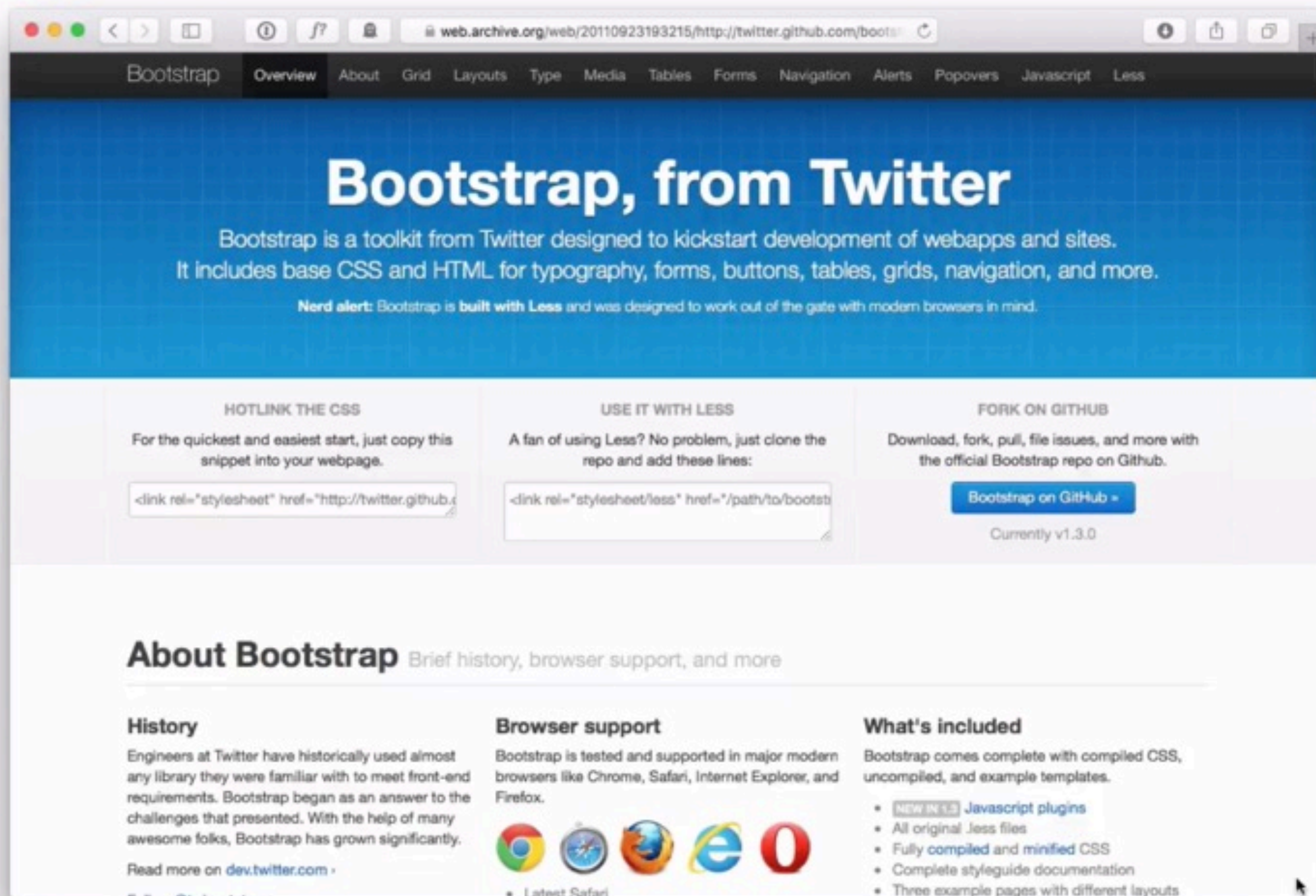
FROM THE ARCHIVES











Site under (re)construction. Coming soon: a new Pied Piper. Please check back soon. In the meantime, visit bachmanity.com.



*A Middle-Out Compression Solution
Making Data Storage Problems Smaller*

[Home](#) | [Technology](#) | [Who We Are](#) | [Blog](#)

What is Pied Piper?

The Pied Piper platform is finally HERE, so climb on up and join us! Scroll down to see how the music of our 'compression flute' will tootle away the rats of file storage dilemmas, video buffering marathons, and endless download times!



The Official Timeline of Web Page Layout



The
No-Layout
Layout

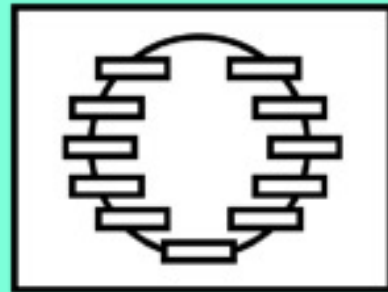


Table-based
Layouts



Hand-coded
Float Layouts



Framework
Layouts

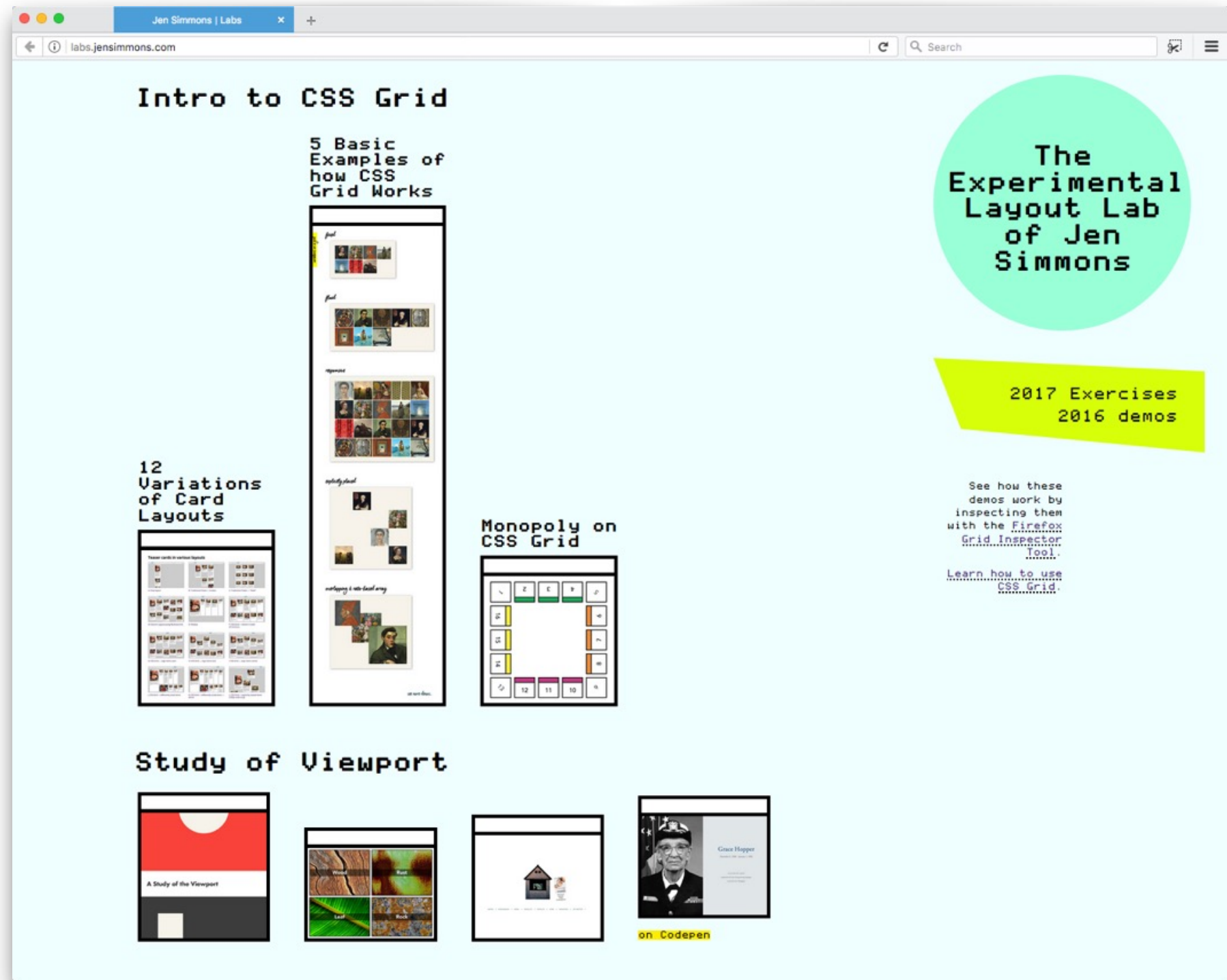


Amazing
Future!

CSS Grid	Flow
Flexbox	Floats
Alignment	Block
Writing Modes	Inline
Multicolumn	Inline-block
Viewport Units	Display:table
Transforms	Margin
Object Fit	Negative margins
Clip-path	Padding
Masking	
Shape-outside	everything else
Initial-letter	in CSS



*This new CSS
changes everything
in web layout.*



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Jazz Poster | Jen Simmons

labs.jensimmons.com/2017/03-008.html

Search

JAZZ AT LINCOLN CENTER SPRING 2007

Bebop Lives!
Celebrating the best of
Dizzy Gillespie and Charlie
Parker
January 26-27, 8pm

Jazz and Art
The Jazz at Lincoln Center
Orchestra with Wynton
Marsalis & special guest
Mark O'Connor
February 22-24, 8pm

**Dr. Michael White
Quartet**
With clarinetist Dr. Michael
White, banjo player Seva
Veniet, trumpeter Gregg
Stafford, and bassist Vince
Giordano
March 13, 7:30pm

**New York Youth
Symphony: Dedicated
to Diz**
with special guest Jon
Faddis
March 14, 8pm


Sinne Eeg
With vocalist Sinne Eeg,
pianist Jacob Christoffersen,
drummer Clarence Penn,
and bassist Johannes
Weidenmueller
March 15, 2:30pm

**Late Night Session:
Evan Sherman
Entourage**
Tuesday-Saturday evenings,
doors open at 11:15pm for
Late Night Sessions.
March 15, 11:15pm

**An Evening with
Audrey Shalir**
With vocalist Audrey Shalir,
Musical Director/pianist Ted
Howe, bassist Tom Kennedy,
and drummer Matt Siocum
March 16, 8pm

New York City Opera

GET TICKETS WHILE THEY LAST!



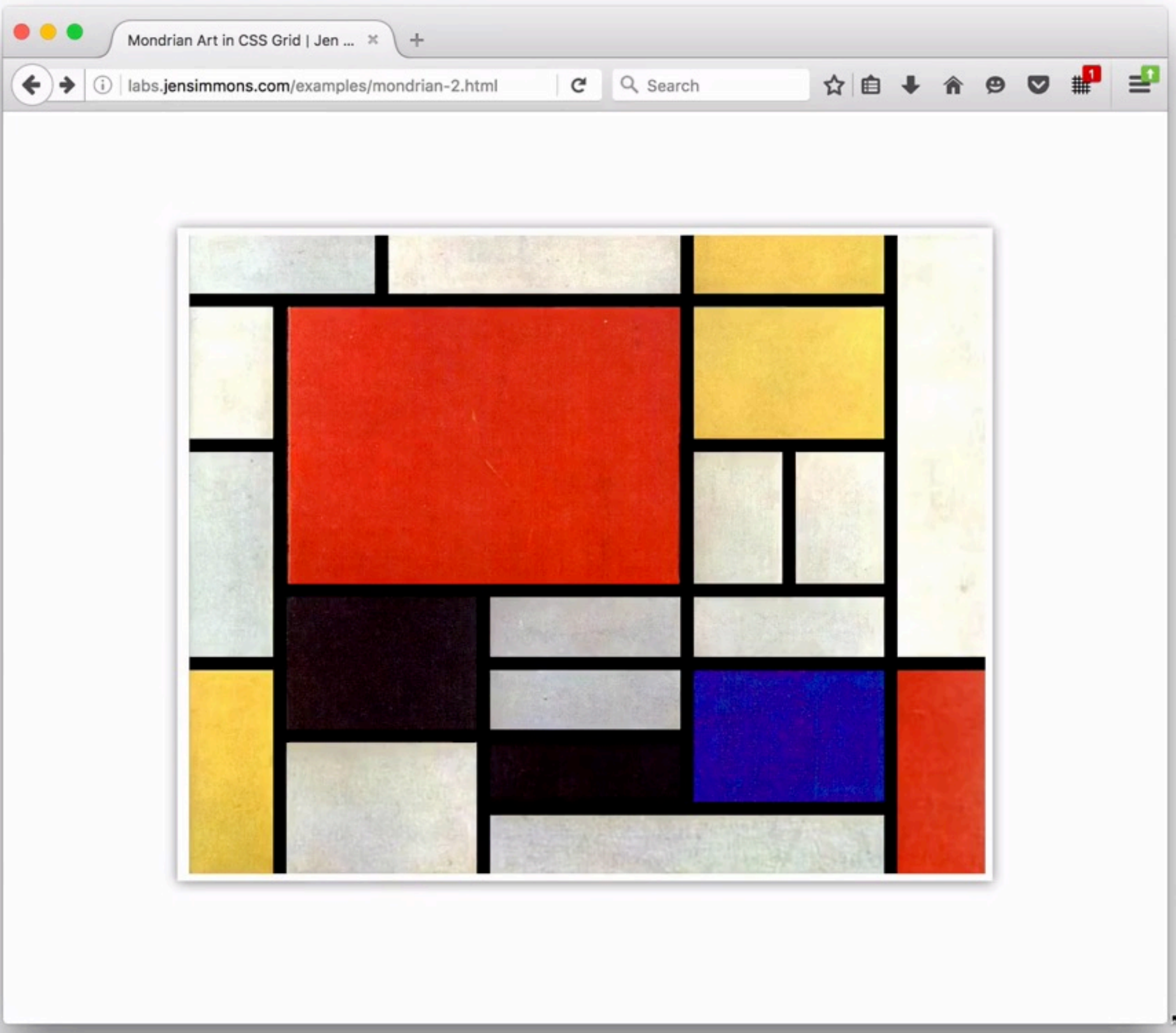
THE EXPERIMENTAL LAYOUT LAB

OF JEN SIMMONS

WORKSHOP EXAMPLES

Includes examples for
REVOLUTIONIZE YOUR
PAGE: REAL ART DIRECTION
ON THE WEB
PROGRESSING OUR
LAYOUTS
MODERN LAYOUTS:
GETTING OUT OF OUR

Follow @JENSIMMONS on Twitter for more as it happens.
Sign up for **LAYOUT LAND**, a place for us to show off new ideas for layout.



Grid makes it
much easier to implement
the same old layouts.

Grid makes it possible
to do layouts that were
not possible before.

Nature of CSS Grid

explicit vs. implicit



*You define
the size and/or
number of rows
and/or
columns*

*Let the browser
define number or
size of rows
or columns*

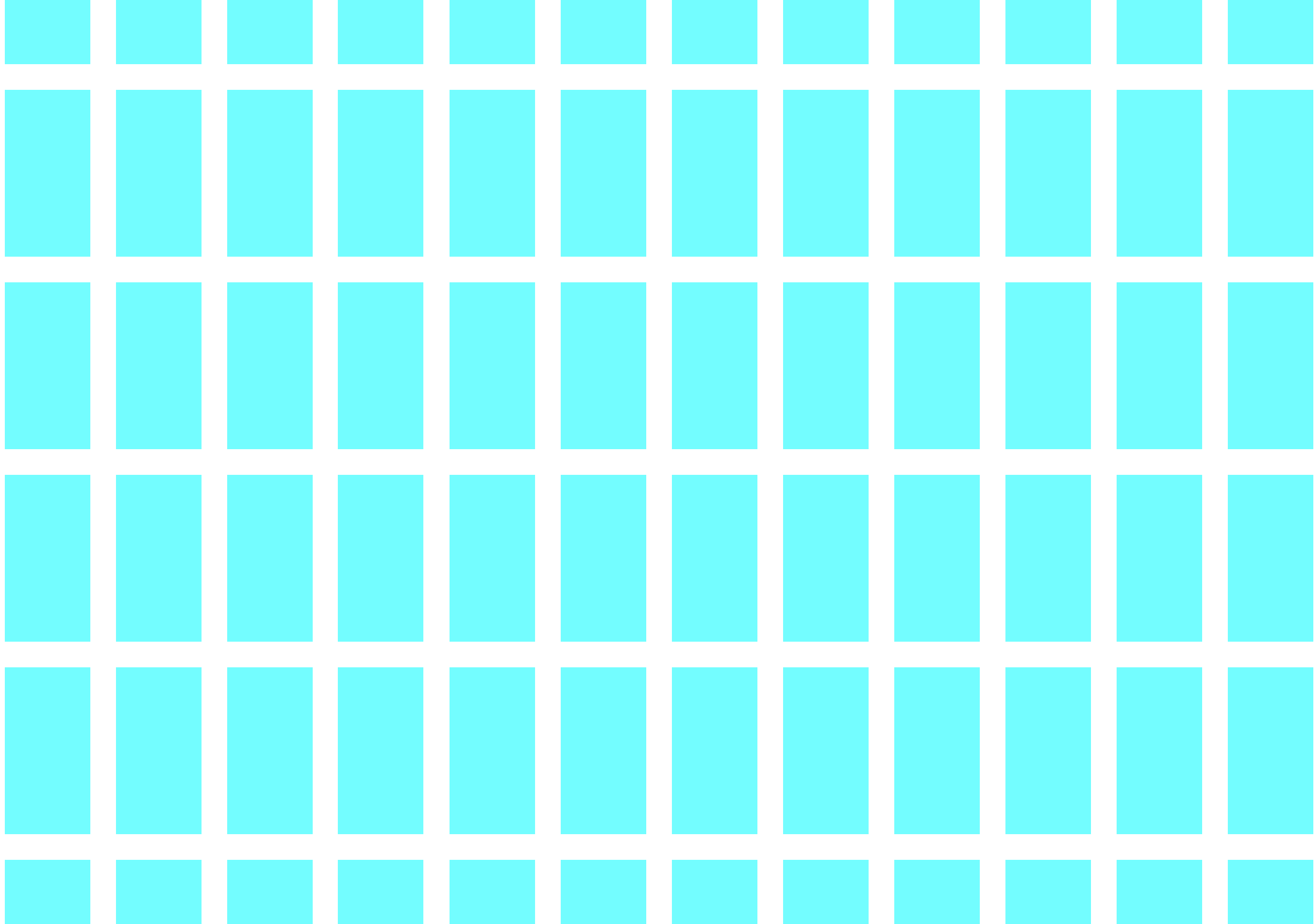


*Place each item
into a specific
cell or area*

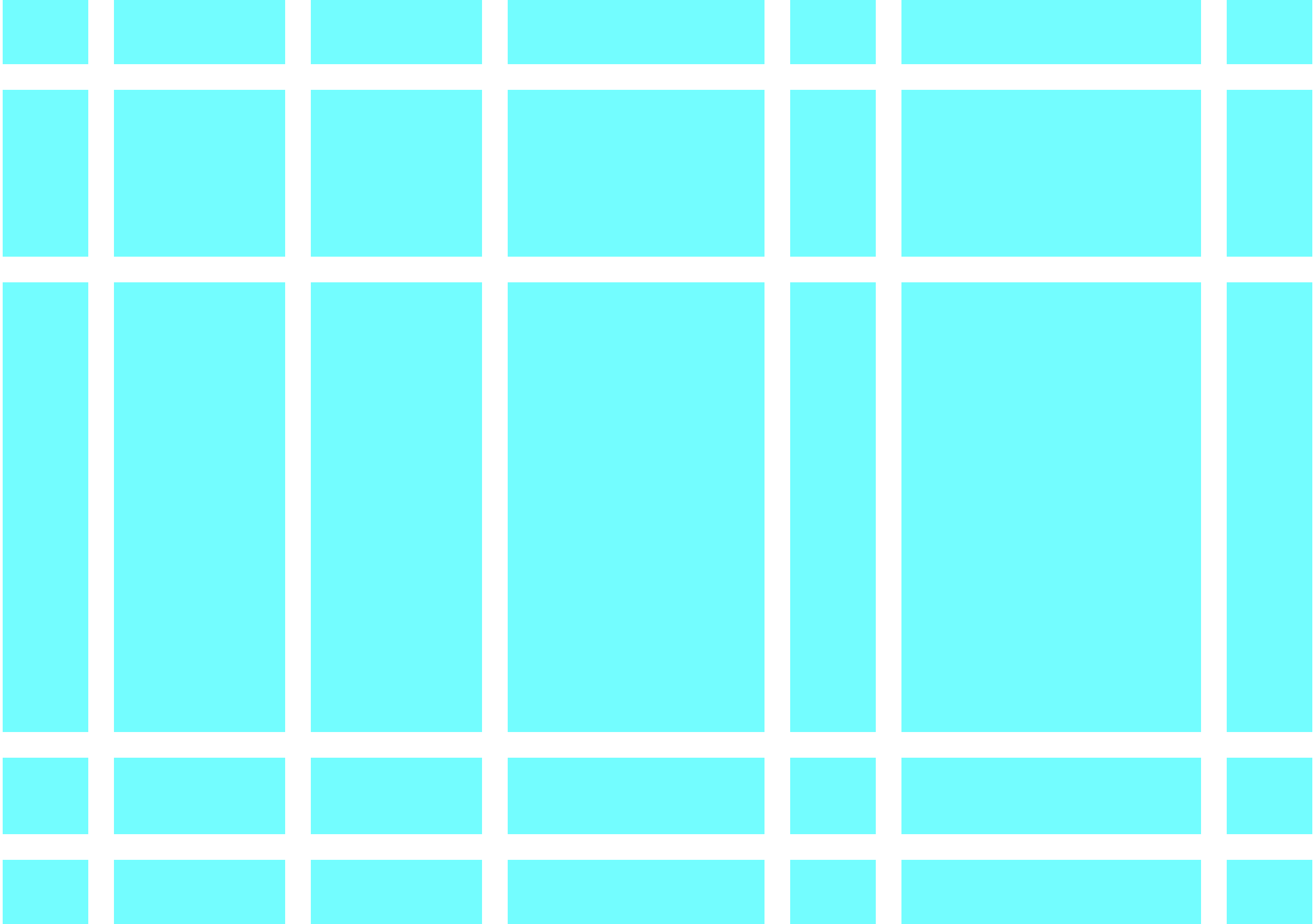
*Let the browser
place each
item using
auto-placement
algorithm*

*Rows *and* Columns*

ROWS!!!!!!!!!!!!

