

Het web is klaar voor
**geweldig
grafisch
ontwerp**

HIDDE DE VRIES, 15/10/2019, TILBURG TECH MEETUP

Hidde de Vries @hdv

Freelance front-end ontwikkelaar, accessibility specialist,
blogger, bij hiddedevries.nl

Sinds 2019 werkzaam voor W3C/WAI, daarvoor o.a.
Mozilla, Gemeente Den Haag, Ministerie van BZK.



GRAFISCH ONTWERP

en het WEB

*“We're going to run a few workshops
to collect feedback and to get your
help with making the spec better
and easier to understand”*

– Fantasai

The screenshot shows a web browser window displaying the 'CSS Grid Layout Module Level 1' specification. The page title is 'CSS Grid Layout Module Level 1' and the URL is 'https://www.w3.org/TR/css-grid-1/'. A sidebar on the left is titled 'W3C Candidate Recommendation' and contains a 'TABLE OF CONTENTS'. The main content area on the right provides details about the specification, including links to previous versions, test suites, issue tracking, and editor information.

CSS Grid Layout Module Level 1
W3C Candidate Recommendation, 09 May 2017

This version: <https://www.w3.org/TR/2017/CR-css-grid-1-20170509/>

Latest published version: <https://www.w3.org/TR/css-grid-1/>

Editor's Draft: <https://drafts.csswg.org/css-grid/>

Previous Versions:

- <https://www.w3.org/TR/2017/CR-css-grid-1-20170209/>
- <https://www.w3.org/TR/2016/WD-css-grid-1-20160519/>
- <https://www.w3.org/TR/2015/WD-css-grid-1-20150917/>
- <https://www.w3.org/TR/2015/WD-css-grid-1-20150806/>
- <https://www.w3.org/TR/2015/WD-css-grid-1-20150317/>
- <https://www.w3.org/TR/2014/WD-css-grid-1-20140513/>
- <https://www.w3.org/TR/2014/WD-css-grid-1-20140123/>
- <https://www.w3.org/TR/2013/WD-css3-grid-layout-20130402/>
- <https://www.w3.org/TR/2012/WD-css3-grid-layout-20121106/>

Test Suite: http://test.csswg.org/suites/css-grid-1_dev/nightly-unstable/

Issue Tracking:

- [Disposition of Comments](#)
- [Inline In Spec](#)
- [GitHub Issues](#)

Editors:

- [Tab Atkins Jr. \(Google\)](#)
- [Elika J. Etemad / fantasai \(Invited Expert\)](#)
- [Rossen Atanassov \(Microsoft\)](#)

Former Editors:

- [Alex Mogilevsky \(Microsoft Corporation\)](#)
- [Phil Cupp \(Microsoft Corporation\)](#)