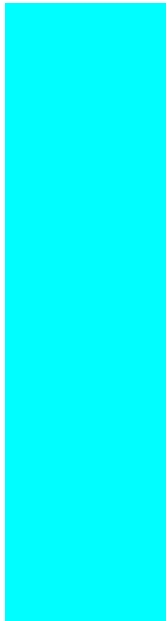


*Tracks don't have to all
be the same size.*

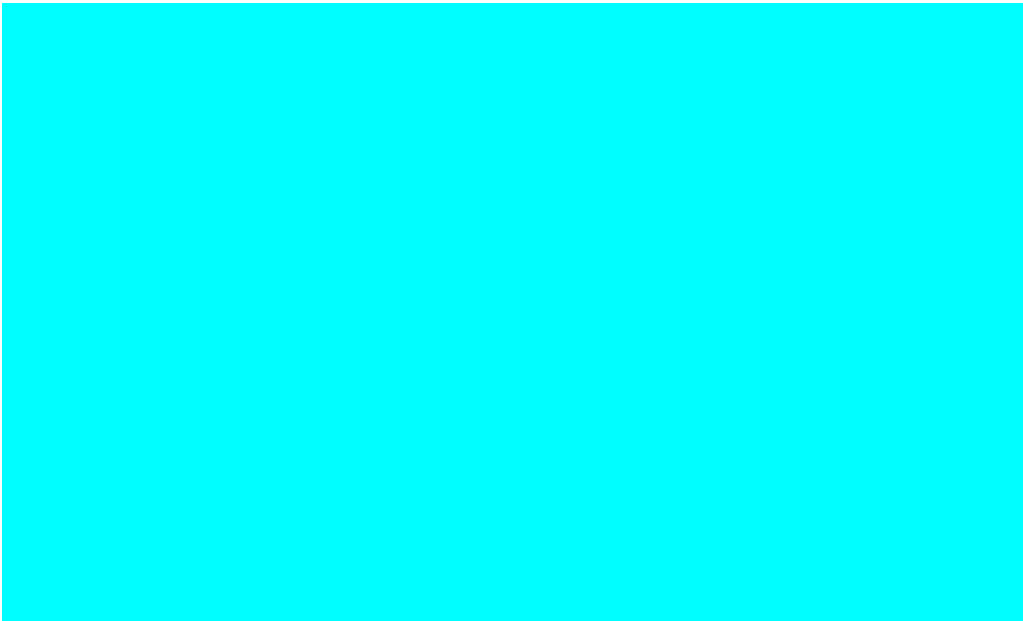


*Content sized by
the size of a track.*

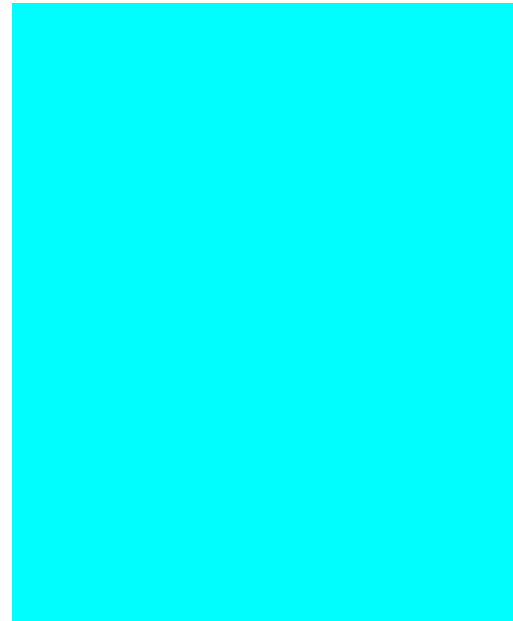
*Tracks sized by
the size of content.*



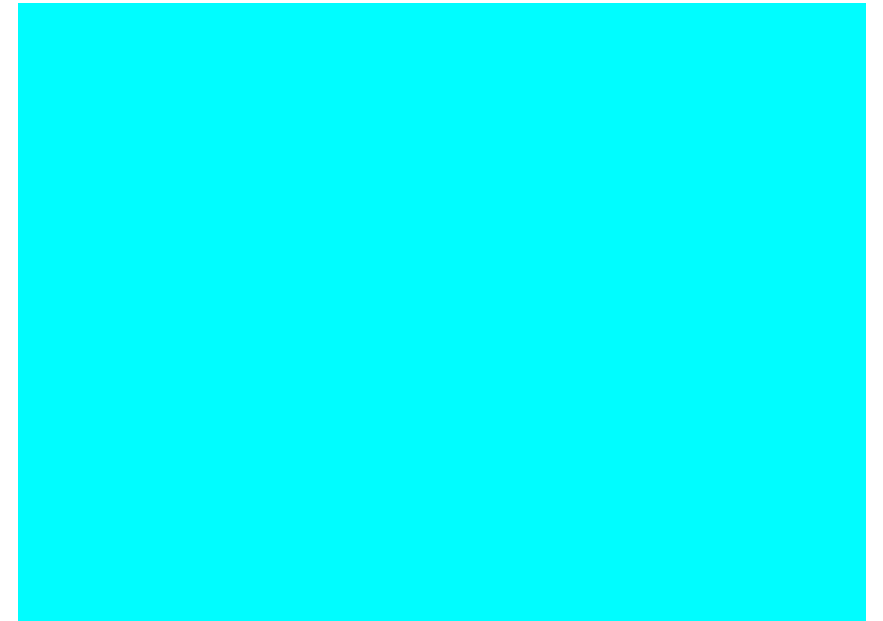
fixed



**portion of
available
space –
2 parts**

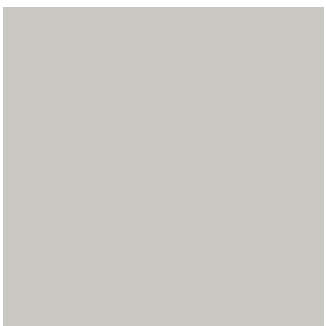
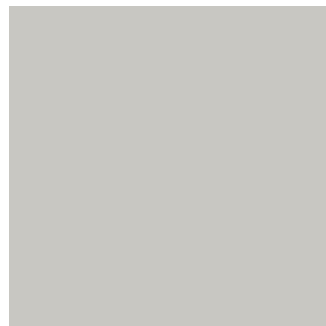
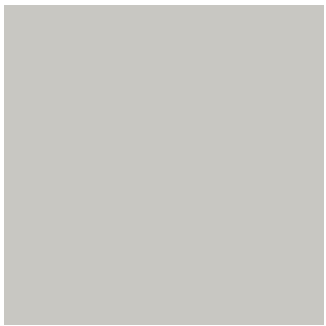
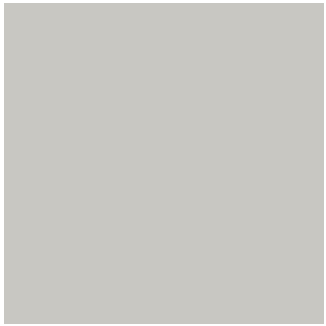
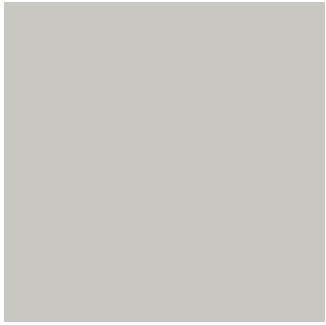


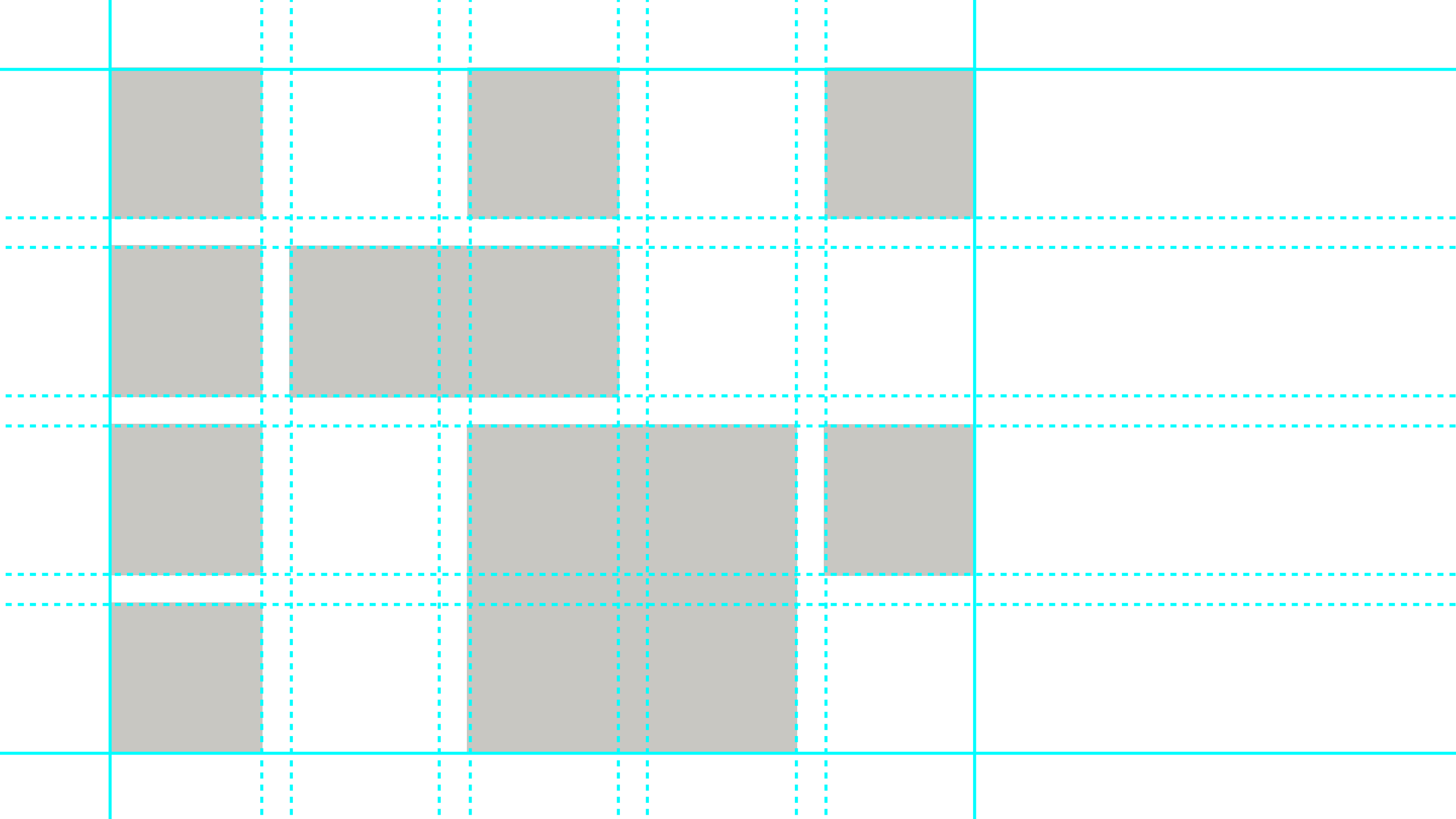
**portion of
available
space –
1 part**

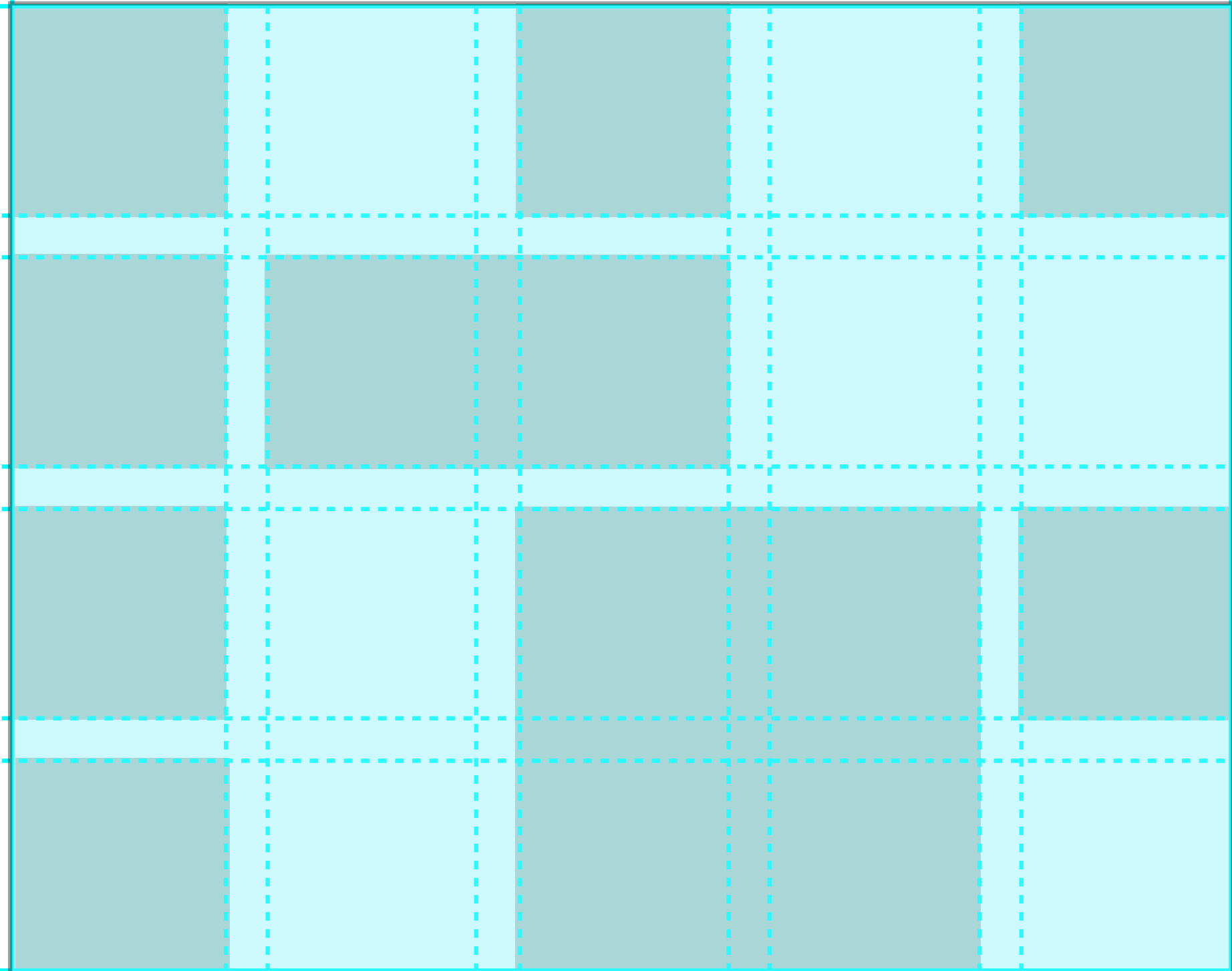


**set by
content size**

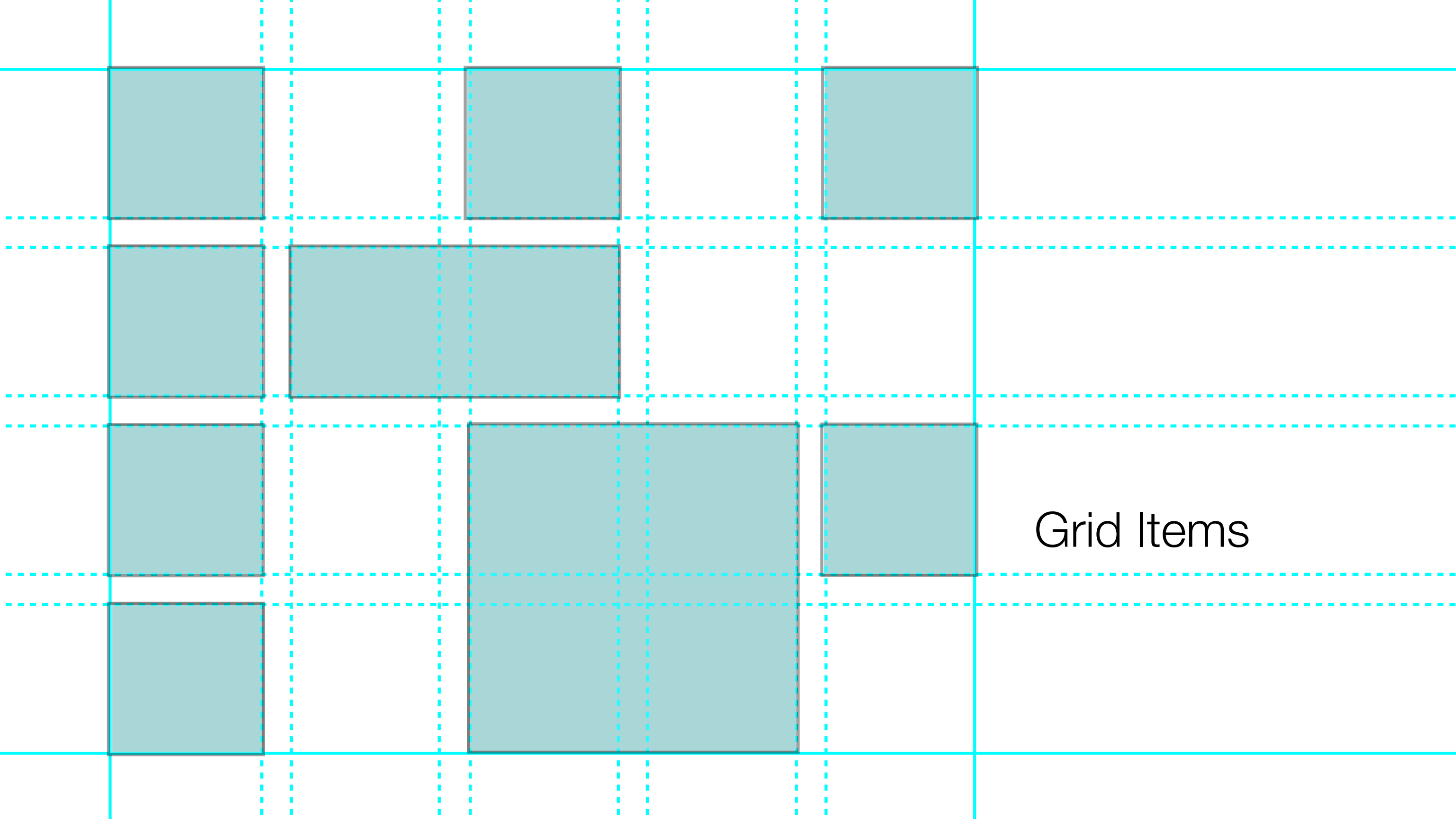
Grid Code







Grid Container



```
<body>
├── <header>...</header>
├── <main>
│   ├── <article>
│   │   ├── <h1>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <figure>
│   │   └── <p>
│   └── </article>
├── </main>
├── <aside>...</aside>
├── <footer>...</footer>
</body>
```

```
body {
    display: grid;
}
```

```
<body>
├── <header>...</header>
├── <main>
│   ├── <article>
│   │   ├── <h1>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <figure>
│   │   └── <p>
│   └── </article>
├── </main>
├── <aside>...</aside>
└── <footer>...</footer>
</body>
```

```
body {
    display: grid;
}
```

```
article {
    display: grid;
}
```



```
<body>
├── <header>...</header>
├── <main>
│   ├── <article>
│   │   ├── <h1>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <figure>
│   │   └── <p>
│   └── </article>
└── </main>
├── <aside>...</aside>
└── <footer>...</footer>
</body>
```

```
body {
    display: grid;
}

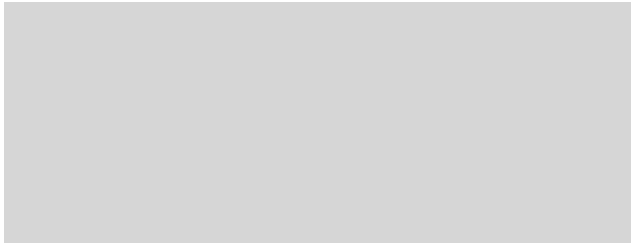
main {
    display: subgrid;
}

article {
    display: subgrid;
}
```

```
<body>
├── <header>...</header>
├── <main>
│   ├── <article>
│   │   ├── <h1>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <p>
│   │   ├── <figure>
│   │   └── <p>
│   └── </article>
├── </main>
├── <aside>...</aside>
├── <footer>...</footer>
└── </body>
```

```
body {
    display: grid;
}
```

```
article {
    display: grid;
}
```



Headline Here

This is teaser text. It comes in different lengths.



Headline Here

This is teaser text. It comes in different lengths. Here we see more content filling the box up all the way.



Headline

This is teaser text.

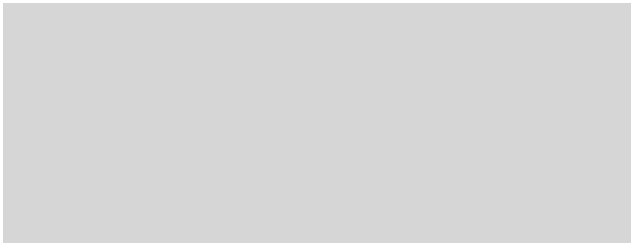


This Headline

This is teaser text. It comes in different lengths.



Headline



Headline That is Longer & Wraps

This is teaser text. It comes in different lengths.



Headline Here

This is teaser text. It comes in different lengths.



Headline Here

This is teaser text. It comes in different lengths. Here we see more content filling the box up all the way.



Headline

This is teaser text.



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This is teaser text. It comes in different lengths.



Headline



Headline That is Longer & Wraps

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This is teaser text. It comes in different lengths. Here we see more content filling the box up all the way.



Headline

This is teaser text.



This Headline

This is teaser text. It comes in different lengths.

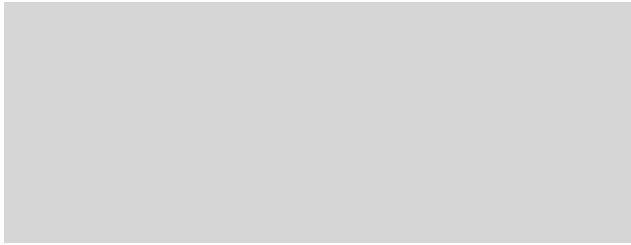


Headline



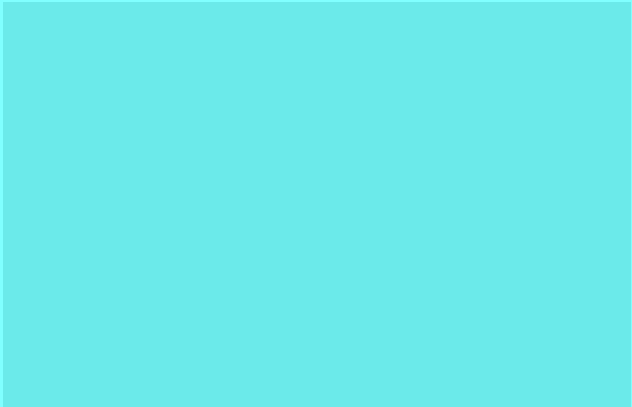
Headline That is Longer & Wraps

This is teaser text. It comes in different lengths.



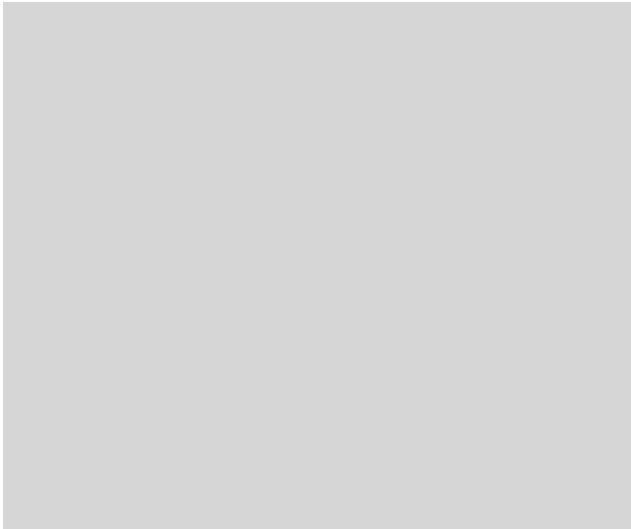
Headline Here

This is teaser text. It comes in different lengths.



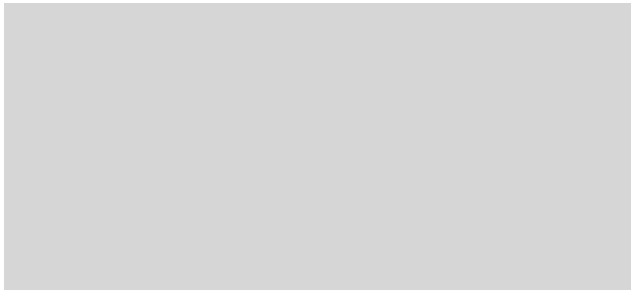
Headline Here

This is teaser text. It comes in different lengths. Here we see more content filling the box up all the way.



Headline

This is teaser text.

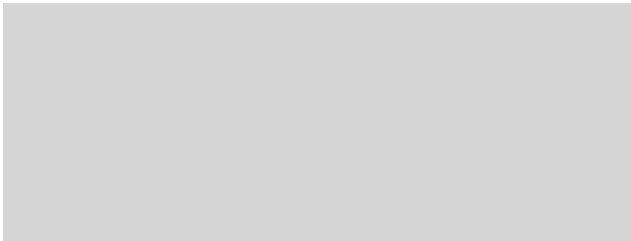


This Headline

This is teaser text. It comes in different lengths.

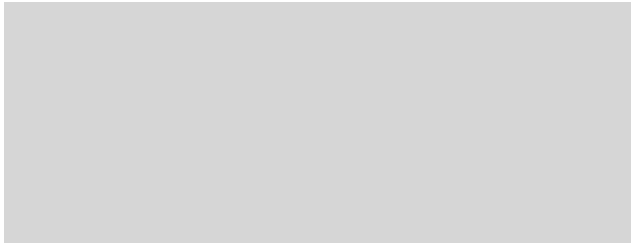


Headline



Headline That is Longer & Wraps

This is teaser text. It comes in different lengths.



Headline Here

This is teaser text. It comes in different lengths.



Headline Here

This is teaser text. It comes in different lengths. Here we see more content filling the box up all the way.



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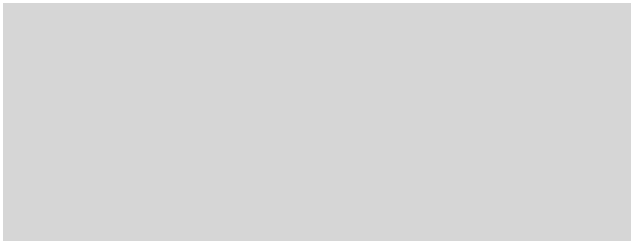


This Headline

This is teaser text. It comes in different lengths.



Headline



Headline That is Longer & Wraps

This is teaser text. It comes in different lengths.

codepen.io/jensimmons/pen/LyrNqJ?editors=1100

An Example of Nesting Flexbox inside CSS Grid

A PEN BY Jen Simmons PRO

Save

Fork

Settings

Change View

HTML

```
1 <main class="deals">
2   <article class="sale-item">
3     <h1>Computer Starter Kit</h1>
4     <p>This is the best computer money can buy, if you don't have
      much money.</p>
5     <ul>
6       <li>Computer</li>
7       <li>Monitor</li>
8       <li>Keyboard</li>
9       <li>Mouse</li>
10    </ul>
11    
12    <button>BUY NOW</button>
```

CSS

```
1 .deals {
2   display: grid;
3   grid-template-columns: repeat(auto-fit, minmax(320px, 1fr));
4   grid-gap: 1rem;
5   font-family: Avenir, Roboto, Helvetica, san-serif;
6   font-size: 80%;
7 }
8 .sale-item {
9   display: flex;
10  flex-flow: column;
11  border: 1px solid black;
12  border-radius: 1rem;
13  padding: 2rem;
14 }
15 .sale-item > h1 {
```



Computer Starter Kit

This is the best computer money can buy, if you don't have much money.



Printer

Only capable of printing ASCII art.

• Paper and ink not included.



Printer 2

A la 1989.

Mouse

A computer mouse is a pointing device (hand control) that detects two-dimensional motion relative to a surface. This motion is typically translated into the motion of a pointer on a display, which allows a smooth control of the graphical user interface. Clickity Click!

Console

Assets

Comments

Delete

Keyboard

Last saved less than a minute ago

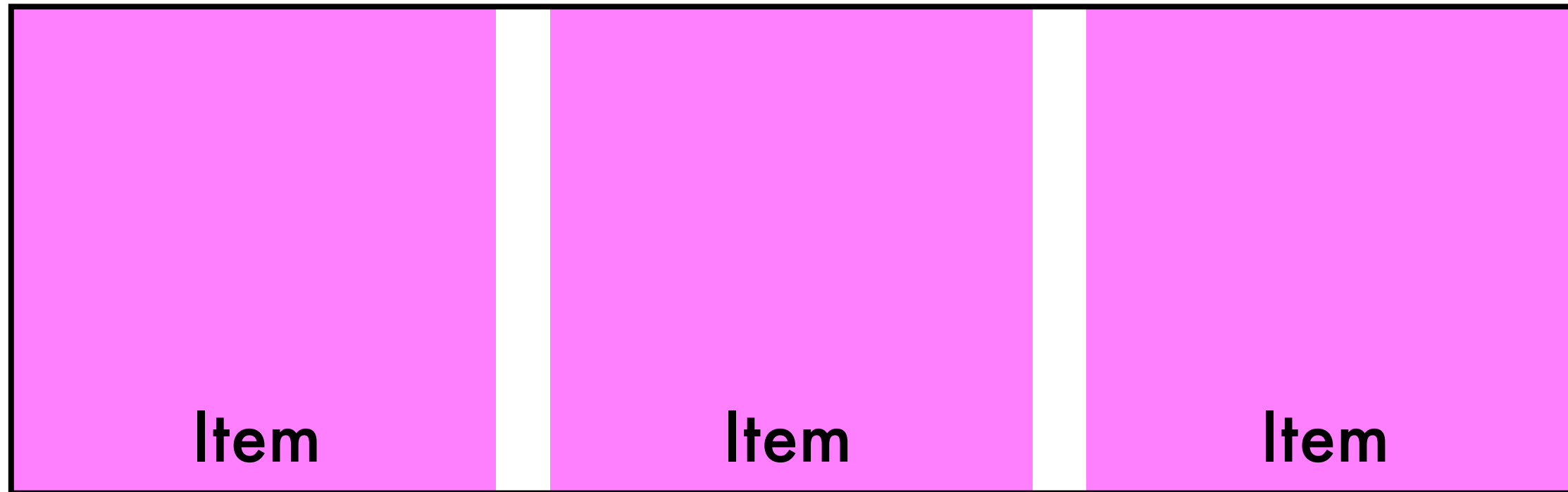
Share

Export

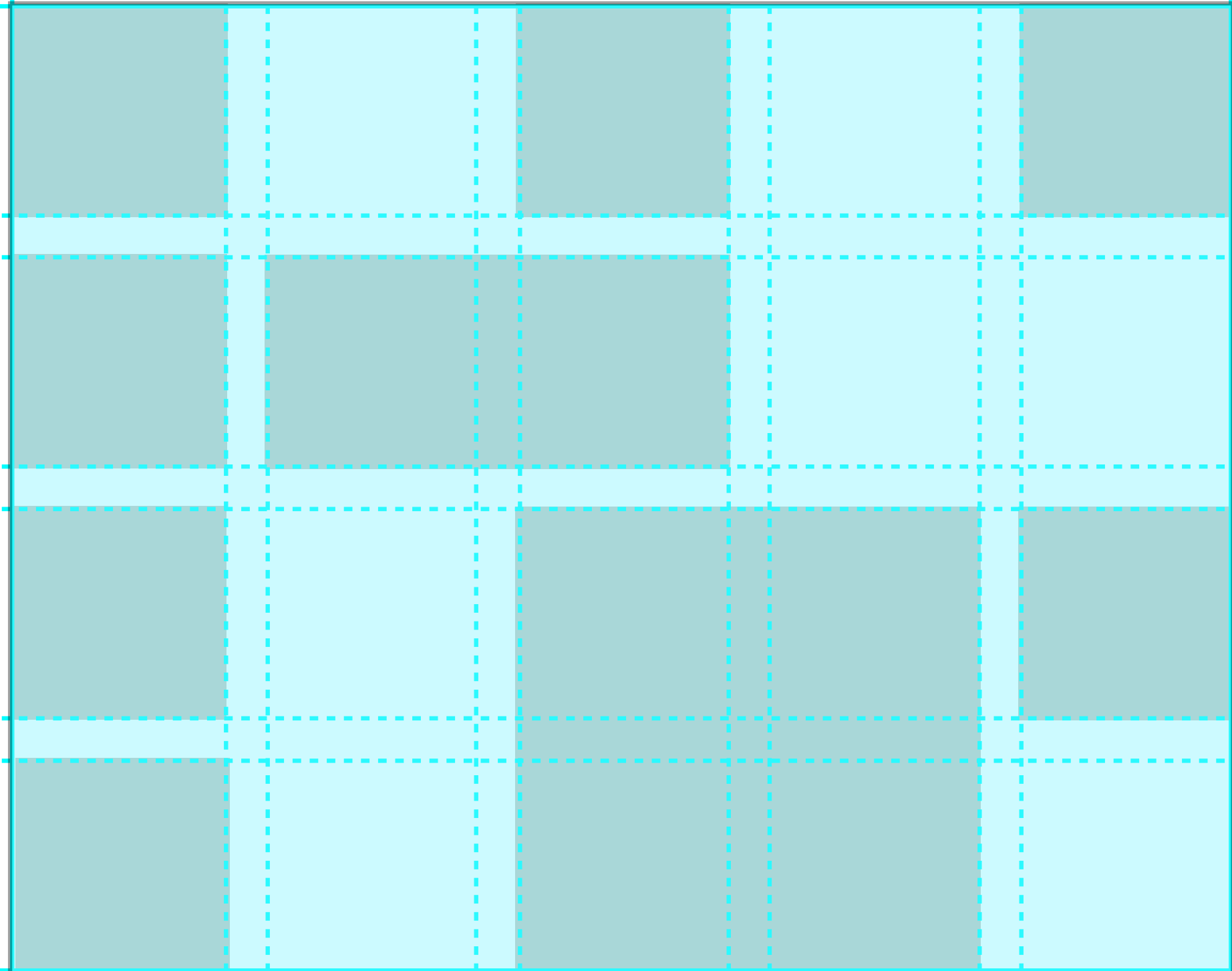
Embed

labs.jensimmons.com

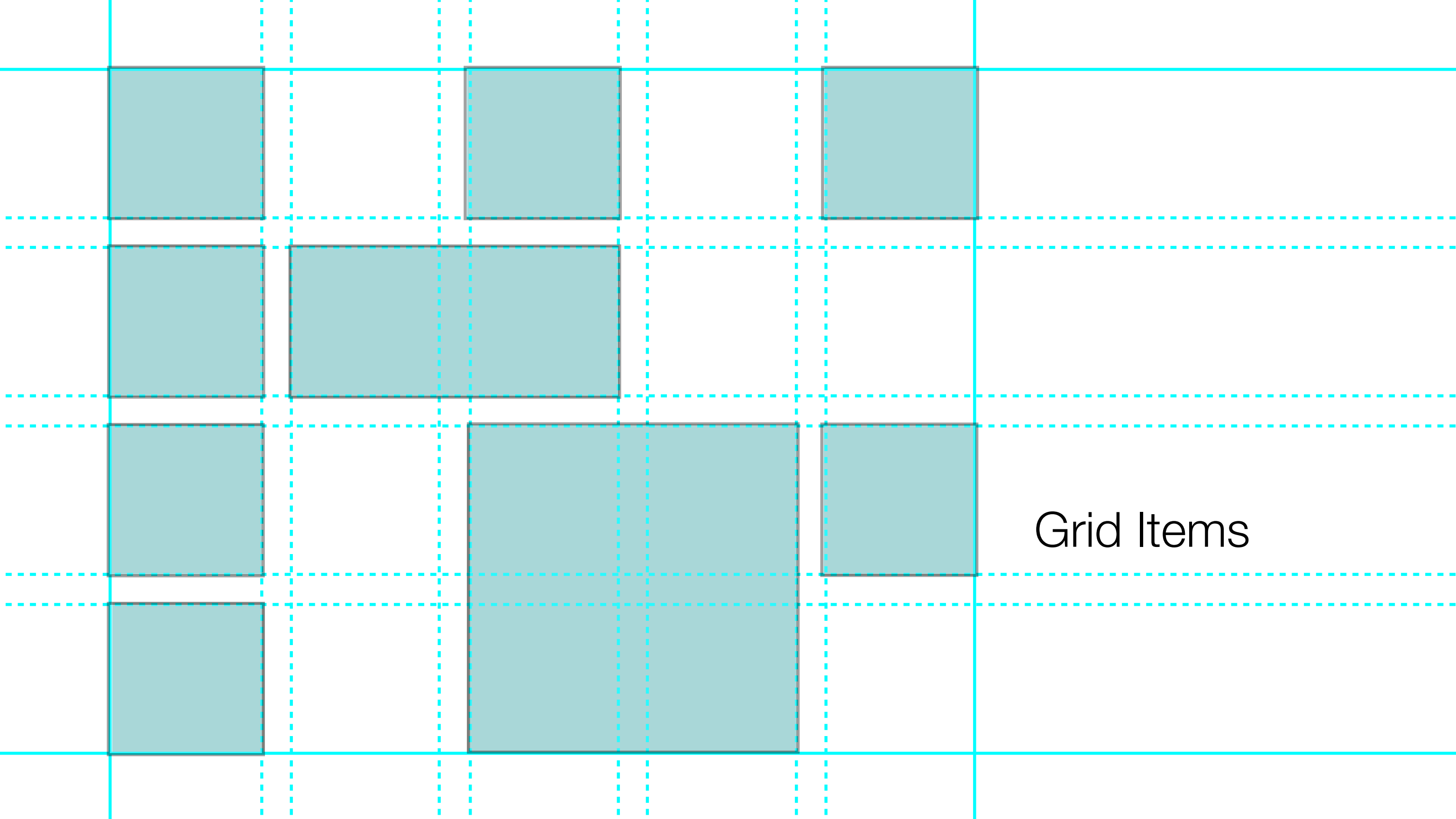
Container

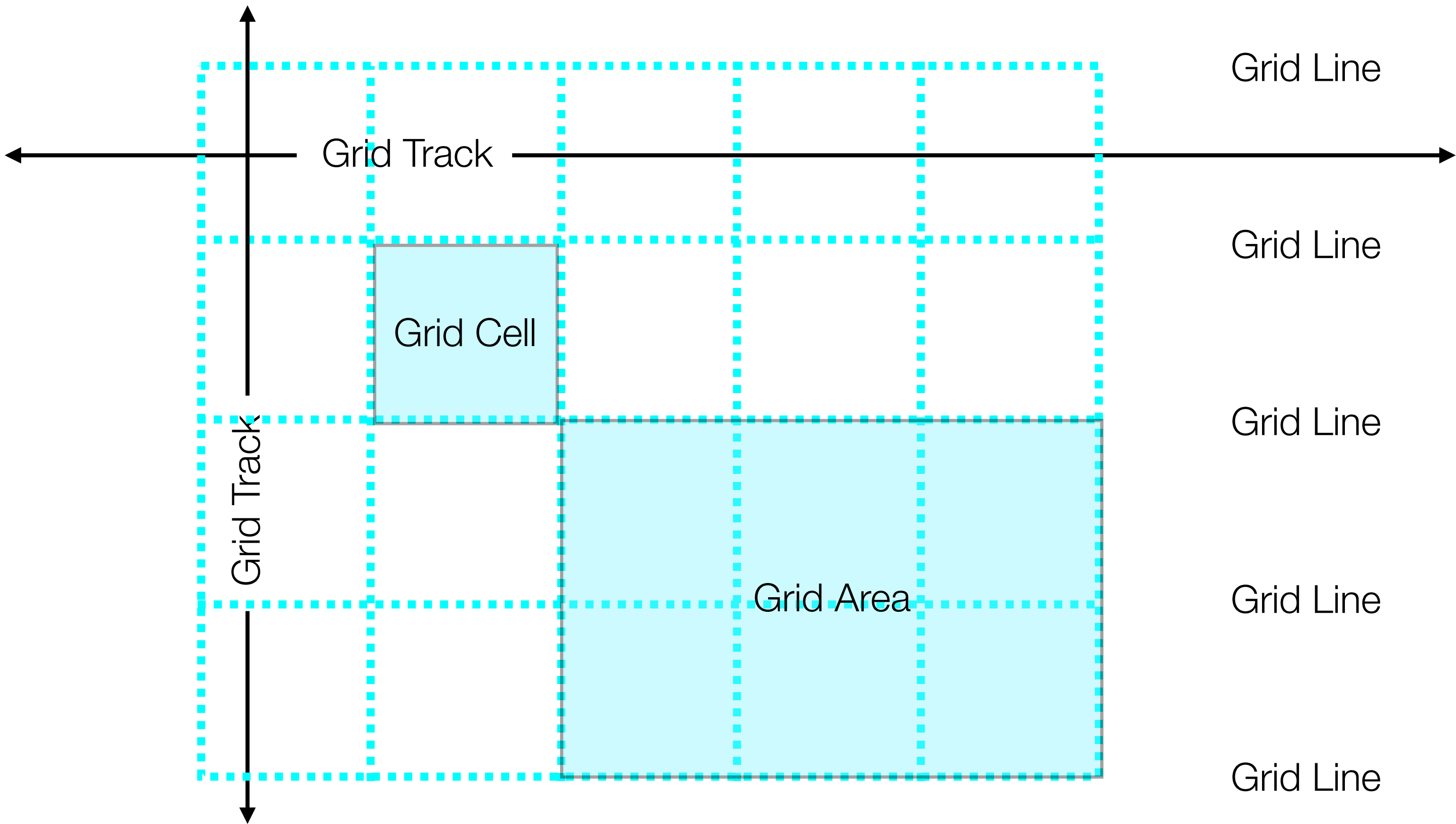


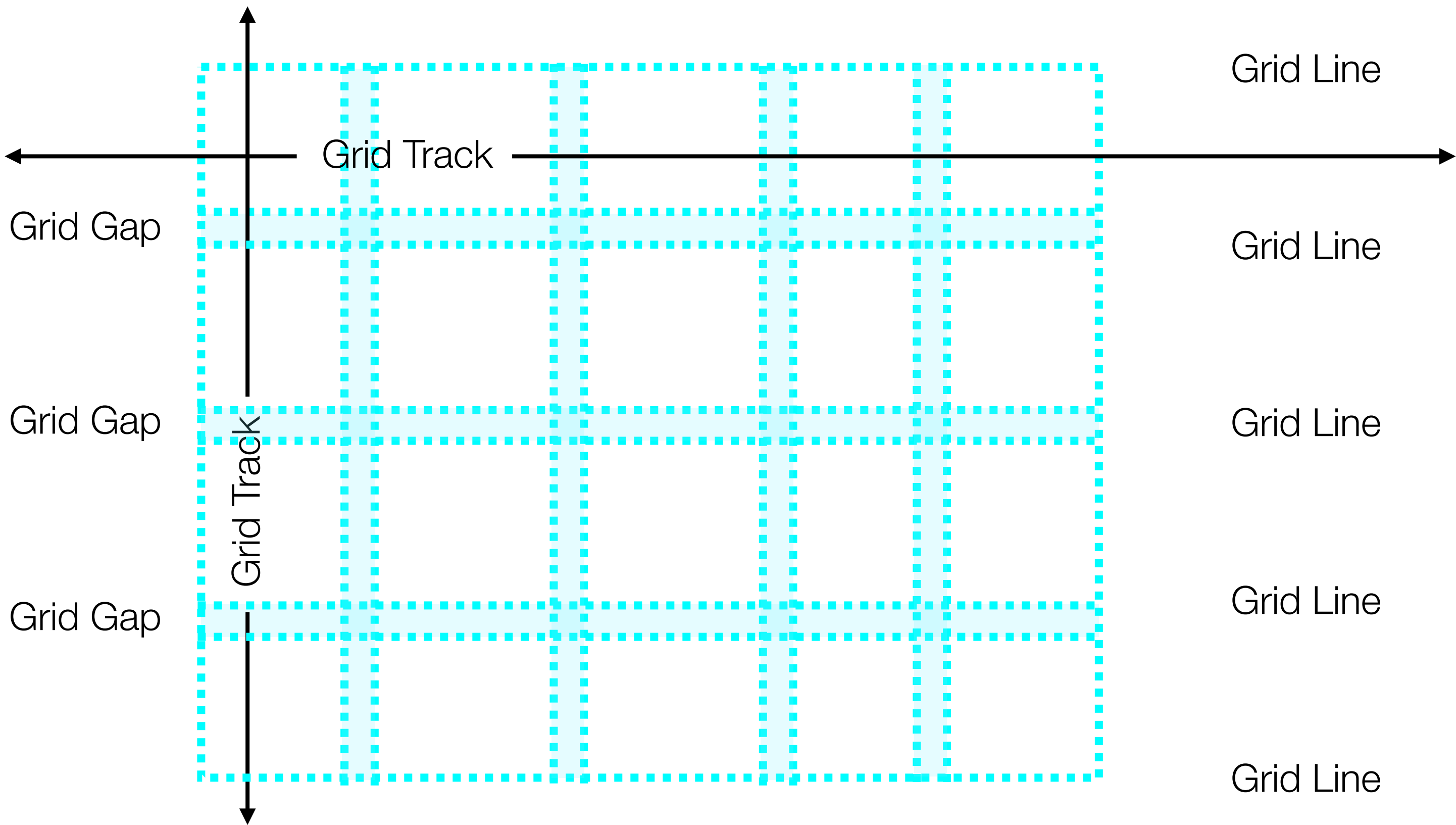
Terminology



Grid Container







4 Examples



labs.jensimmons.com/2017/01-003.html

variations on a grid

fixed



Inspector panel showing the HTML structure and CSS rules for the grid container.