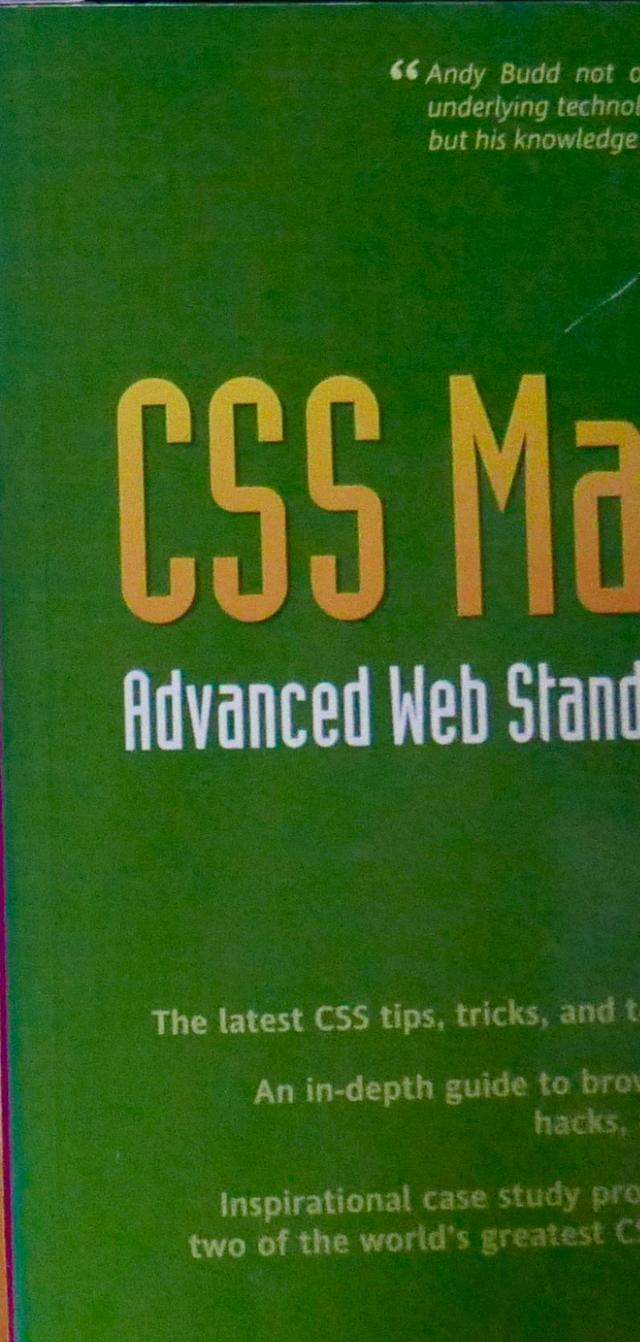
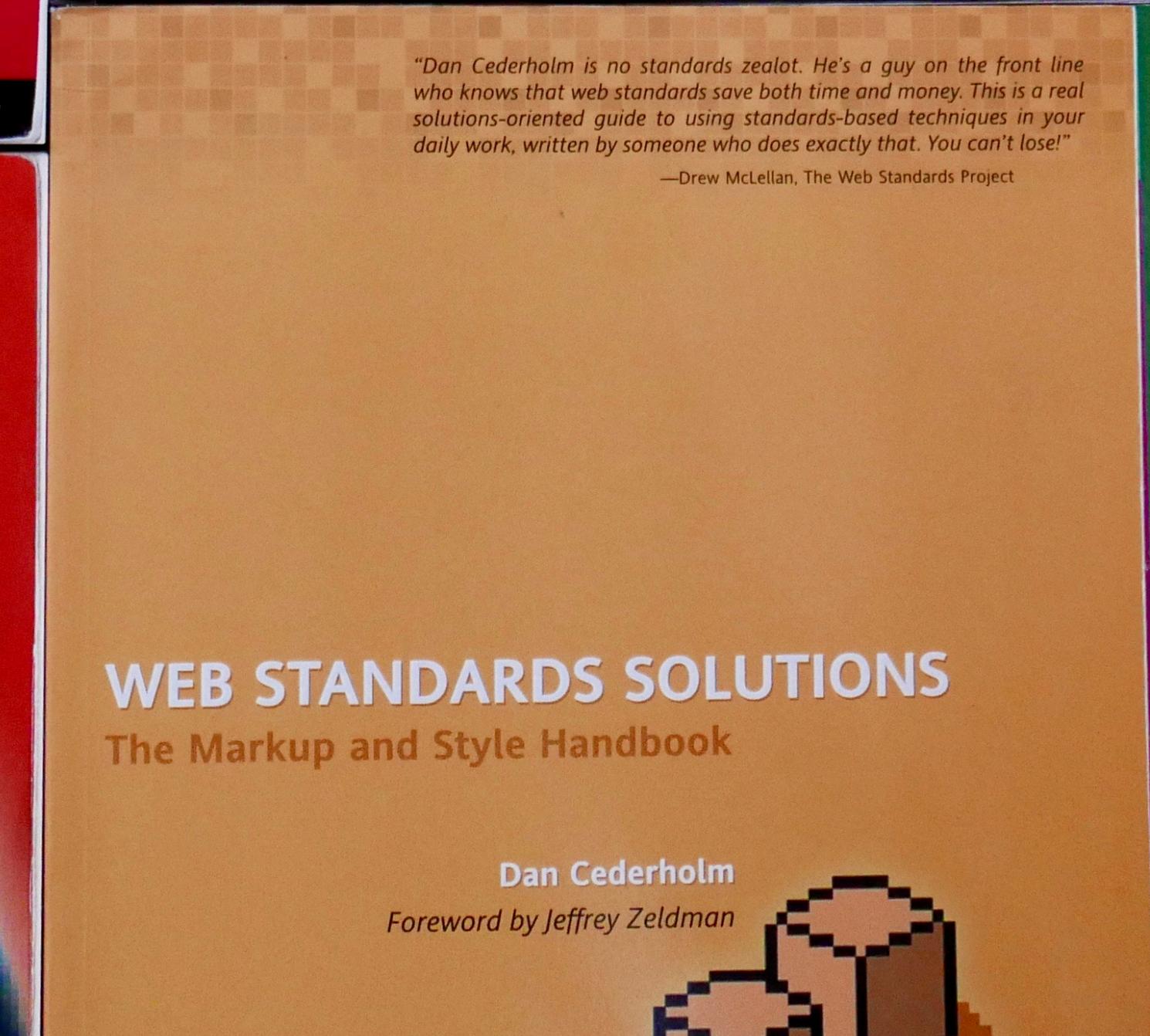
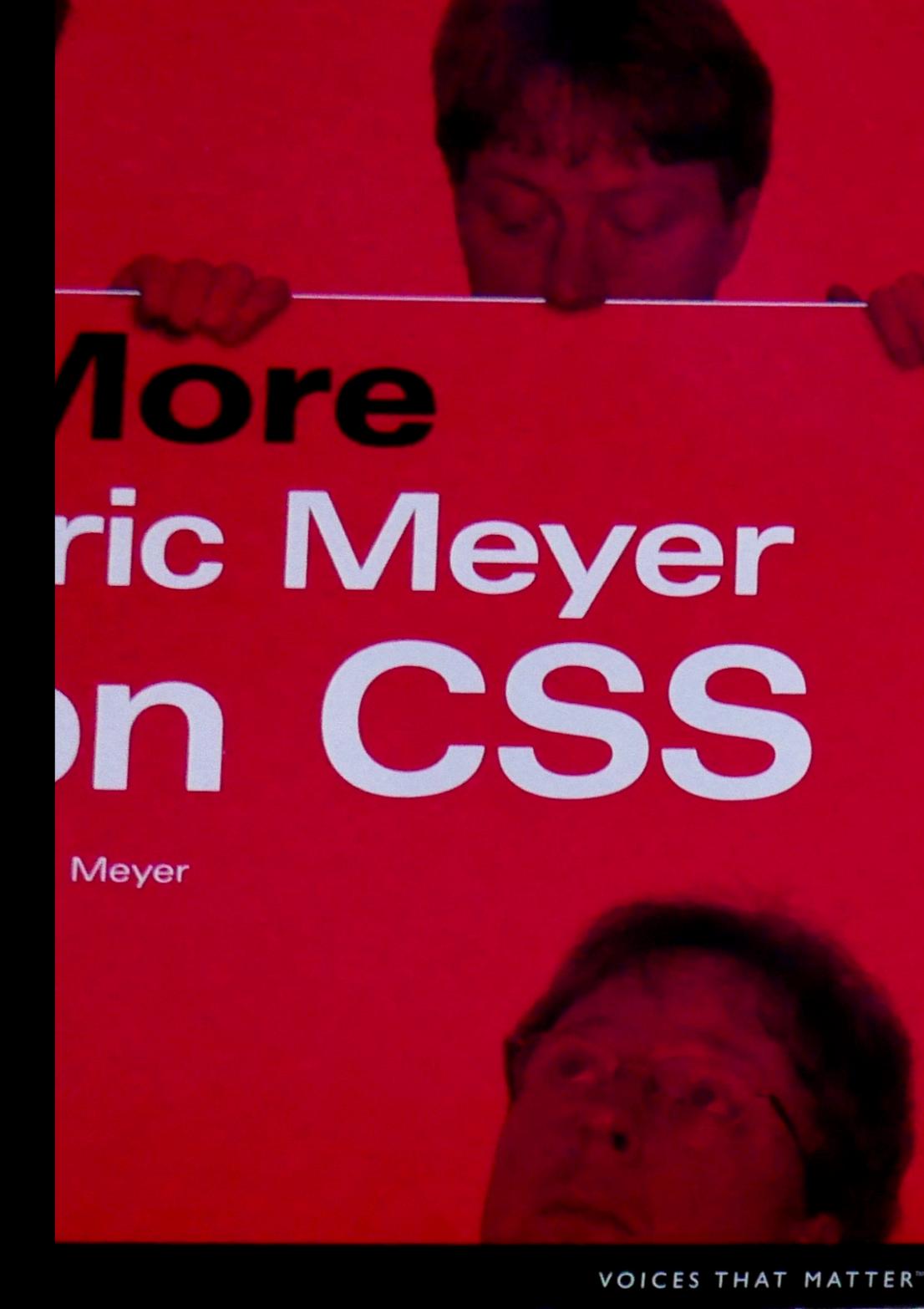
Copyright © 2017 W3C® (MIT, ERCIM, Keio, Beihang). W3C liability, trademark and permissive document license apply.