HTML Structure:

```
<ul class="grid-container">
  <li>
    
  </li>
  <li>
    
  </li>
  <li>...</li>
  <li>...</li>
  <li>...</li>
  <li>...</li>
  <li>...</li>
</ul>
```

CSS Rules:

```
.fixed ul {
  display: grid;
  grid-template-columns: repeat(4, 100px);
  grid-gap: 4px;
  width: calc(400px + 12px + 4.4rem);
}
```

```
<ul>
```

```
  <li></li>
```

```
  <li></li>
```

```
  <li></li>
```

```
  <li></li>
```

```
  <li></li>
```

```
  <li></li>
```

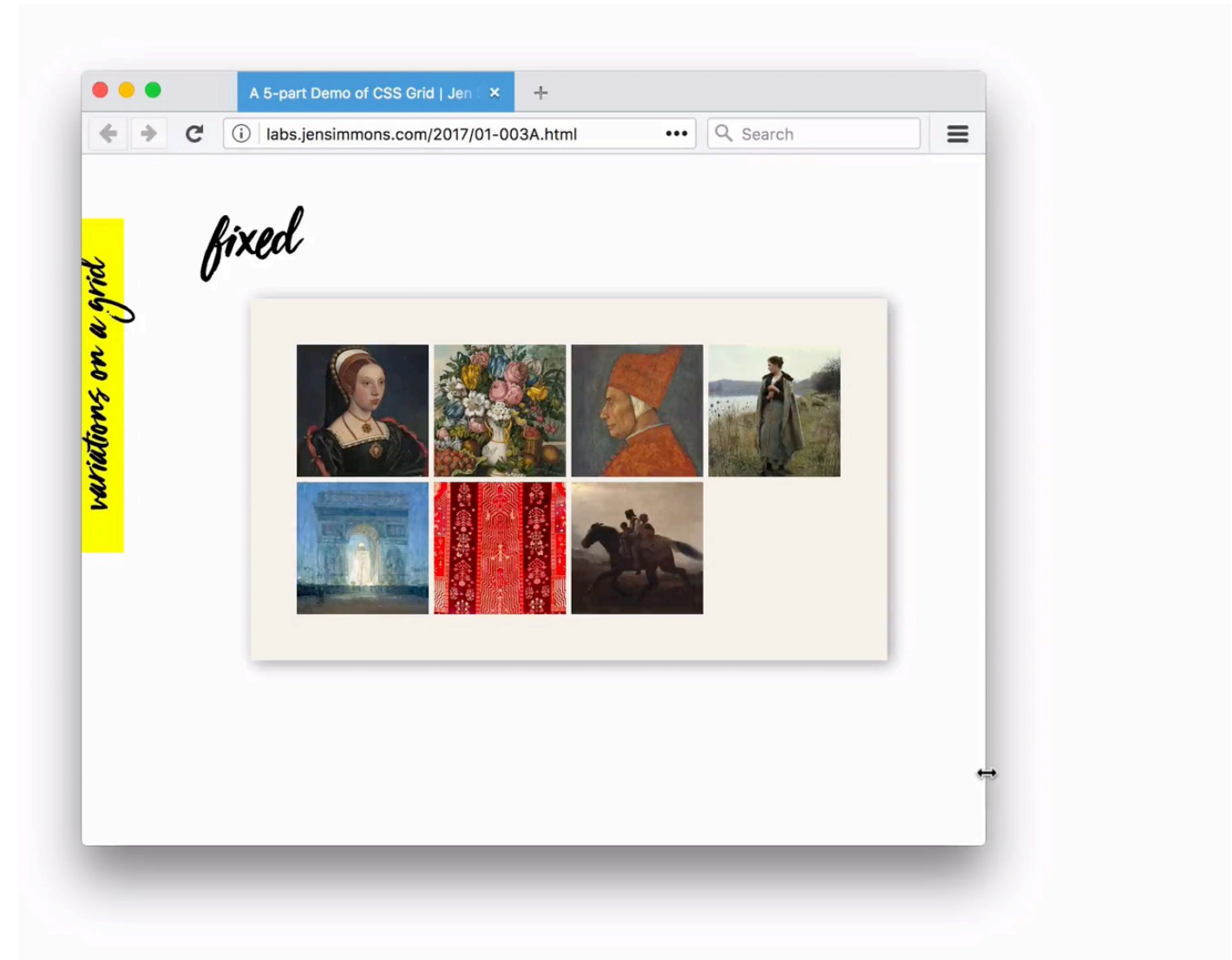
```
  <li></li>
```

```
</ul>
```

```
ul {  
  display: grid;  
  grid-template-columns: repeat(4, 100px);  
  grid-gap: 4px;  
}  
li {  
  // nothing  
}
```



```
ul {  
  display: grid;  
  grid-template-columns:  
    repeat(4, 100px);  
  grid-gap: 4px;  
}  
  
li {  
  // nothing  
}
```



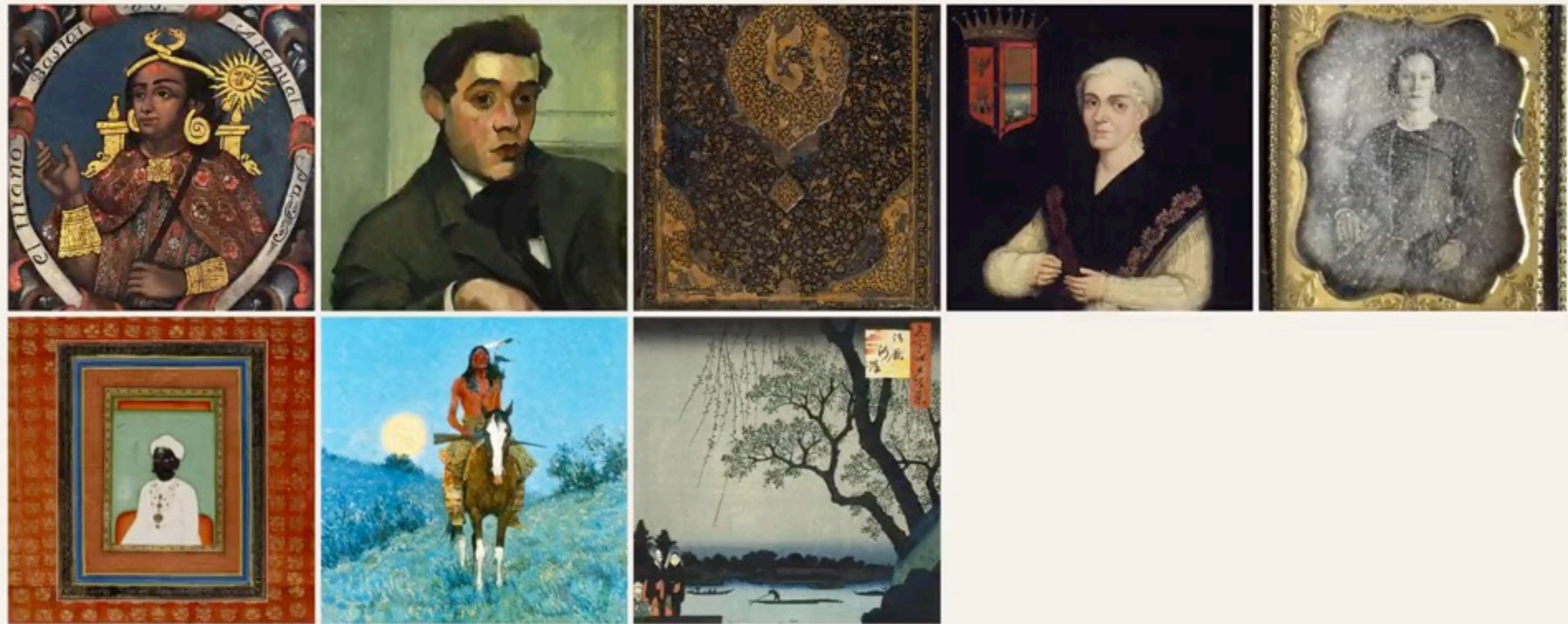
```
ul {  
  display: grid;  
  grid-template-columns: repeat(4, 100px);  
  grid-gap: 4px;  
}
```

/ or */*

```
ul {  
  display: grid;  
  grid-template-columns: 100px 100px 100px 100px;  
  grid-gap: 4px;  
}
```

variations on a grid

fluid



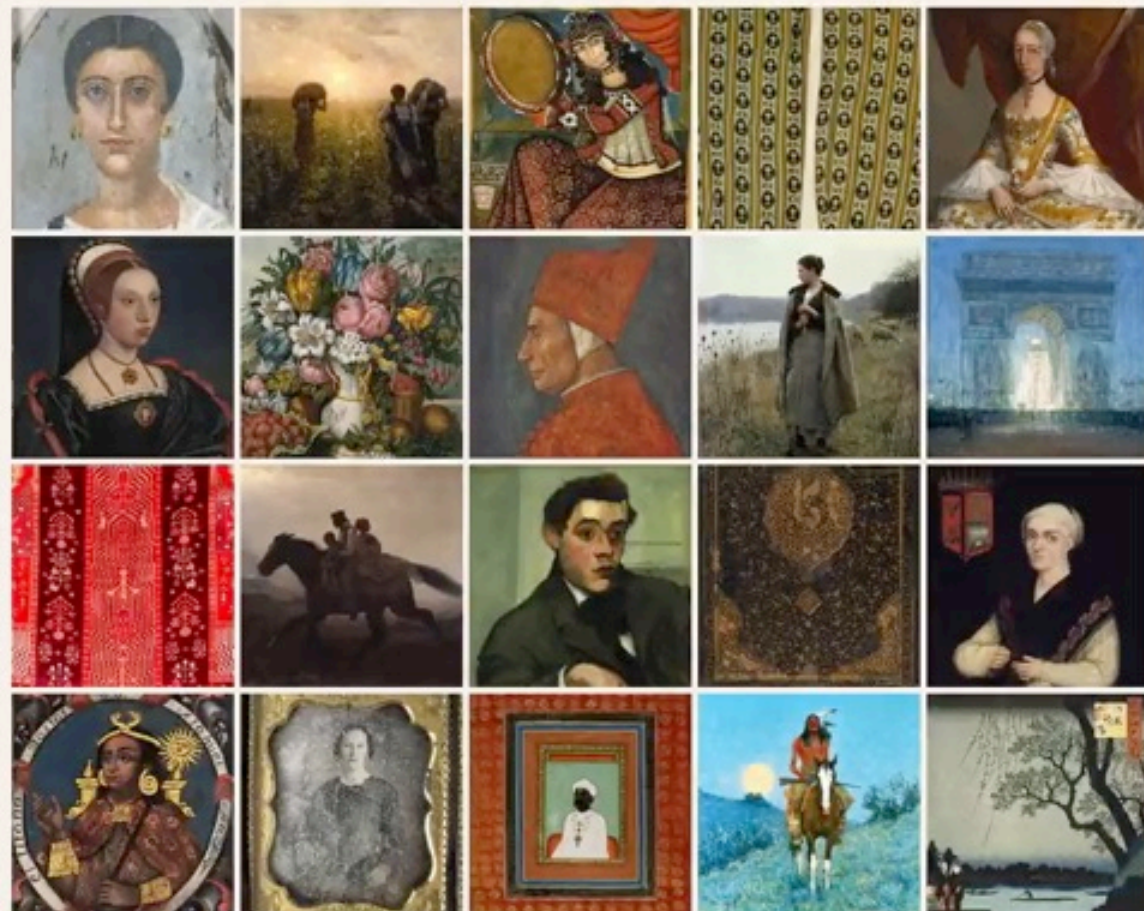
```
ul {  
  display: grid;  
  grid-template-columns: repeat(5, 1fr);  
  grid-gap: 0.25em;  
}
```

/ or */*

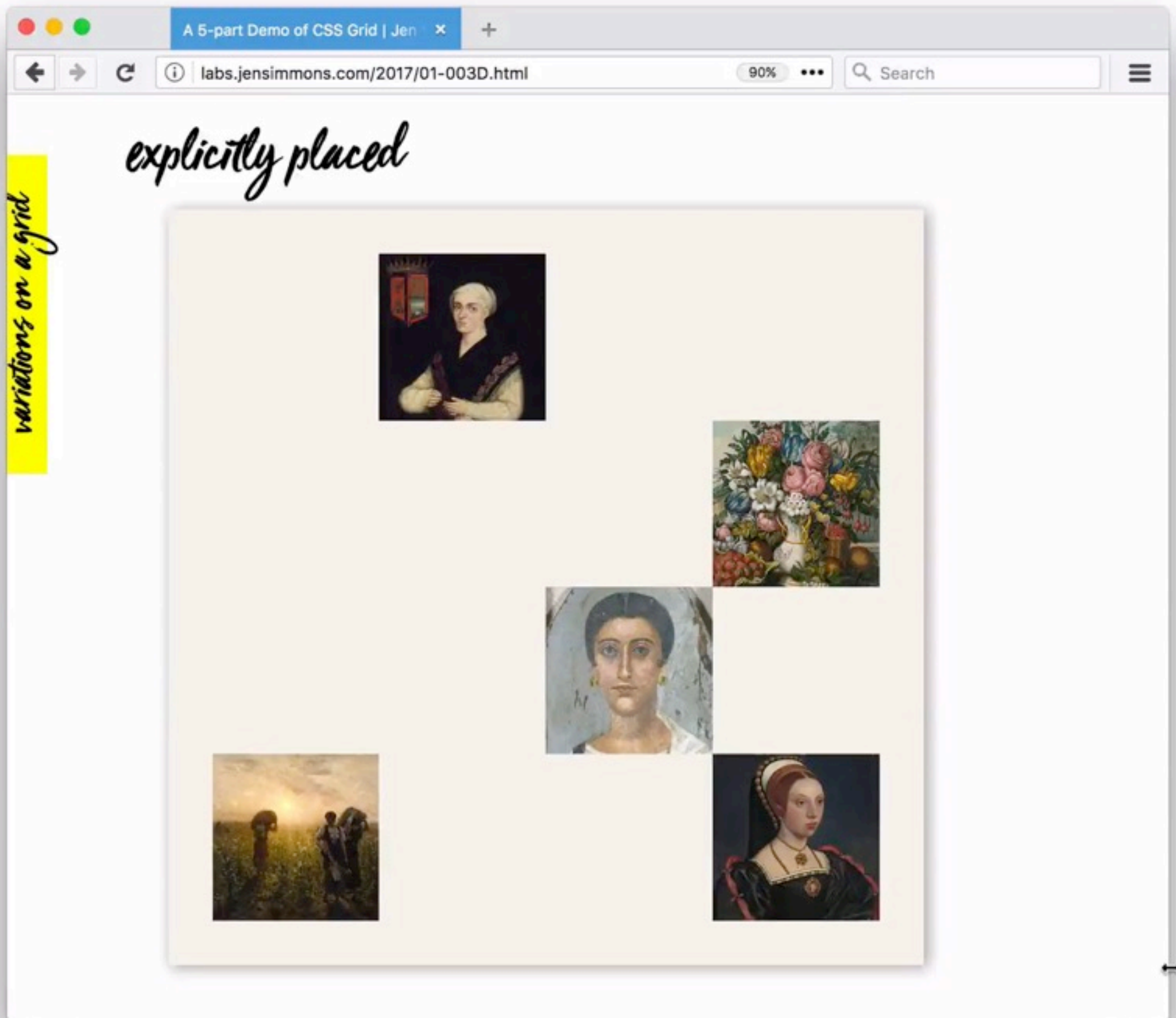
```
ul {  
  display: grid;  
  grid-template-columns: 1fr 1fr 1fr 1fr 1fr;  
  grid-gap: 0.25em;  
}
```

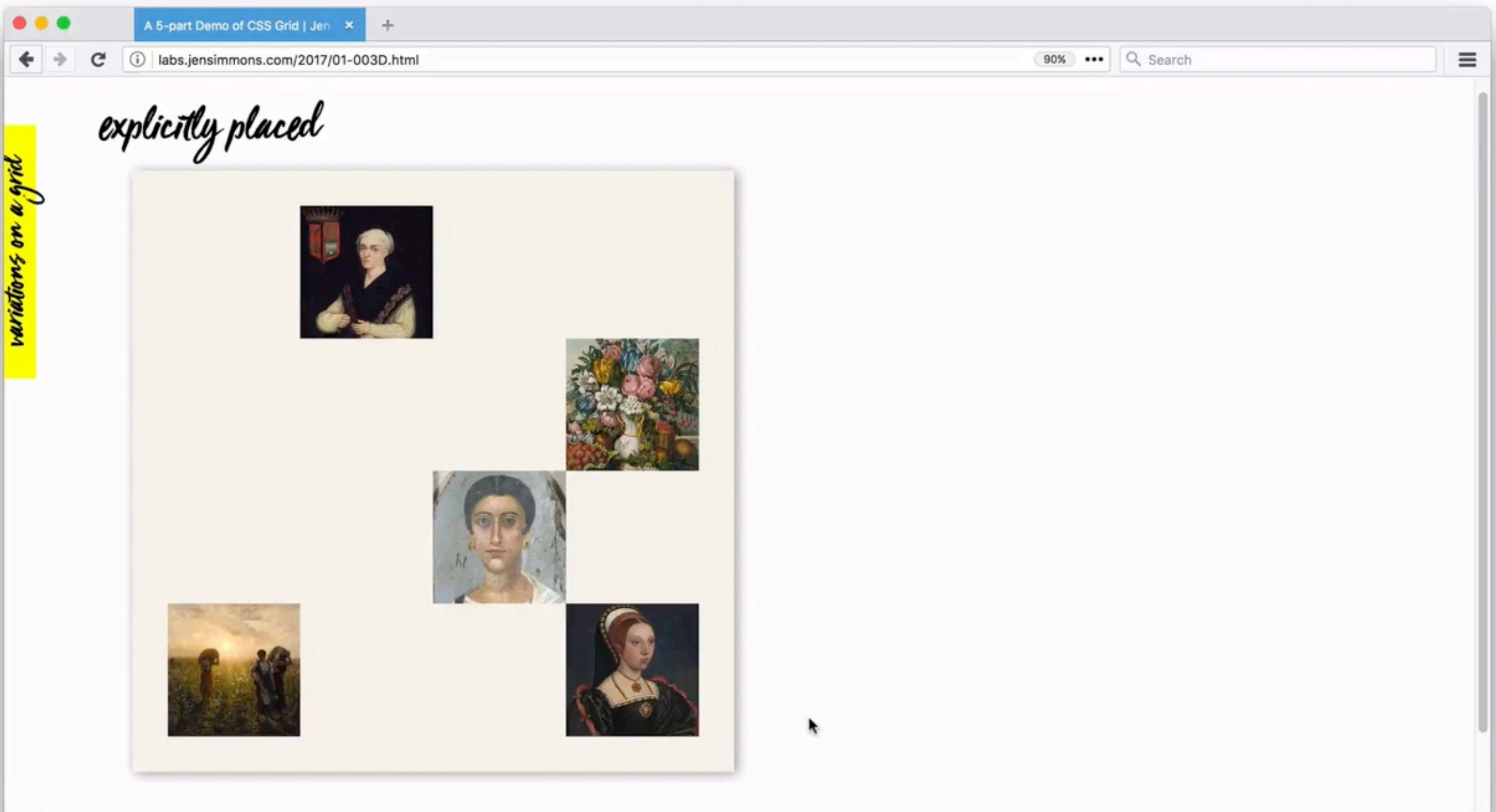

variations on a grid

responsive



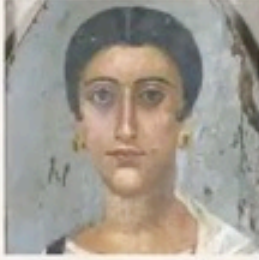
```
ul {  
  display: grid;  
  grid-template-columns: repeat(auto-fit, minmax(120px, 1fr));  
  grid-gap: 0.25rem;  
}
```



variations on a grid

explicitly placed



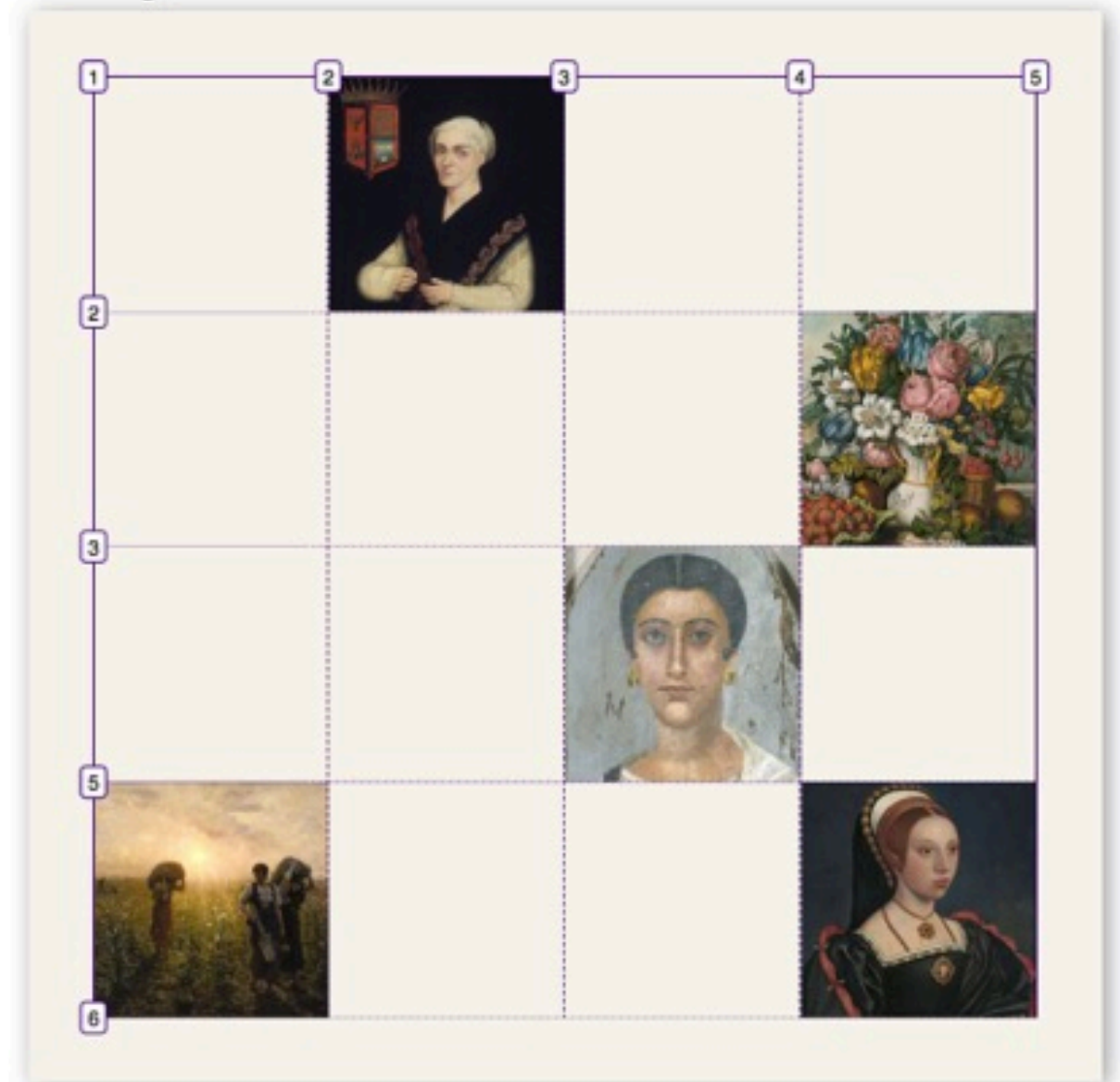


nightly.mozilla.org

```
ul {  
  display: grid;  
  grid-template-columns:  
    repeat(4, 1fr);  
}
```

variations on a grid

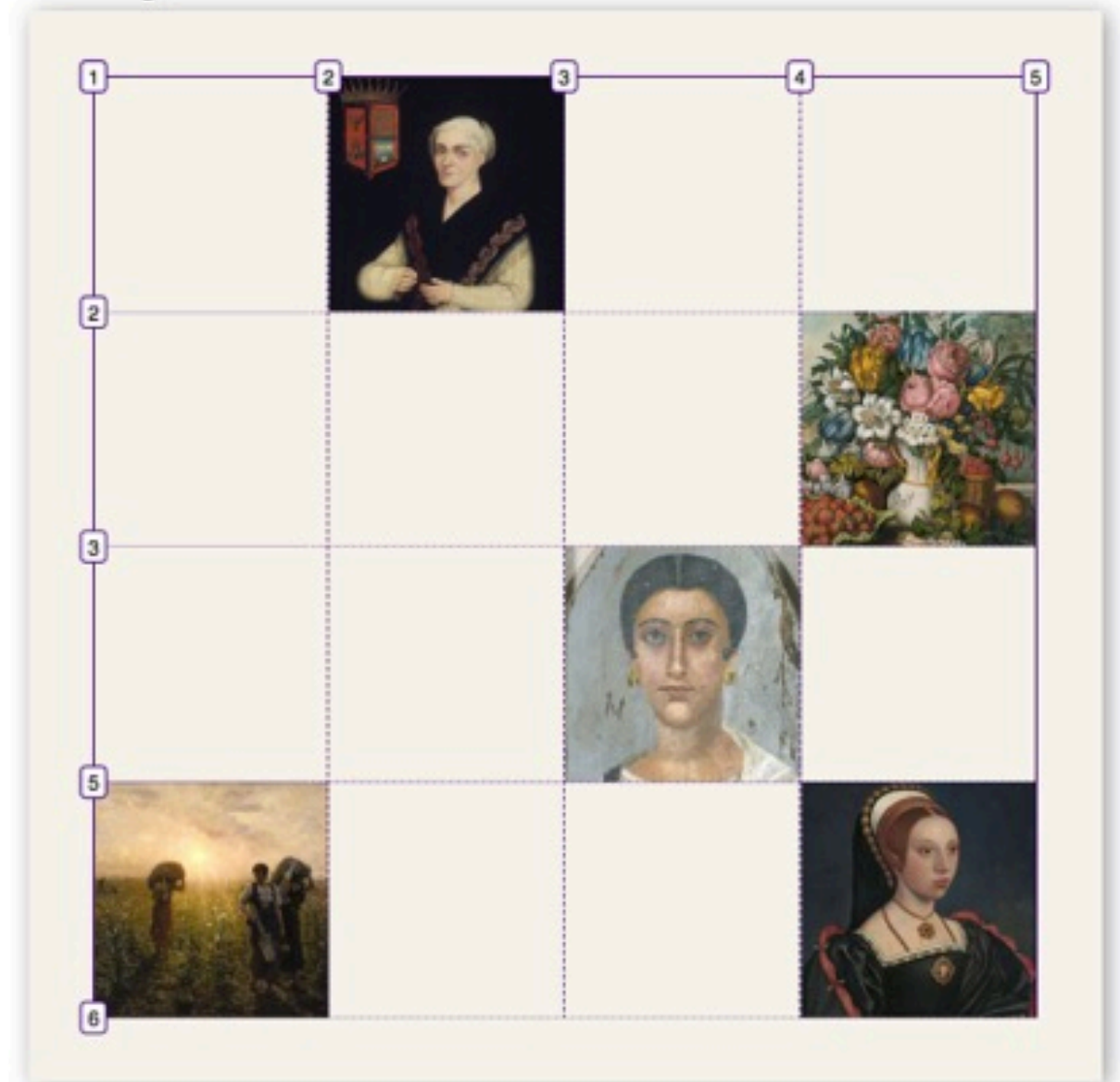
explicitly placed



```
li:nth-child(1) {  
  grid-column: 2 / 3;  
  grid-row: 1 / 2;  
}
```

variations on a grid

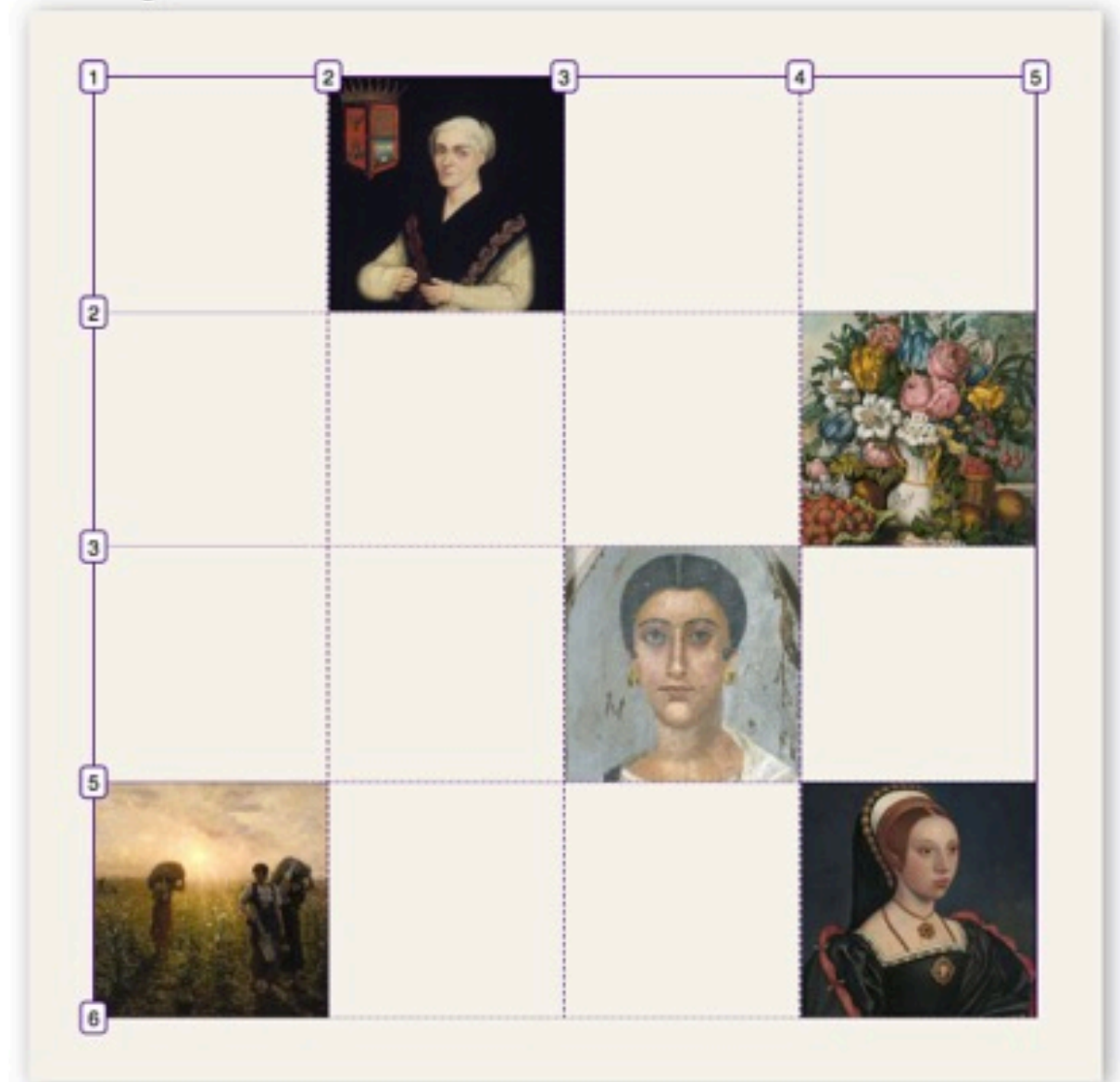
explicitly placed




```
li:nth-child(1) {  
  grid-column: 2 / 3;  
  grid-row: 1 / 2;  
}  
li:nth-child(2) {  
  grid-column: 4 / 5;  
  grid-row: 2 / 3;  
}  
li:nth-child(3) {  
  grid-column: 3 / 4;  
  grid-row: 3 / 4;  
}  
li:nth-child(4) {...}  
li:nth-child(5) {...}
```

variations on a grid

explicitly placed



'fr' unit

```
.grid-container {  
  display: grid;  
  grid-template-columns: 1fr 1fr 1fr;  
}
```

some other syntax options (each with different results)

```
grid-template-columns: 1fr 5fr 2.5fr;  
grid-template-columns: 8em 1fr 300px;  
grid-template-columns: 1fr 1fr 2fr 3fr 5fr 8fr 13fr 21fr 34fr;  
grid-template-columns: repeat(7, 1fr);  
grid-template-columns: repeat(3, 200px 1fr 25%);  
grid-template-columns: repeat(auto-fill, 10rem);  
grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));  
grid-template-columns: 4rem 2fr repeat(5, 1fr) 300px;
```

px	pixels	60px
em	(or rem)	10em
%	percents	20%

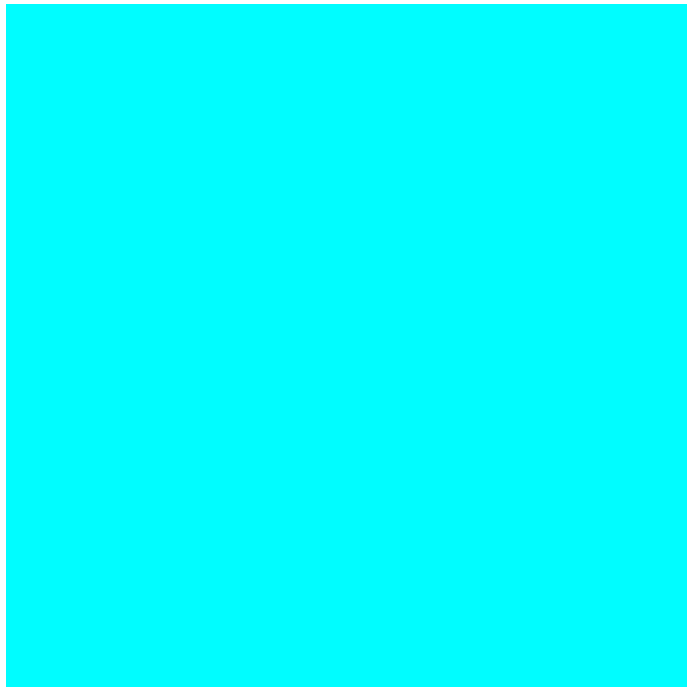
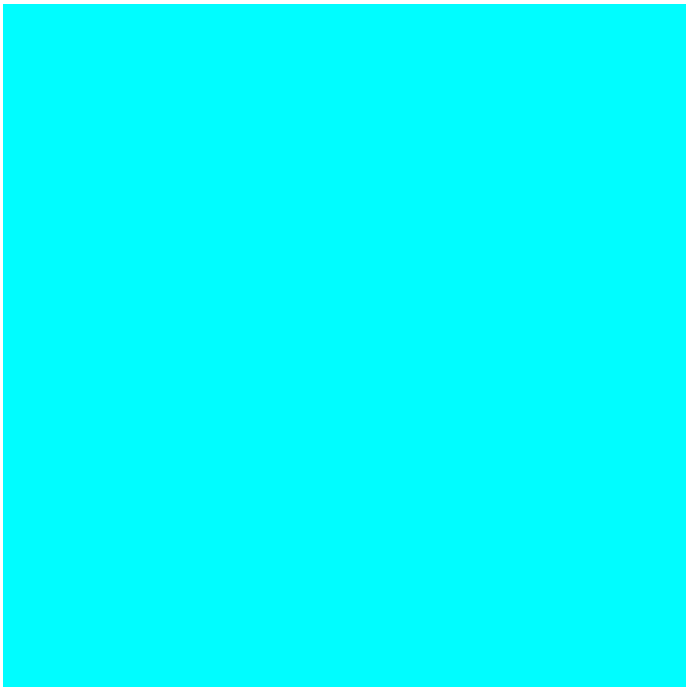
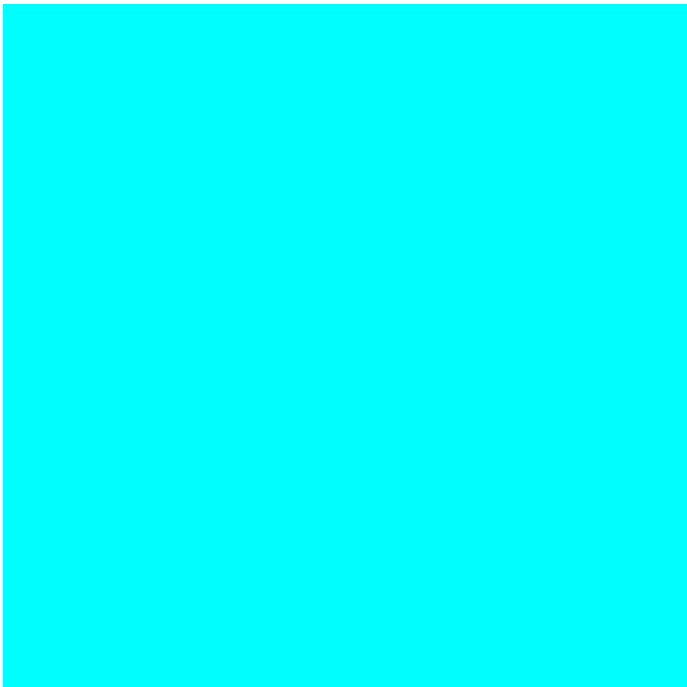
min-content