Abstract



Amsterdam, 2016. Photo: Michiel Bijl

@hdv



INTRODUCTION BY ANDY BUDD, AUTHOR OF CSS MASTERY

Bullet
W
Improving flexi
against

"Andy Budd not o
underlying technol
but his knowledg

@hdv

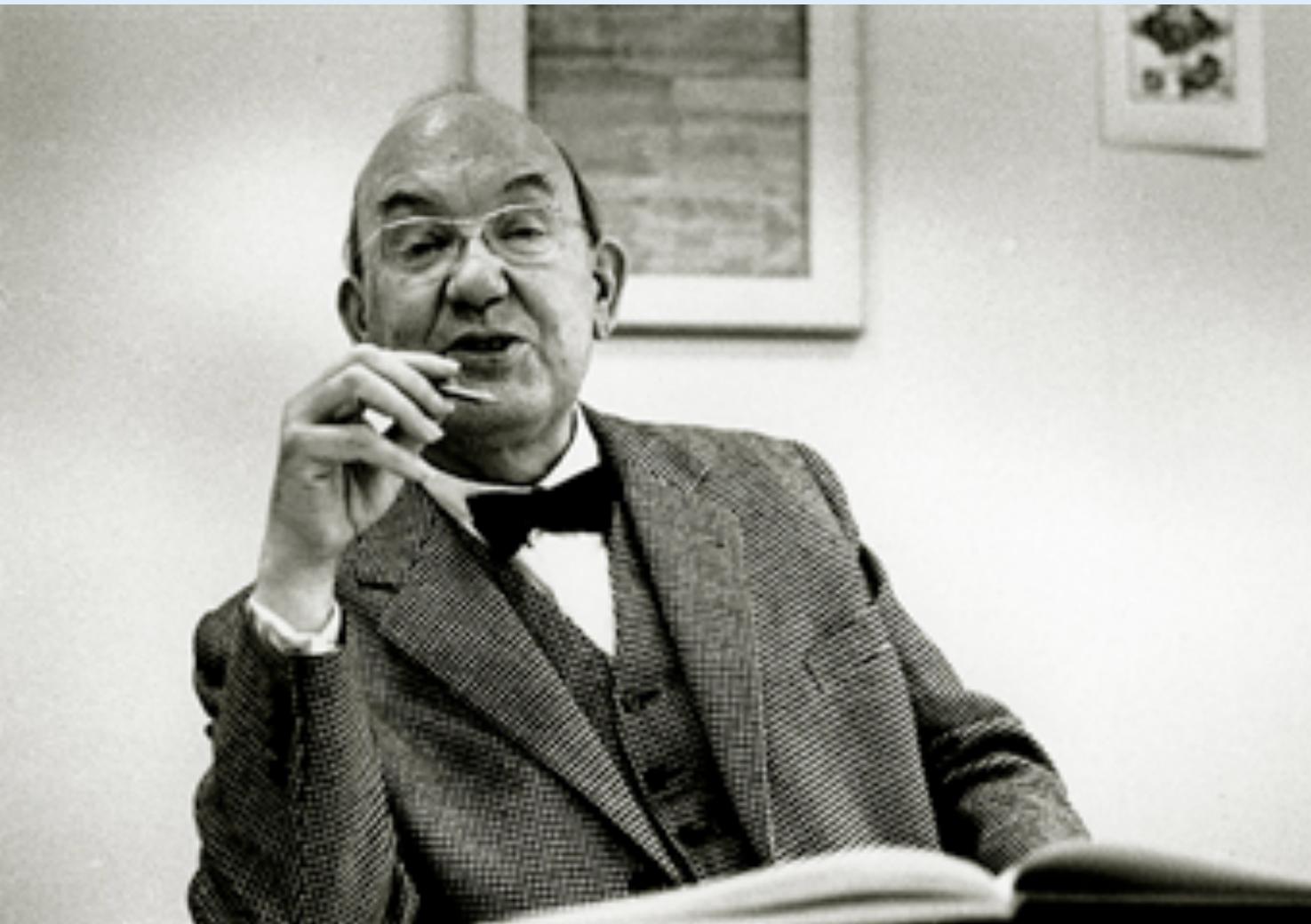
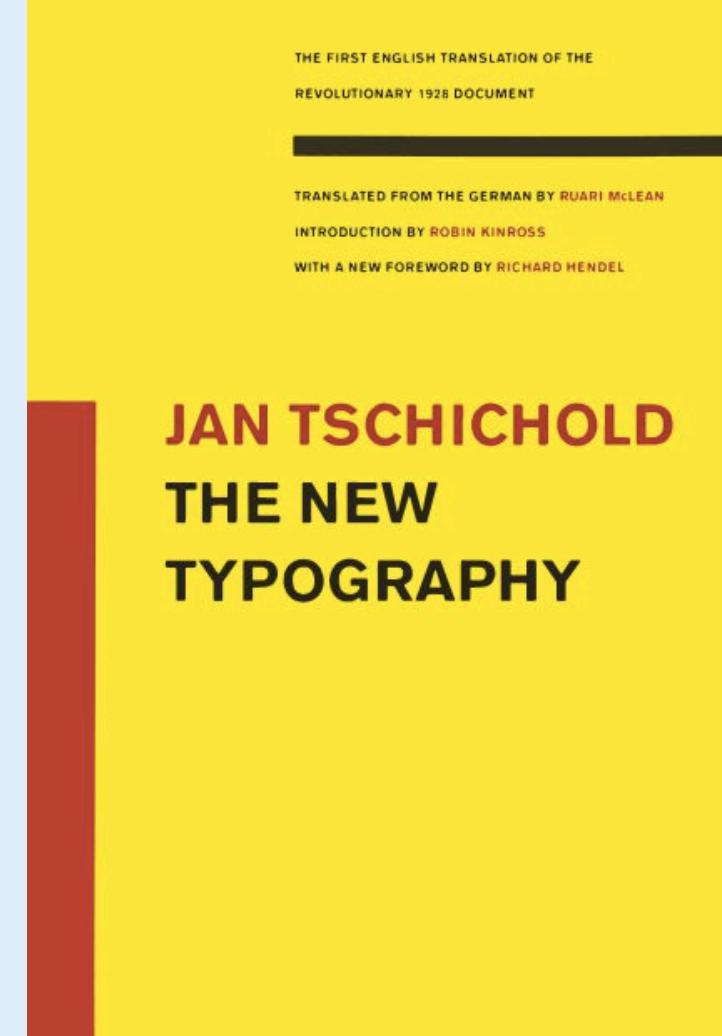
**Er is een nieuwe tijd
aangebroken voor grafisch
ontwerp op het web**