max-content

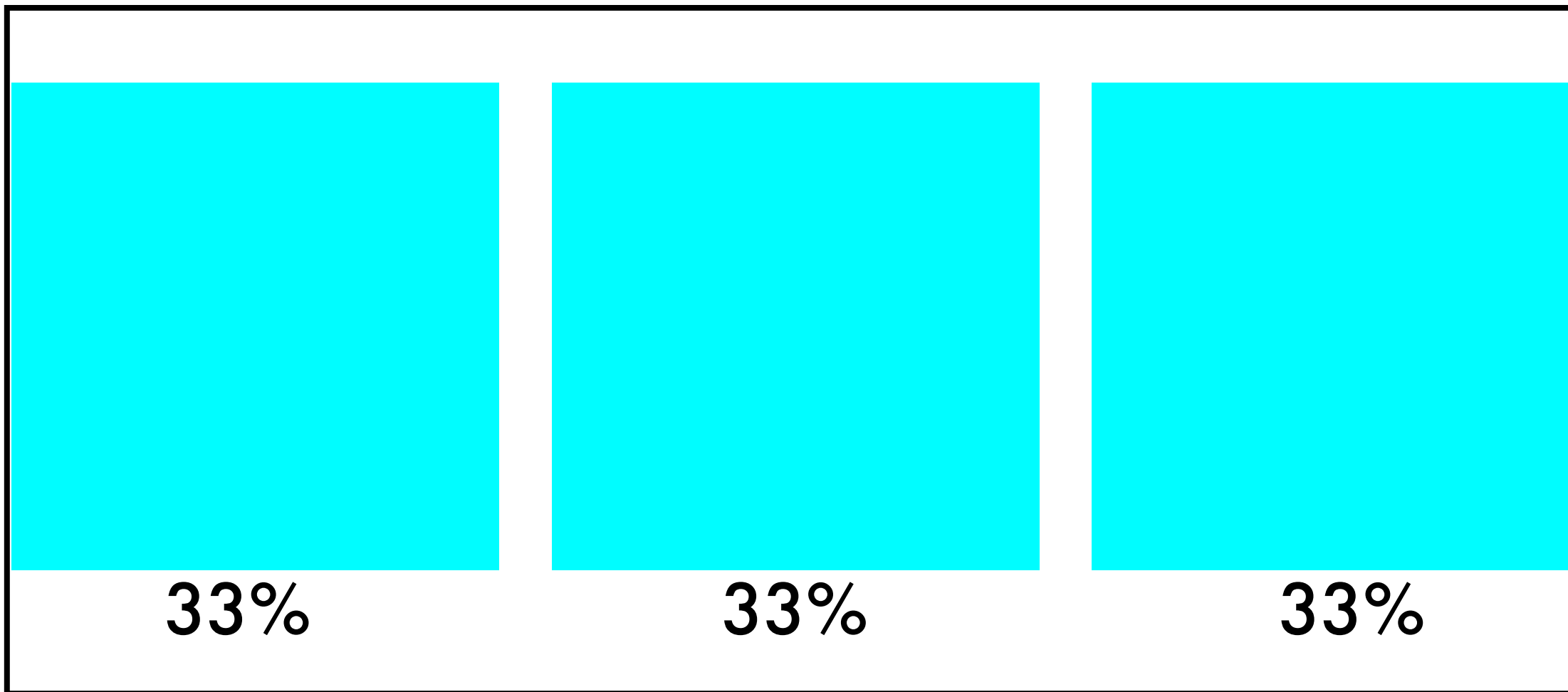
fr

minmax()

```
fr unit = "fraction"
```

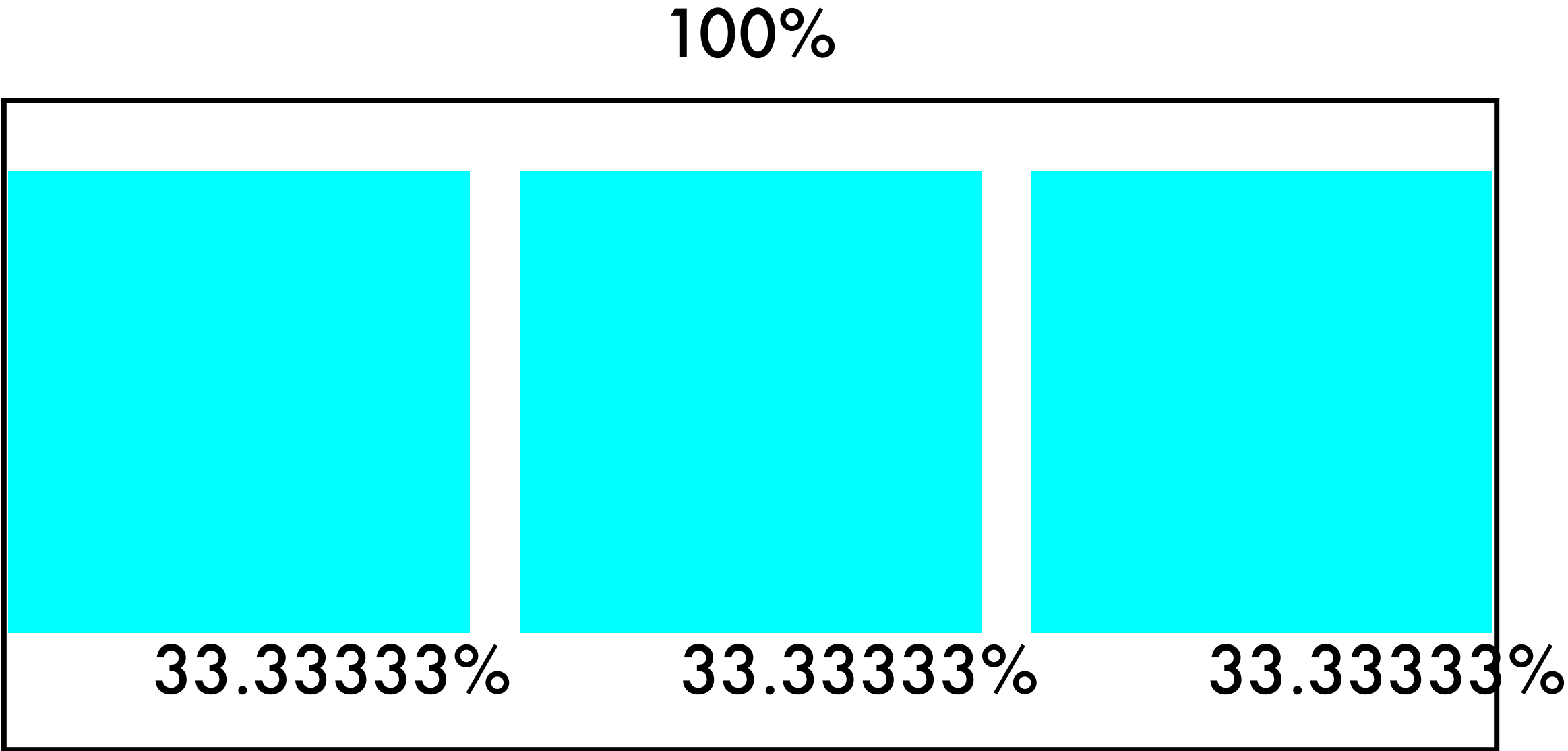
100%



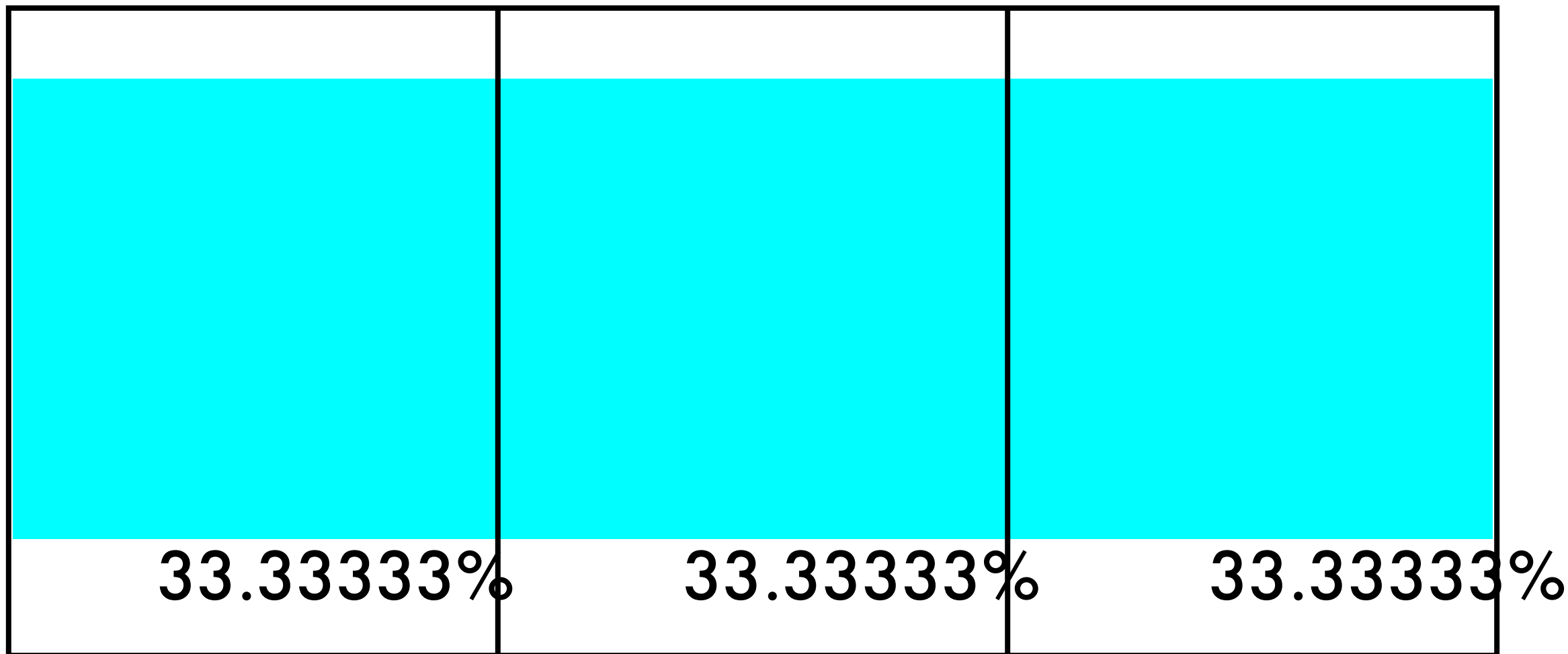
33%

33%

33%



100%



100%

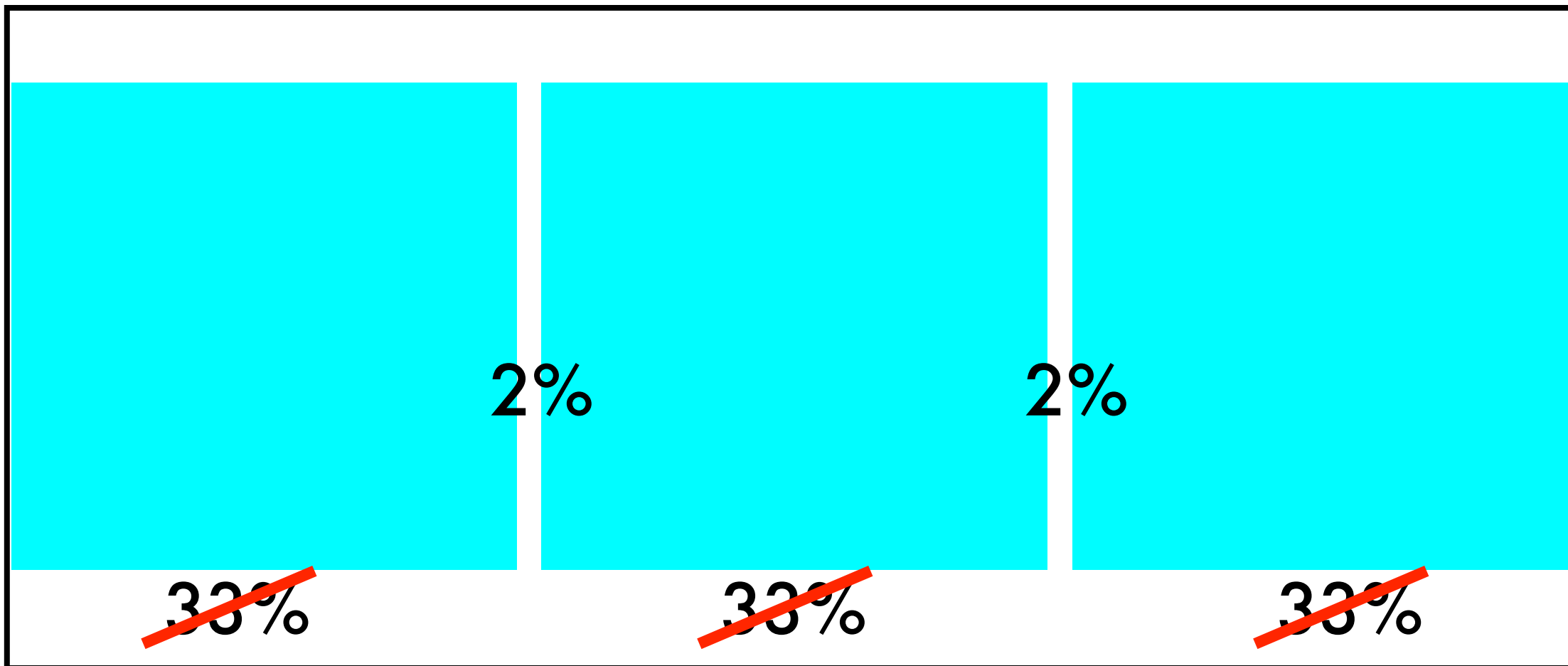
2%

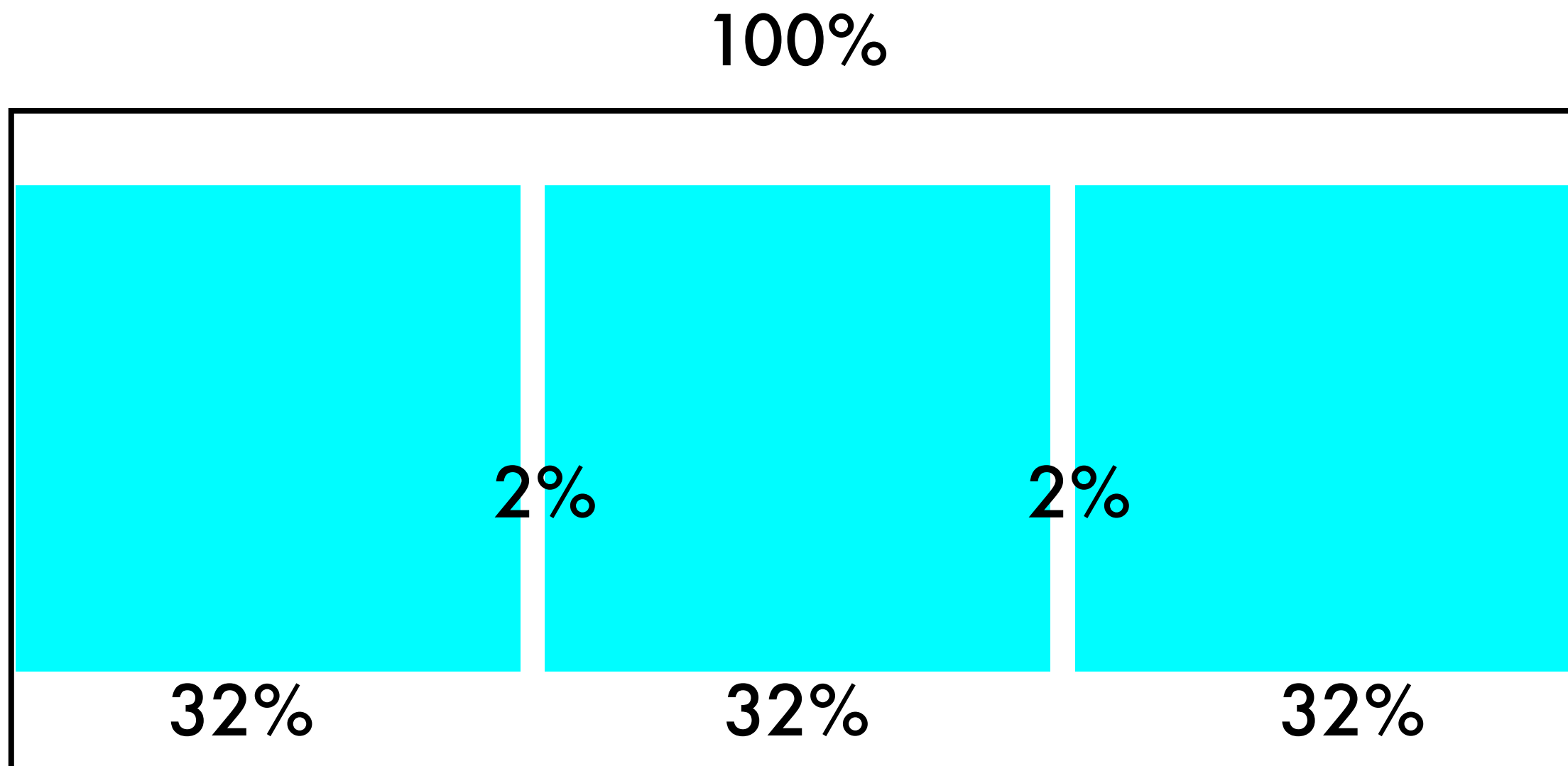
2%

~~33%~~

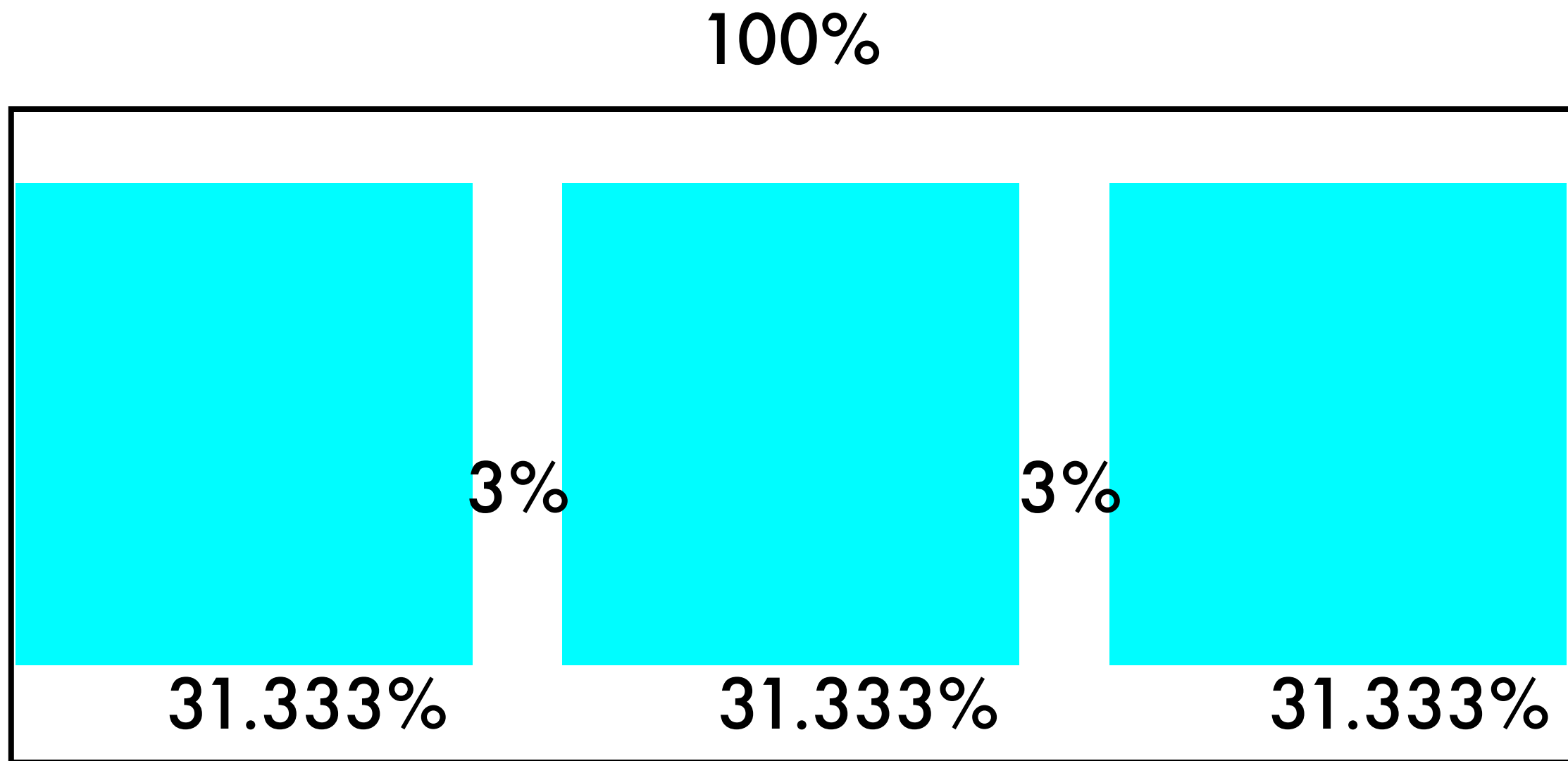
~~33%~~

~~33%~~

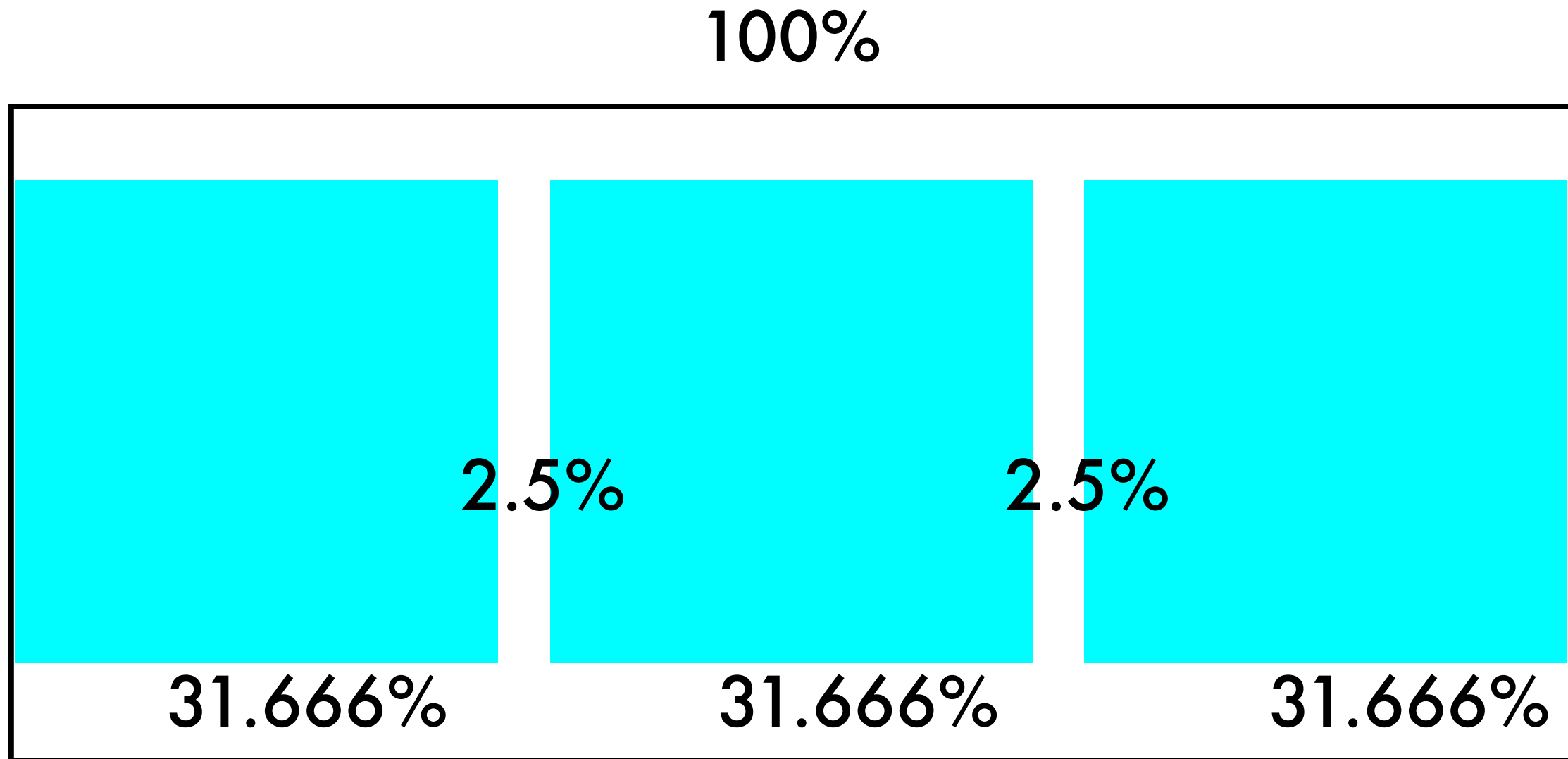




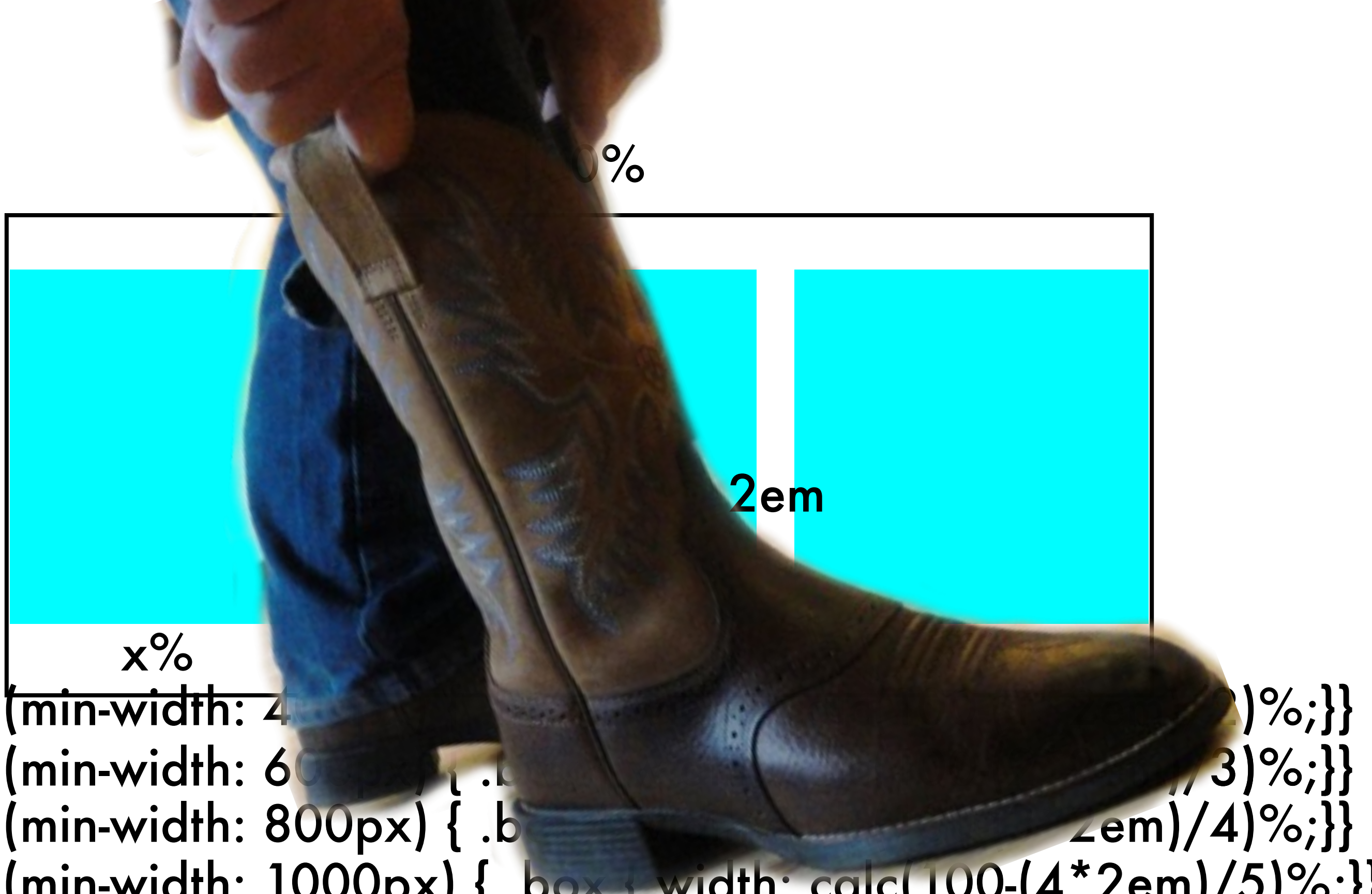
$$\frac{100\% - 4\%}{3} = \frac{96\%}{3} = 32\%$$



$$\frac{100\% - 6\%}{3} = \frac{94\%}{3} = 31.3333\%$$



$$\frac{100\% - 5\%}{3} = \frac{95\%}{3} = 31.666666666666666\%$$



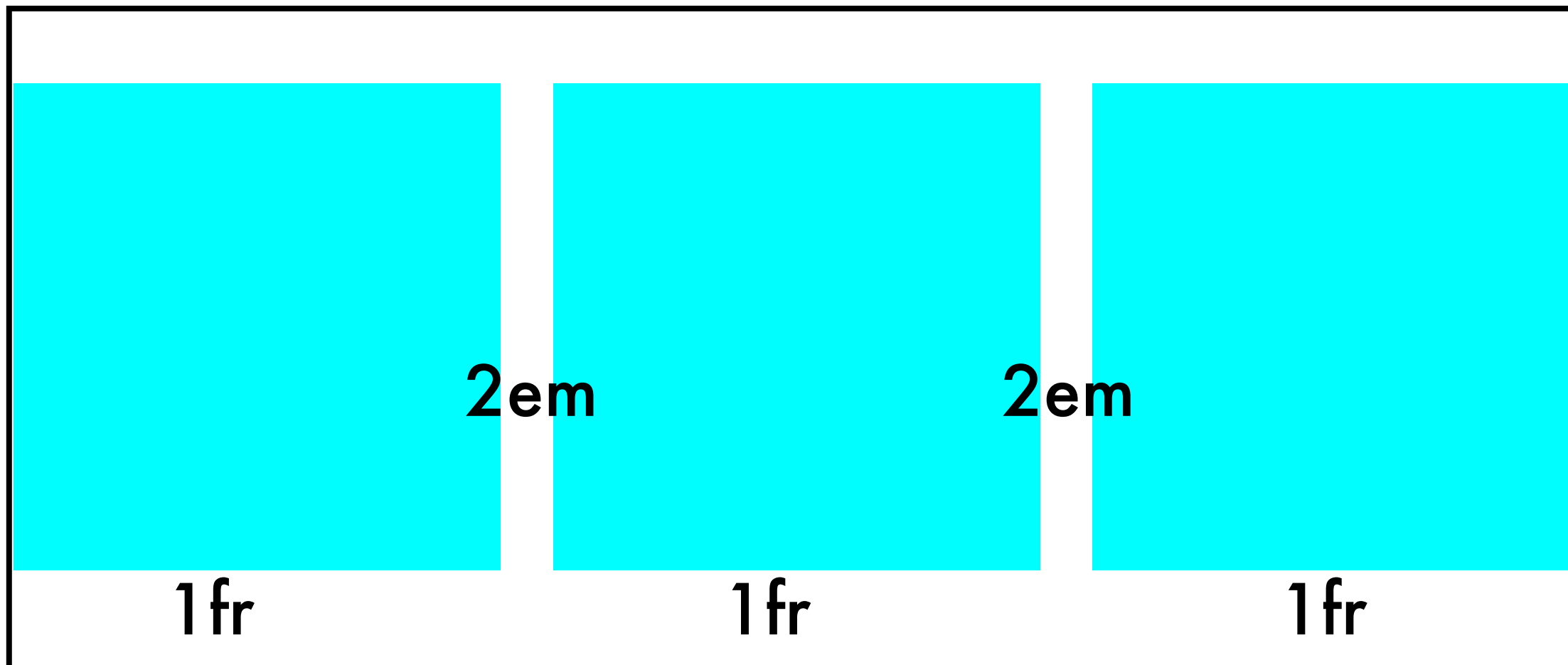
0%

2em

x%

```
@media (min-width: 400px) { .b { width: calc(100% - (4 * 2em) / 5); }}  
@media (min-width: 600px) { .b { width: calc(100% - (4 * 2em) / 3); }}  
@media (min-width: 800px) { .b { width: calc(100% - (4 * 2em) / 4); }}  
@media (min-width: 1000px) { .b { width: calc(100% - (4 * 2em) / 5); }}
```

100%



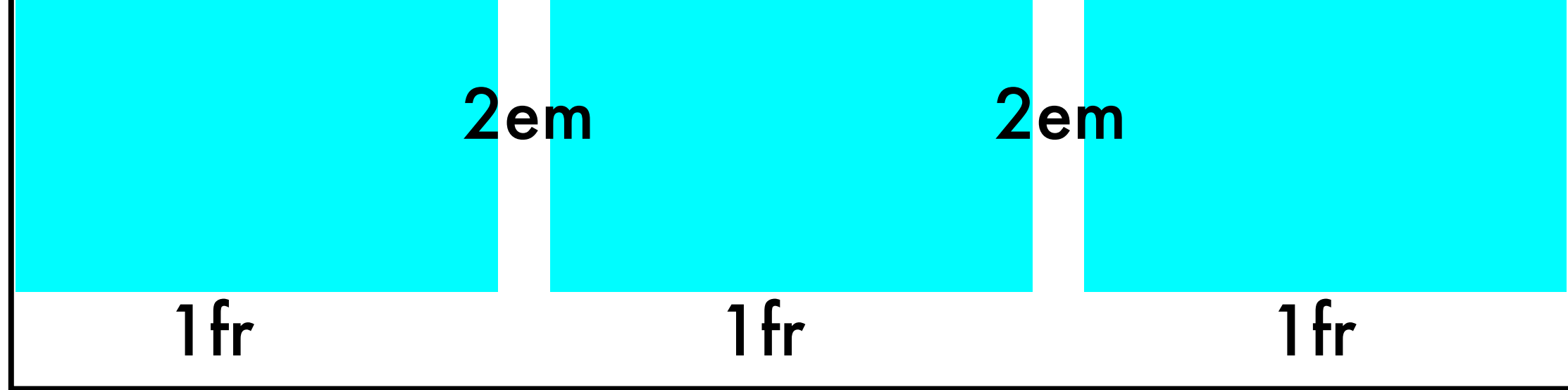
1fr

2em

1fr

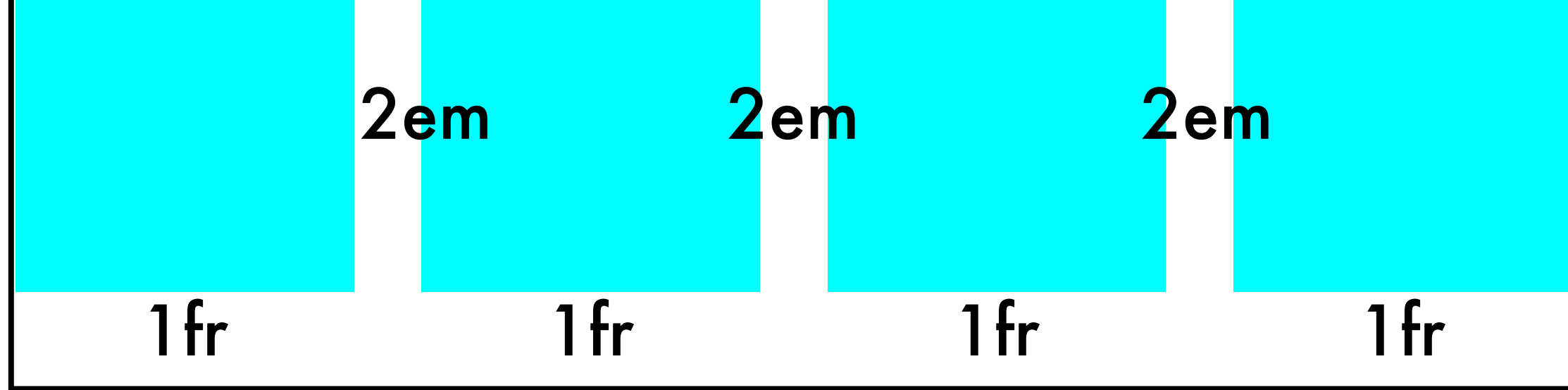
2em

1fr



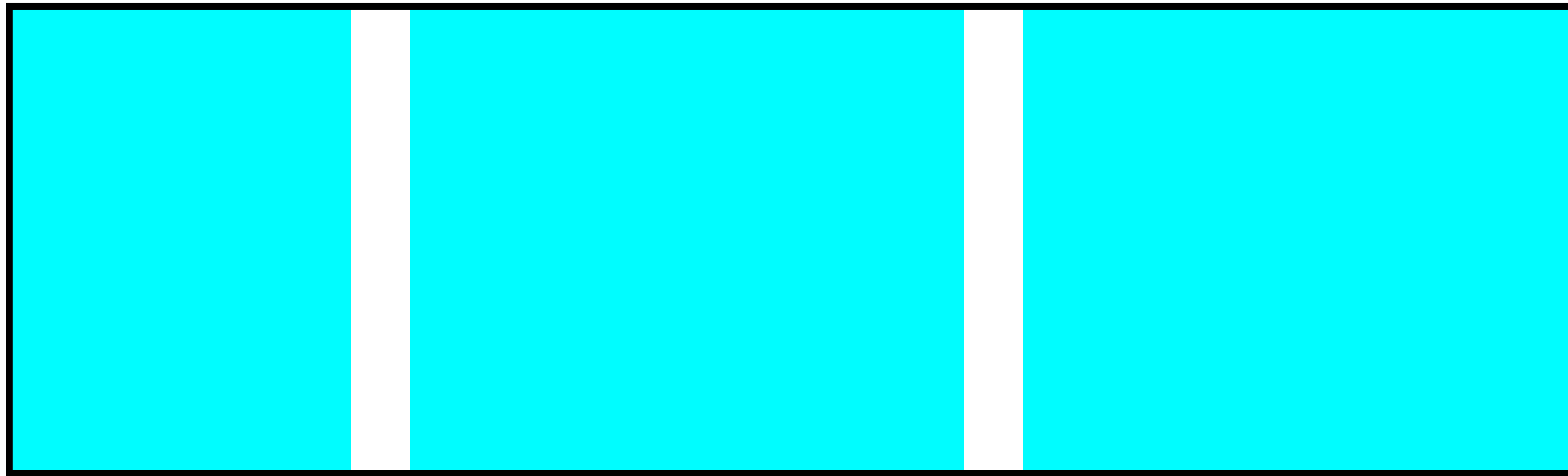
$$1\text{fr} + 1\text{fr} + 1\text{fr} = 3\text{fr total}$$

therefore, $1\text{fr} = 1/3$ of the space



$$1\text{fr} + 1\text{fr} + 1\text{fr} + 1\text{fr} = 4\text{fr total}$$

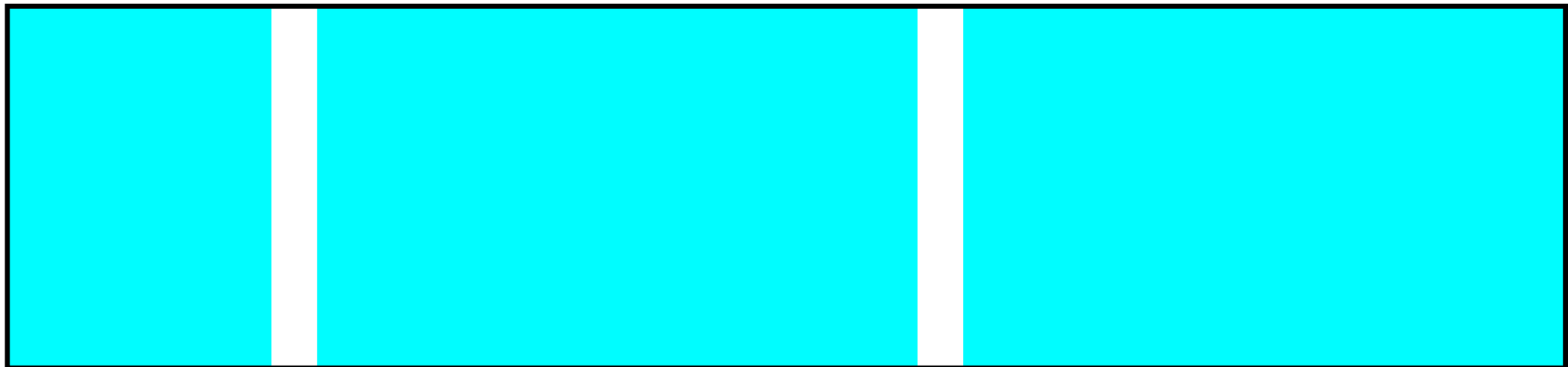
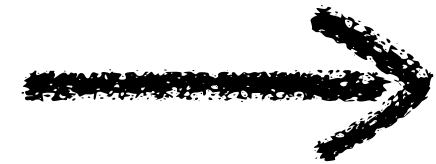
therefore, now $1\text{fr} = 1/4$ of the space



100px

1fr

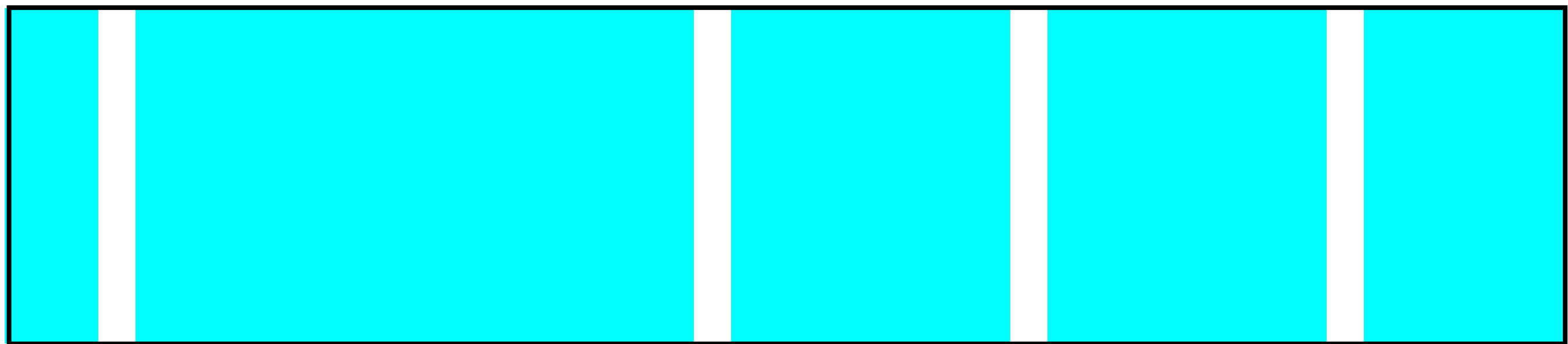
1fr



100px

1fr

1fr



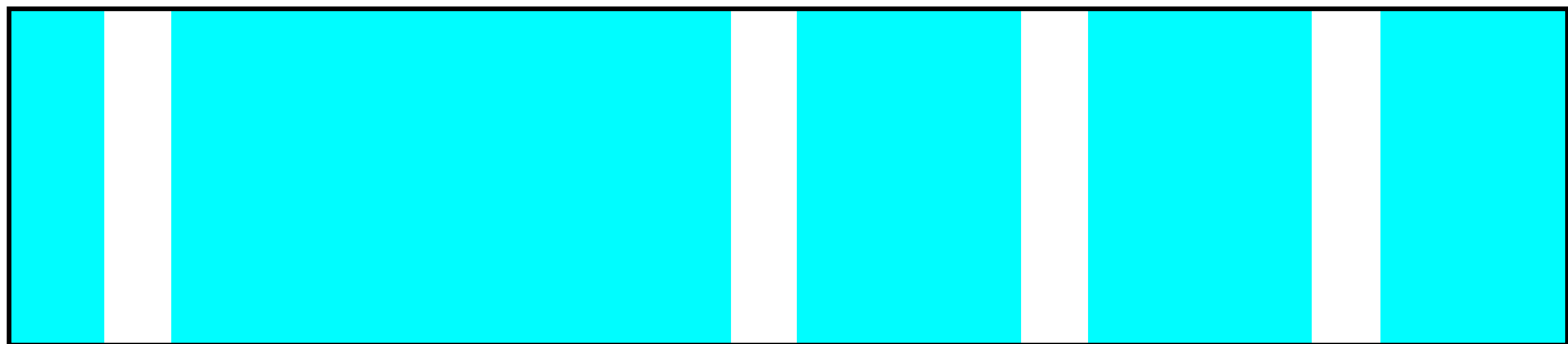
50px

2fr

1fr

1fr

min-content



1fr

6fr

2.4fr

2.4fr

2fr

What about old browsers?

#

CSS Grid Layout

- CR

Method of using a grid concept to lay out content, providing a mechanism for authors to divide available space for layout into columns and rows using a set of predictable sizing behaviors. Includes support for all **grid-*** properties and the **fr** unit.

Current aligned

Usage relative

Date relative

Show all

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser	Opera Mobile	Chrome for Android	Firefox for Android	IE Mobile	UC Browser for Android
			<div>1</div> 49											
		<div>4</div> 52	60			10.2								
	<div>2</div> 15	55	61	10.1		10.3		4.4						
<div>2</div> 11	16	56	62	11	48	11	all	56	10	37	61	56	<div>2</div> 11	11.4
		57	63	TP	49									
		58	64		50									
		59	65											

Notes

Known issues (2)

Resources (13)

Feedback

1

Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags

2

Partial support in IE refers to supporting an older version of the specification.

4

There are some bugs with overflow (1356820, 1348857, 1350925)

Global

69.57% + 5.77% = 75.34%

unprefixed:

69.57%

All Web Site Data

0% + 1.18% = 1.18%

unprefixed:

0%

show more...

caniuse.com/#feat=css-grid

Can I use... Support tables for HTML5, CSS3, etc

IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Blackberry Browser	Opera Mobile	Chrome for Android	Firefox for Android	IE Mobile	UC Browser for Android	Samsung Internet	QQ Browser	Baidu Browser
		3 43	1 49	3.2	1 35												
		3 44	1 50	4	1 36	3.2											
		3 45	1 51	5	1 37	4.1											
		3 46	1 52	5.1	1 38	4.3											
		3 47	1 53	6	1 39	5.1		2.1									
		3 48	1 54	6.1	1 40	6.1		2.2									
		3 49	1 55	7	1 41	7.1		2.3									
		3 50	1 56	7.1	1 42	8		3									
6		3 51	4 57	8	1 43	8.4		4									
7	2 12 ms	4 52	58	9	44	9.2		4.1									
8	2 13 ms	4 53	59	9.1	45	9.3		4.3									
9	2 14 ms	54	60	10	46	10.2		4.4		12							
2 10 ms	2 15 ms	55	61	10.1	47	10.3		4.4.4	7	12.1			2 10 ms		4		
2 11 ms	16	56	62	11	48	11	all	56	10	37	61	56	2 11 ms	11.4	5 6	1 1.2	7.12
		57	63	TP	49												
		58	64		50												
		59	65														

Notes

Known issues (2)

Resources (13)

Feedback

1

Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags

2

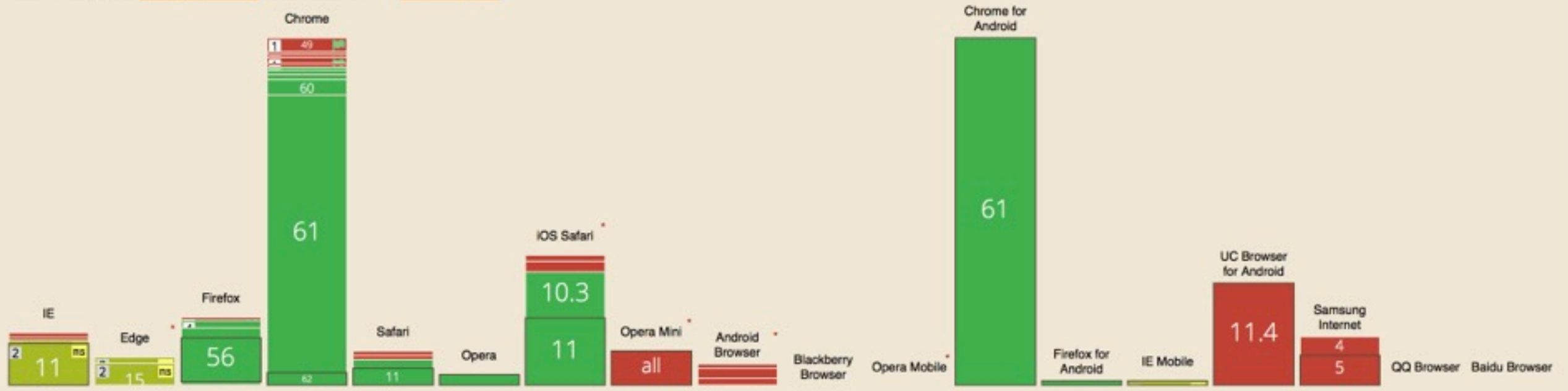
Partial support in IE refers to supporting an older version of the specification.

CSS Grid Layout - CR

Method of using a grid concept to lay out content, providing a mechanism for authors to divide available space for layout into columns and rows using a set of predictable sizing behaviors. Includes support for all **grid-*** properties and the **fr** unit.

Global 69.57% + 5.77% = 75.34%
unprefixed: 69.57%
All Web Site Data 0% + 1.18% = 1.18%
unprefixed: 0%
[show more...](#)

Current aligned Usage relative Date relative Showing all



Notes Known issues (2) Resources (13) Feedback

- 1 Enabled in Chrome through the "experimental Web Platform features" flag in chrome://flags
- 2 Partial support in IE refers to supporting an older version of the specification.
- 3

You must support
browsers that
do not understand
CSS Grid.

```
@supports (foo: value) {  
    // some CSS code here  
}
```

```
// code for non-Grid browsers
```

```
@supports (display: grid) {
```

```
    // undo some of the above
```

```
    // then do your Grid layout
```

```
}
```



hacks.mozilla.org/2016/08/using-feature-queries-in-css



			3	47	1	53	6	1	39	5.1
			3	48	1	54	6.1	1	40	6.1
			3	49	1	55	7	1	41	7.1
			3	50	1	56	7.1	1	42	8
			3	51	4	57	8	1	43	8.4
6		2	12	4	52	58	9		44	9.2
7		2	13	4	53	59	9.1		45	9.3
8		2	14		54	60	10		46	10.2
9		2	15		55	61	10.1		47	10.3
2	10	2	11		56	62	11	6	48	11
			16		57	63	TP		49	
					58	64			50	
					59	65				

You have two choices for
Internet Explorer (& old Edge):

- 1) Leverage the 2012 Grid
implementation.
- 2) Pretend IE has no Grid.

You have two choices for
Internet Explorer (& old Edge):

1) Use old -ms-* syntax.

2) Or don't.