wat is GEWELDIG
GRAFISCH ONTWERP?

Modernisme in grafisch ontwerp

Die neue Typography

Jan Tschichold, 1928



jan tschichold:

lichtbildervortrag die neue typographie

am mittwoch, 11. mai 1927, abends 8 uhr, in der aula der graphischen berufsschule,
pranckhstraße 2, am marsfeld, straßenbahnlinien: 3 (haltestelle hackerbrücke),
1, 4 und 11 (haltestelle pappenheimstraße) • der vortrag wird von über hundert
größtenteils mehrfarbigen lichtbildern begleitet, eine diskussion findet nicht statt

freier eintritt

veranstalter:
bildungsverband
der deutschen
buchdrucker
ortsgruppe
münchen
vorsitzender:
j. lehnacker
münchen
fröttmaninger-
straße 14 c



Moderne tijden
vragen om functie
boven vorm.

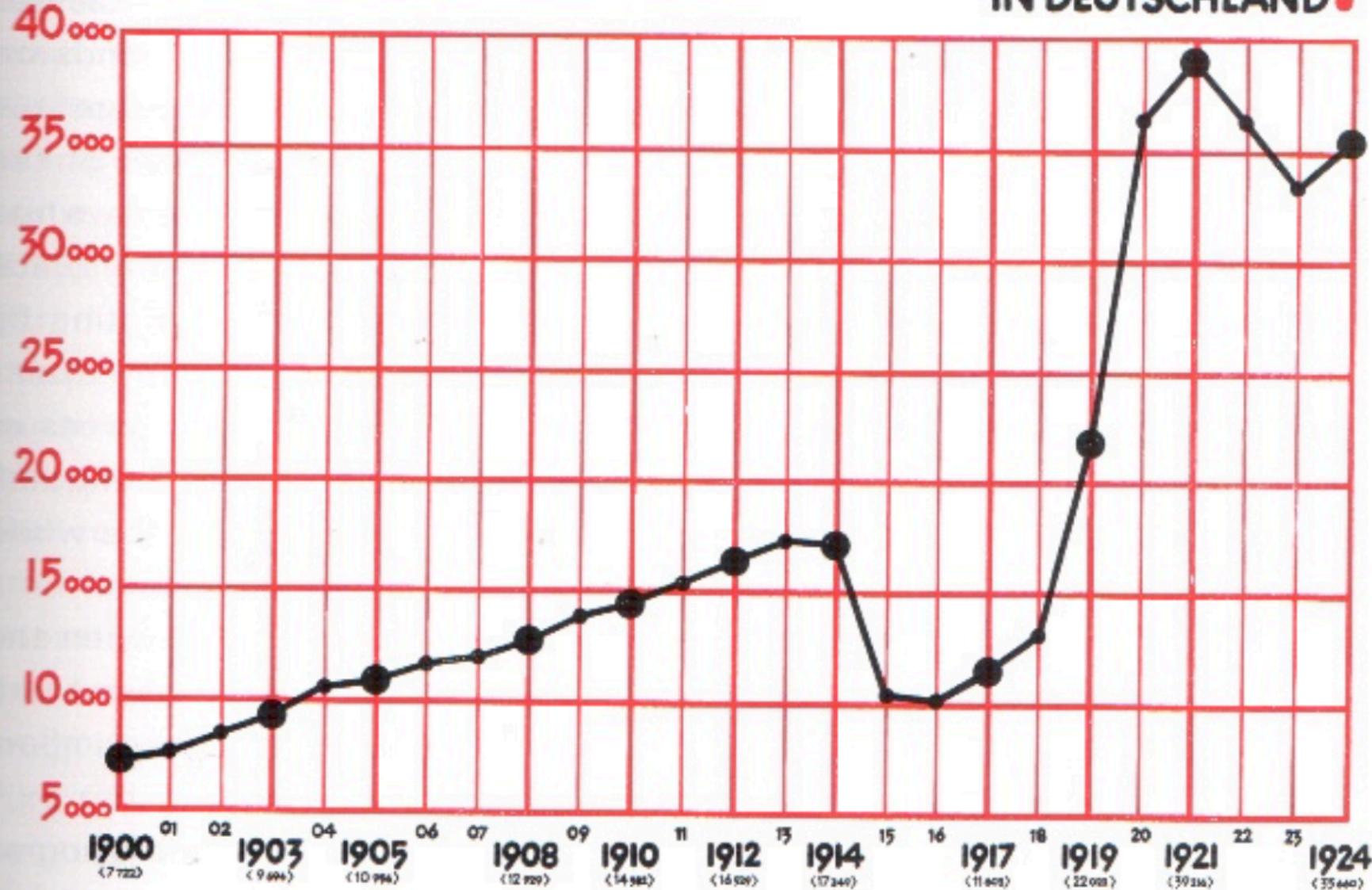
Duidelijkheid,
ipv 'schoonheid'.

Asymmetrische uitlijning is effectiever



STATISTIK DER EHE SCHEIDUNGEN

IN DEUTSCHLAND:



IM EHE-BUCH

ZEIGEN 24 FÜHRende GEISTER DEN AUSWEG AUS DIESER KRISE
JEDER WIRD IN DIESEM WERK AUF DEN TIEFEN SINN SEINER PER-
SONLICHEN FRAGE DIE ANTWORT UND EINEN RAT FINDEN

MITARBEITER: GRAF KEYSERLING (HERAUSGEBER UND MITARBEITER) • THOMAS
MANN • RICARDA HUCH • JACOB WASSERMANN • HAVELOCK ELLIS • RABIN-
DRANATH TAGORE • FÜRSTIN LICHNOWSKY • A.W. NIEUWENHUIS • LEO FRO-
BENIUS • ERNST KRETSCHMER • BARONIN LEONIE UNGERN-STERNBERG •
RICHARD WILHELM • BEATRICE HINKLE • HANS VON HATTINGBERG • MATHILDE
VON KEMNITZ • GRAF THUN-HOHENSTEIN • MARTA KARLWEIS • ALPHONS
MAEDER • LEO BAECK • JOSEPH BERNHART • PAUL ERNST • ALFRED ADLER
• C.G. JUNG • PAUL DAHLKE