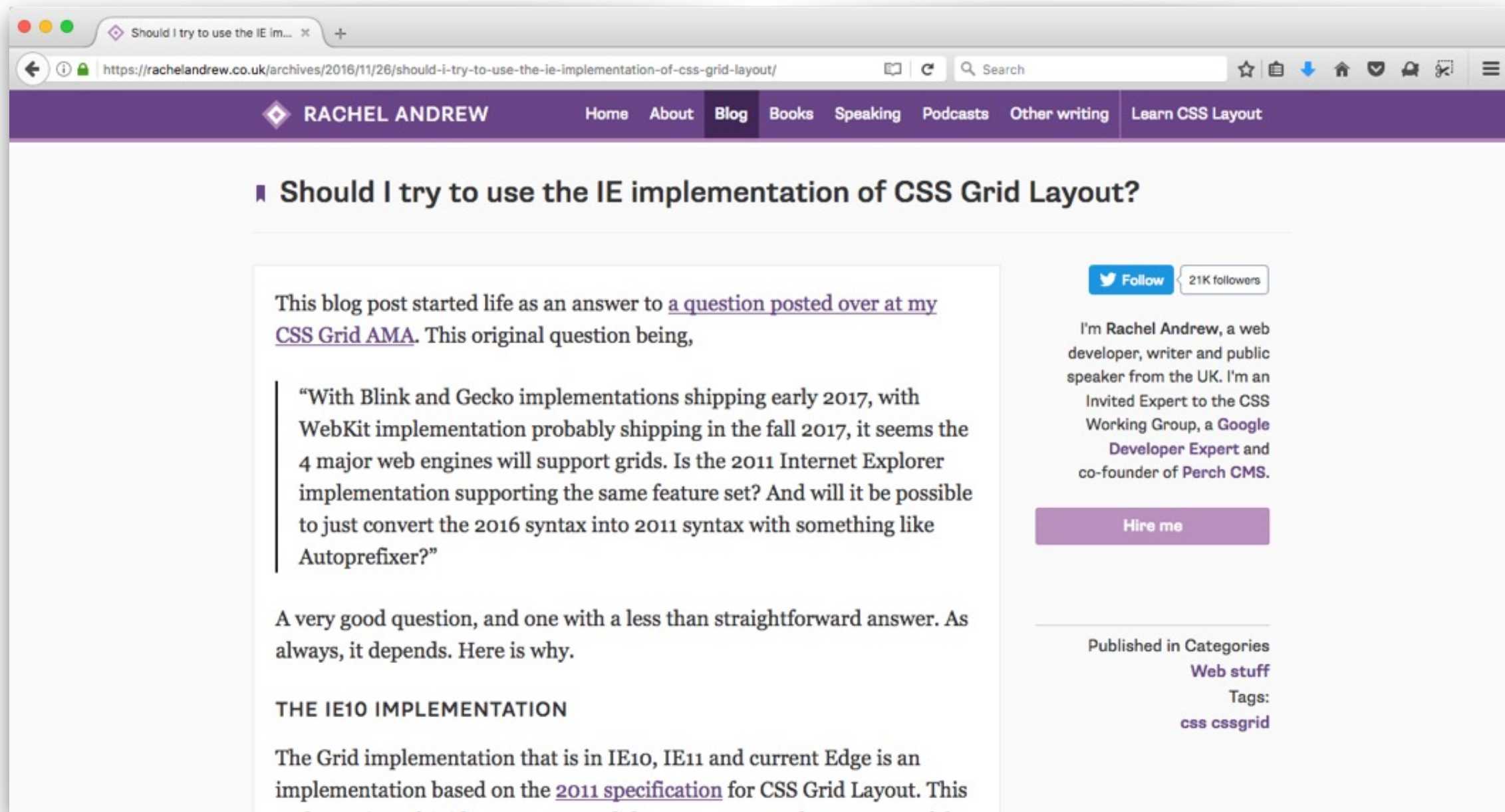
```
display: grid;  
grid-template-columns: repeat(4, 100px);
```

```
display: -ms-grid;  
-ms-grid-columns: (100px)[4];
```

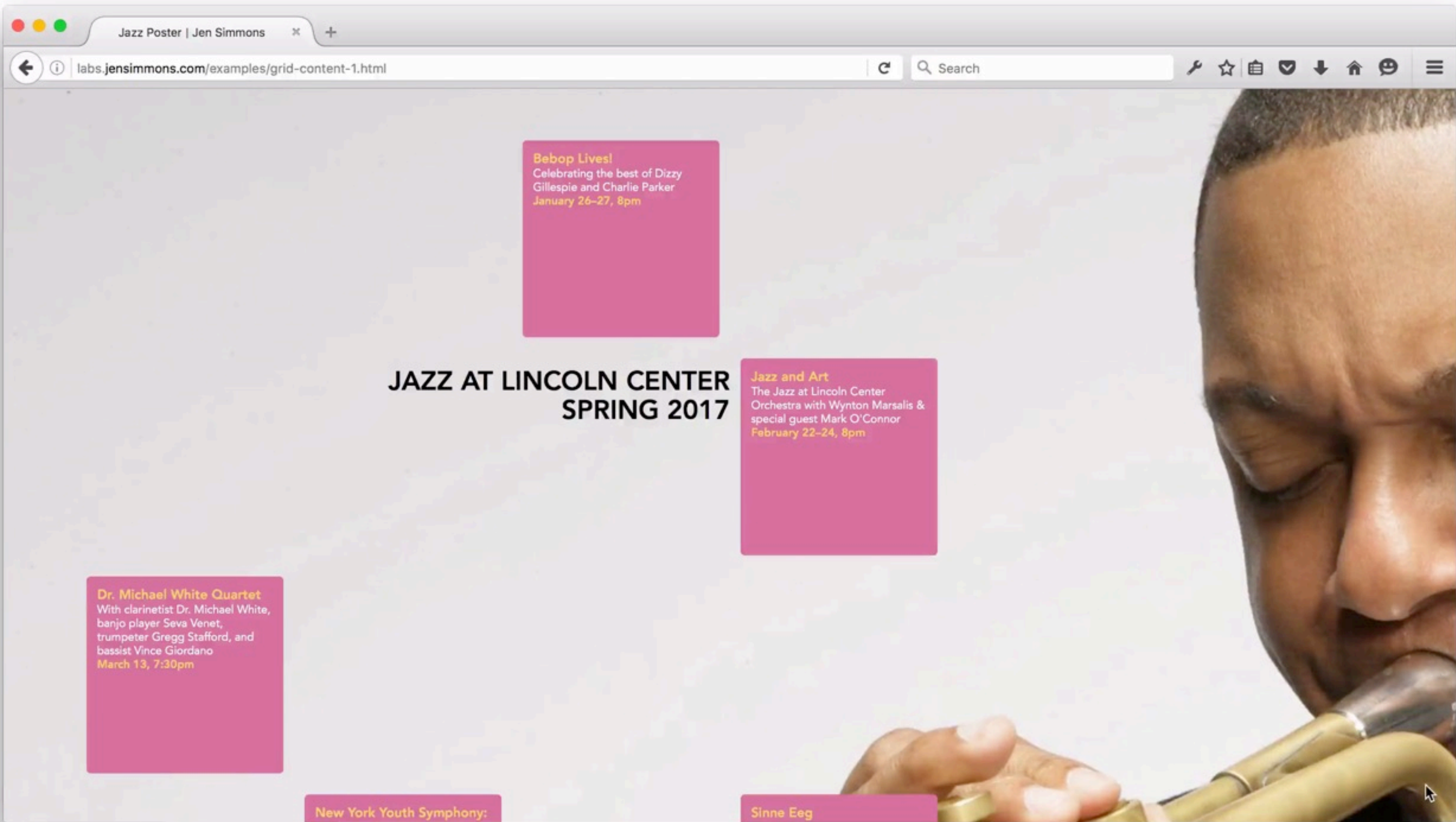


Autoprefixer

CR Level 1 Property	IE10 Implementation	Autoprefixer	Note
grid-template-columns	-ms-grid-columns	Yes	
grid-template-rows	-ms-grid-rows	Yes	
grid-template-areas	-	No	
grid-template	-	No	Shorthand
grid-auto-columns	-	No	
grid-auto-rows	-	No	
grid-auto-flow	-	No	
grid	-	No	Shorthand
grid-row-start	-ms-grid-row	Yes	
grid-column-start	-ms-grid-column	Yes	
grid-row-end	-	No	Defined by the -ms-grid-row-span property
grid-column-end	-	No	Defined by the -ms-grid-column-span property
grid-row	-	Yes (only for start value)	Shorthand for setting start and end values together
grid-column	-	Yes (only for start value)	Shorthand for setting start and end values together
grid-area	-	No	
grid-row-gap	-	No	Gap properties can be faked by using a regular track.
grid-column-gap	-	No	
grid-gap	-	No	
-	-ms-grid-column-span	-	Not required due to changes to spec
-	-ms-grid-row-span	-	Not required due to changes to spec
align-self	-ms-grid-column-align	Yes	Now part of Box Alignment
justify-self	-ms-grid-row-align	No	Now part of Box Alignment



rachelandrew.co.uk/archives/2016/11/26/should-i-try-to-use-the-ie-implementation-of-css-grid-layout



JAZZ AT LINCOLN CENTER SPRING 2017

Bebop Lives!

Celebrating the best of Dizzy
Gillespie and Charlie Parker
January 26-27, 8pm

Jazz and Art

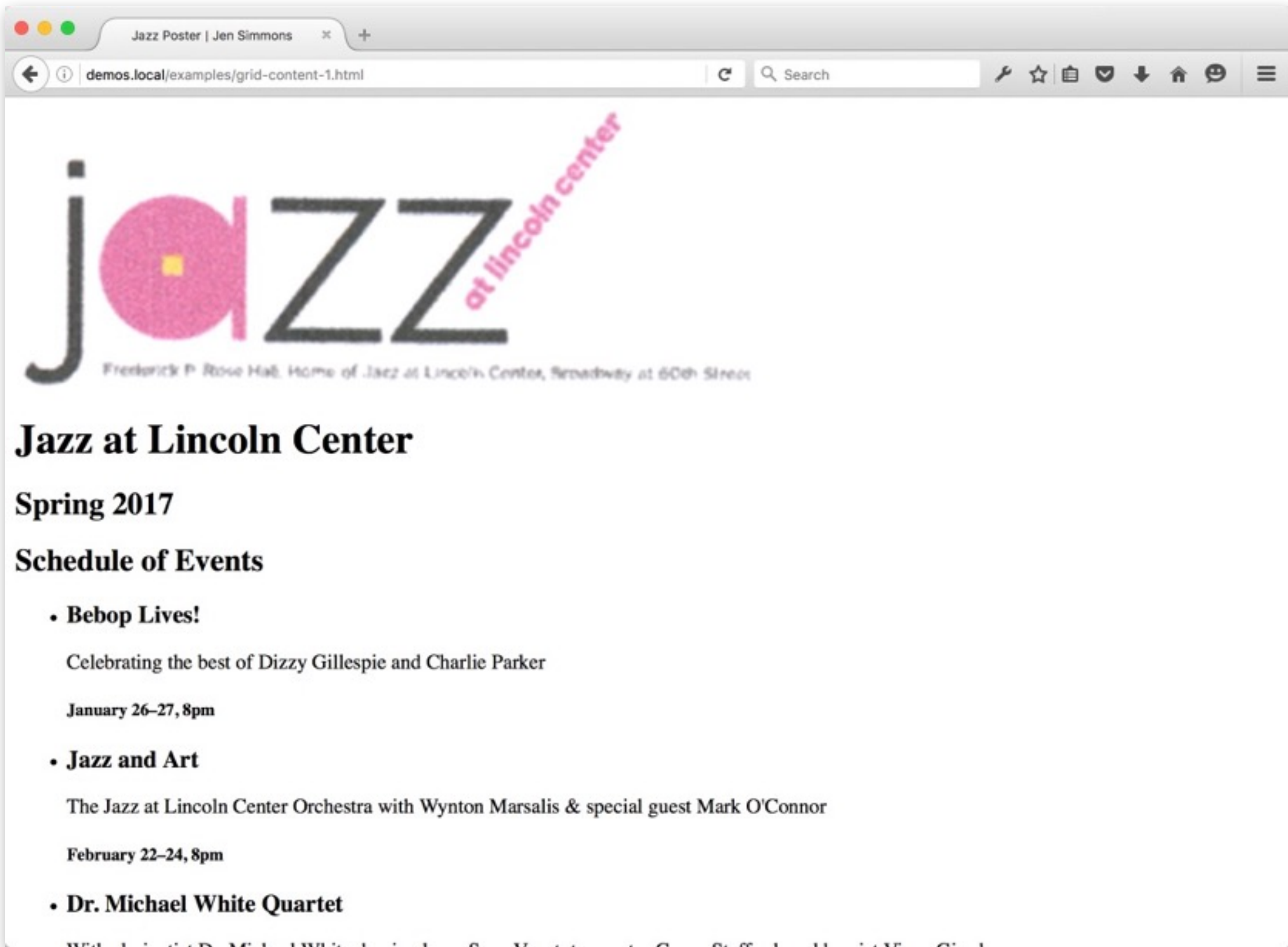
The Jazz at Lincoln Center
Orchestra with Wynton Marsalis &
special guest Mark O'Connor
February 22-24, 8pm

Dr. Michael White Quartet

With clarinetist Dr. Michael White,
banjo player Seva Venet,
trumpeter Gregg Stafford, and
bassist Vince Giordano
March 13, 7:30pm

New York Youth Symphony:

Sinne Eeg





JAZZ AT LINCOLN CENTER SPRING 2007

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January 26-27, 8pm

Jazz and Art

The Jazz at Lincoln Center
Orchestra with Wynton
Marsalis & special guest
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February 22-24, 8pm

Dr. Michael White Quartet

With clarinetist Dr.
Michael White, banjo
player Seva Venet,
trumpeter Gregg Stafford,
and bassist Vince
Giordano
March 13, 7:30pm

New York Youth Symphony:

Dedicated to Diz
with special guest Jon
Faddis
March 14, 8pm

Sinne Eeg

With vocalist Sinne Eeg,
pianist Jacob
Christoffersen, drummer
Clarence Penn, and
bassist Johannes
Weidenmueller
March 15, 2:30pm

Late Night Session: Evan Sherman Entourage

Tuesday-Saturday
evenings, doors open at
11:15pm for Late Night
Sessions.
March 15, 11:15pm

An Evening with Audrey Shafir

With vocalist Audrey
Shafir, Musical
Director/pianist Ted
Howe, bassist Tom
Kennedy, and drummer
Matt Slocum
March 16, 8pm

New York City Opera Concerts

The New York City Opera
Concert Series launches
with the world premiere of
David Hertzberg's
"Sunday Morning".
March 16, 9pm

Evan Sherman Big Band

Tuesday-Saturday
evenings, doors open at
11:15pm for Late Night
Sessions featuring some
of the most talented
emerging artists in jazz.
March 17-22, 11:15pm

Aaron Diehl: The Real Deal

Pianist Aaron Diehl,
known fondly as "The
Real Diehl" in jazz circles,
has been a Jazz at Lincoln
Center favorite since he
was named "Outstanding
Soloist".
March 18, 7:30pm

Walter Blanding: Fantasy in Blue

With saxophonist Walter
Blanding, trumpeter
Freddie Hendrix, pianist
Emmet Cohen, bassist
Yasushi Nakamura, and
drummer Ulysses Owens,
Jr.
March 18, 8pm

GET TICKETS WHILE THEY LAST!

This would be box office information, but this is a fake
poster. This content might seem real, but it's all made up so
I can do a demonstration of new website technology.



Bebop Lives!

Celebrating the best
of Dizzy Gillespie
and Charlie Parker
January 26-27, 8pm

JAZZ AT LINCOLN CENTER SPRING 2017

Jazz and Art

The Jazz at Lincoln
Center Orchestra
with Wynton
Marsalis & special
guest Mark
O'Connor
February 22-24,
8pm

Dr. Michael White Quartet

With clarinetist Dr.
Michael White,
banjo player Seva
Venet, trumpeter
Gregg Stafford, and
bassist Vince
Giordano
March 13, 7:30pm

New York Youth
Symphony:
Dedicated to Diz
with special guest
Jon Faddis
March 14, 8pm

Sinne Eeg

With vocalist Sinne
Eeg, pianist Jacob
Christoffersen,
drummer Clarence
Penn, and bassist
Johanes
Weidenmueller
March 15, 2:30pm

Late Night Session: Evan Sherman

Entourage
Tuesday-Saturday
evenings, doors
open at 11:15pm for
Late Night Sessions.
March 15, 11:15pm

An Evening with Audrey Shafir

With vocalist Audrey
Shafir, Musical
Director/pianist Ted
Howe, bassist Tom
Kennedy, and
drummer Matt
Slocum
March 16, 8pm

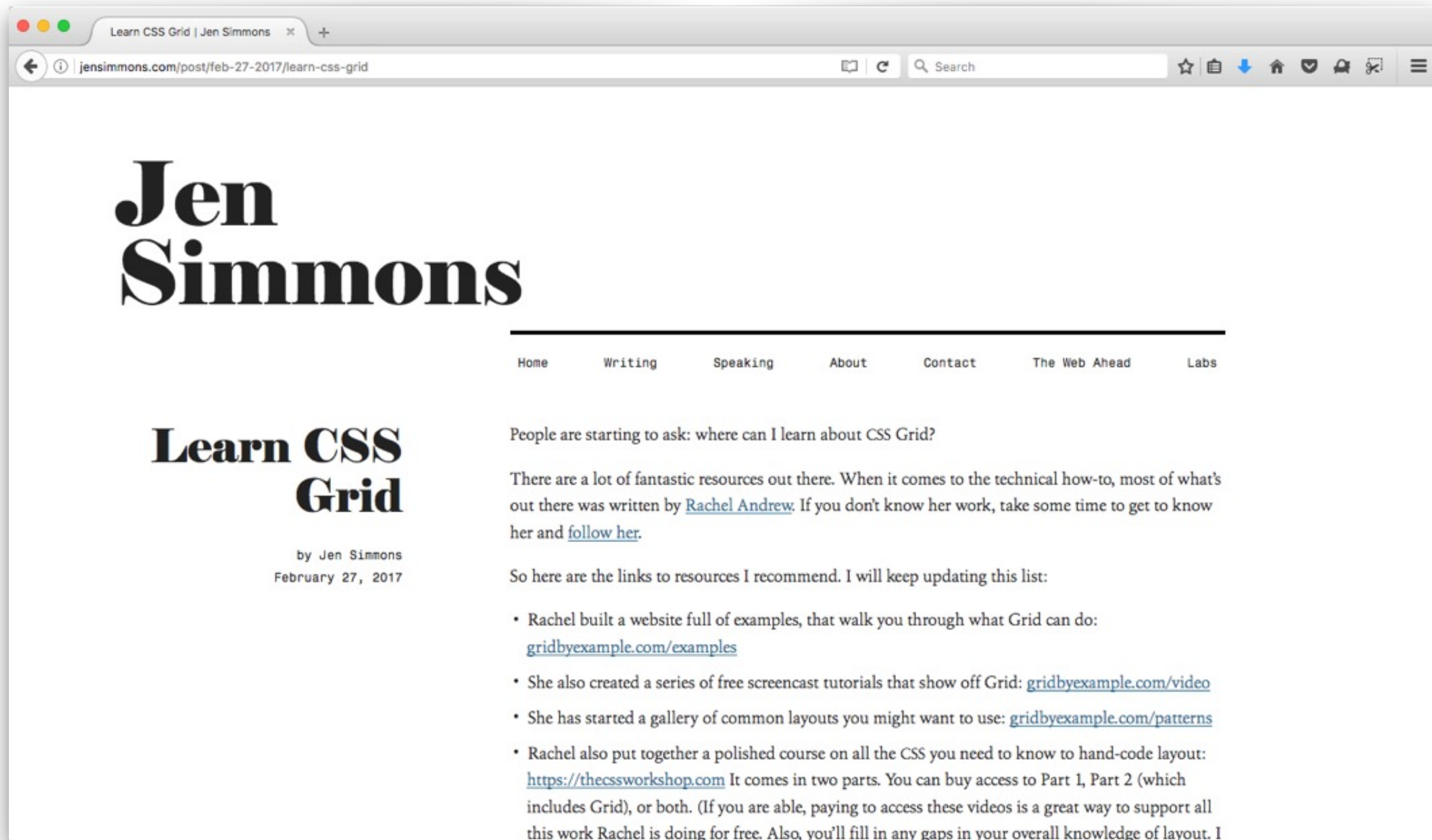
New York City

GET TICKETS WHILE THEY LAST!

This would be box office information, but this is a fake poster.


```
77
78 // Basic layout for non-Grid supporting browsers
79
80 li {
81   width: 150px;
82   float: left;
83   margin: 10px;
84 }
85 .ticketinfo {
86   width: 320px;
87   float: left;
88   margin: 10px;
89   margin-bottom: 100px;
90 }
91
92 @supports (display:grid) {
93   // undo the basic layout for non-Grid-supporting browsers
94   li {
95     width: auto;
96     margin: 0;
97   }
98
99   // Ok, lets go Grid!
100   @media (min-width: 680px) { /* autoprefixer: off */
101     main { /* autoprefixer: off */
102       display: grid;
103       grid-template-columns: repeat(5, 16vw);
104       grid-template-rows: repeat(12, 16vw);
105       grid-gap: 2vw;
106     }
107     .logo {
108       grid-row: -1 / -2;
109       img {
110         width: 16vw;
111       }
112       align-self: end;
113     }
114     header {
115       grid-column: 1 / 3;
116       grid-row: 2 / 3;
117       align-self: center;
```


For more...



jensimmons.com/post/feb-27-2017/learn-css-grid

CSS Grid Layout - CSS | MDN

Mozilla Foundation (US) https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Grid_Layout

MDN MOZILLA DEVELOPER NETWORK

WEB TECHNOLOGIES MOZILLA DOCS DEVELOPER TOOLS FEEDBACK

MDN > Web technology for developers > CSS > CSS Grid Layout

LANGUAGES EDIT

see all contributors

CSS Grid Layout

SEE ALSO

- CSS
- Reference
- CSS Grid Layout
- Guides**
 - Basics concepts of grid layout
 - Relationship to other layout methods
 - Line-based placement
 - Grid template areas
 - Layout using named grid lines
 - Auto-placement in grid layout
 - Box alignment in grid layout
 - Grids, logical values and writing modes
 - CSS Grid Layout and Accessibility
 - CSS Grid Layout and Progressive Enhancement
 - Realizing common layouts using grids
- Properties**

CSS Grid layout brings a two-dimensional layout tool to the web, with the ability to lay out items in rows and columns. CSS Grid can be used to achieve many different layouts. It excels at dividing a page into major regions, or defining the relationship in terms of size, position, and layer, between parts of a control built from HTML primitives.

Like tables, grid layout enables an author to align elements into columns and rows. However, unlike tables, grid layout doesn't have content structure, therefore enabling a wide variety of layouts not possible in tables. For example, a grid container's child elements could position themselves so they actually overlap and layer, similar to CSS positioned elements.

Basic example

The below example shows a three column track grid with new rows created at a minimum of 100 pixels and a maximum of auto. Items have been placed onto the grid using line-based placement.

HTML

```
1 <div class="wrapper">
2   <div class="one">One</div>
3   <div class="two">Two</div>
4   <div class="three">Three</div>
5   <div class="four">Four</div>
```

developer.mozilla.org/docs/Web/CSS/CSS_Grid_Layout

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