PREIS: HALBLEINEN: 12.⁵⁰ GANZLEINEN: 15.⁰⁰ HALBLEDER: 20.⁰⁰

NIELS KAMPMANN VERLAG CELLE

INTHALER TECHNICAL PLANNING BE MÜNCHEN DRUCKEREI ALI (SCHAFFHAUSEN)

Ontwerp zodanig dat
de ogen van het ene
woord naar het
andere worden geleid

JAN TSCHICHOLD: Poster 1926, Normformat A

Source: Jan Tschichold, *Die Neue Typographie*.

@hdv

“

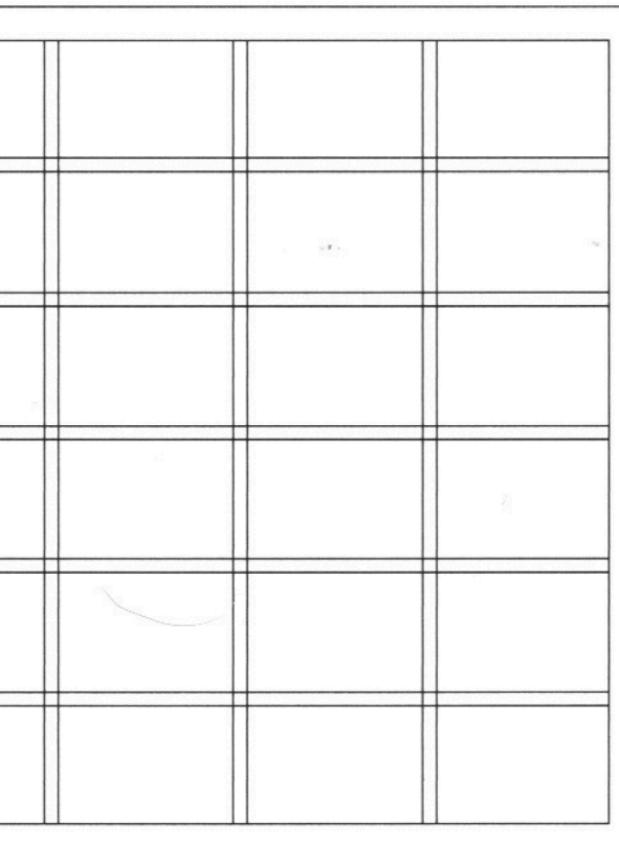
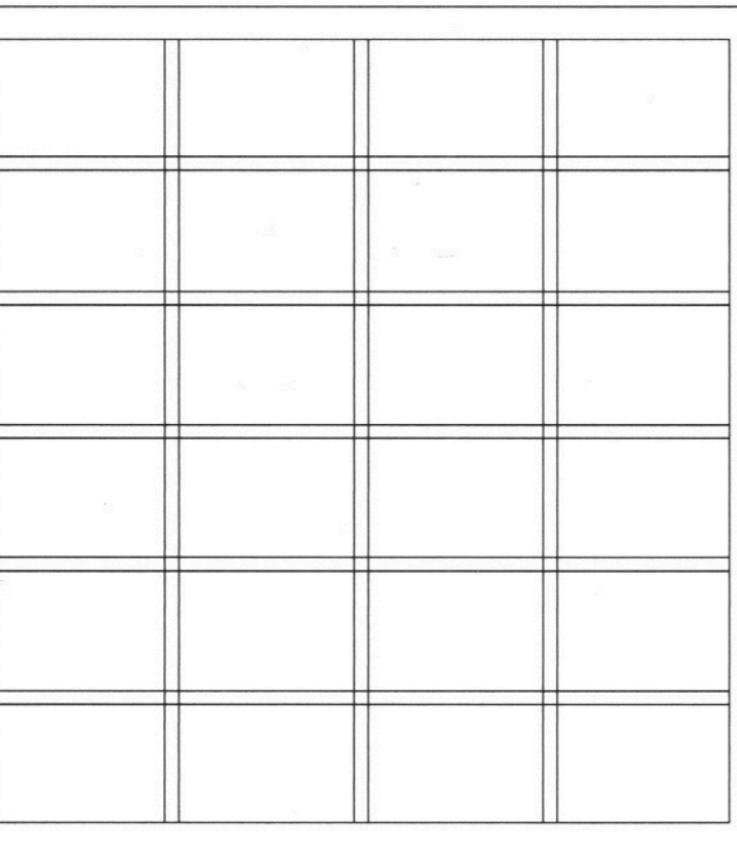
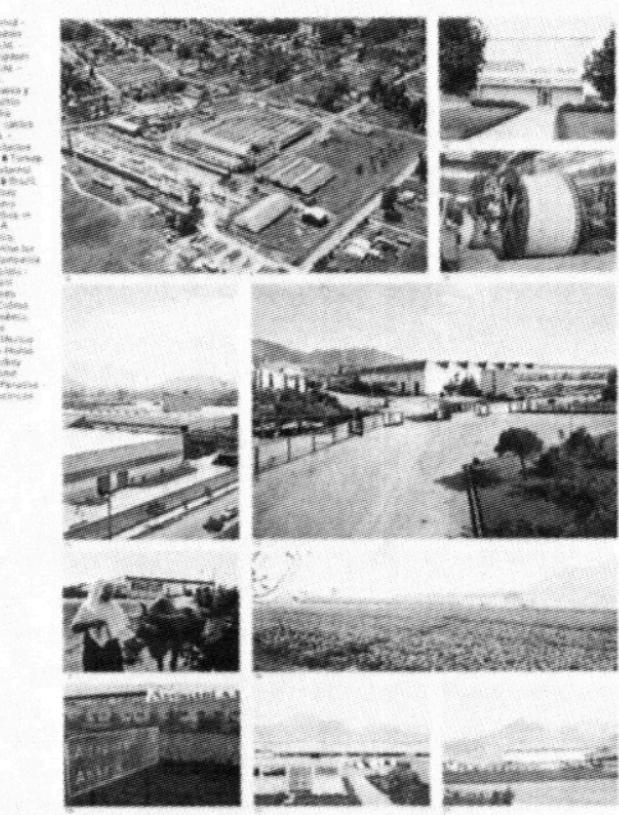
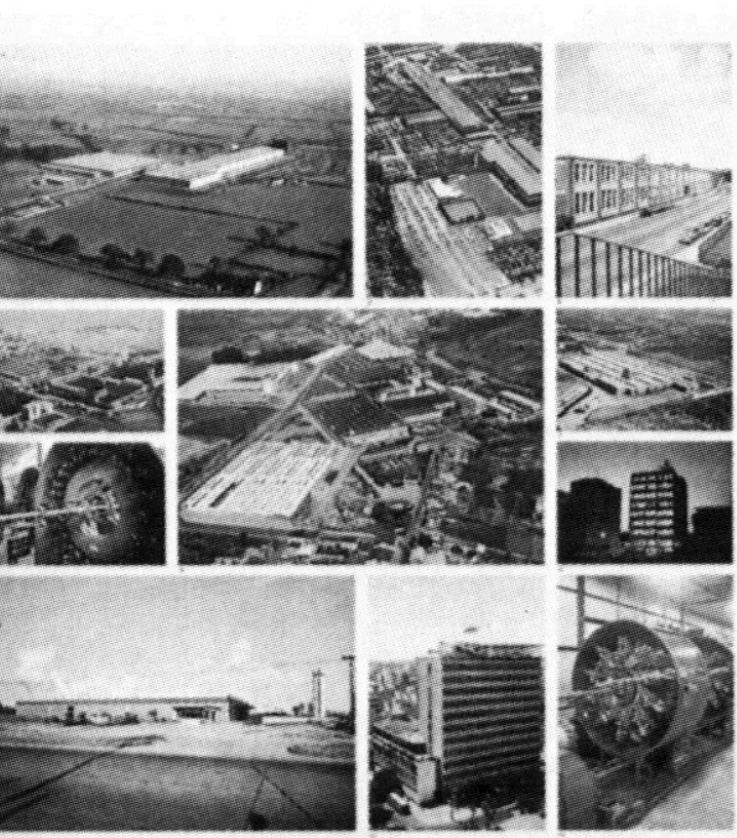
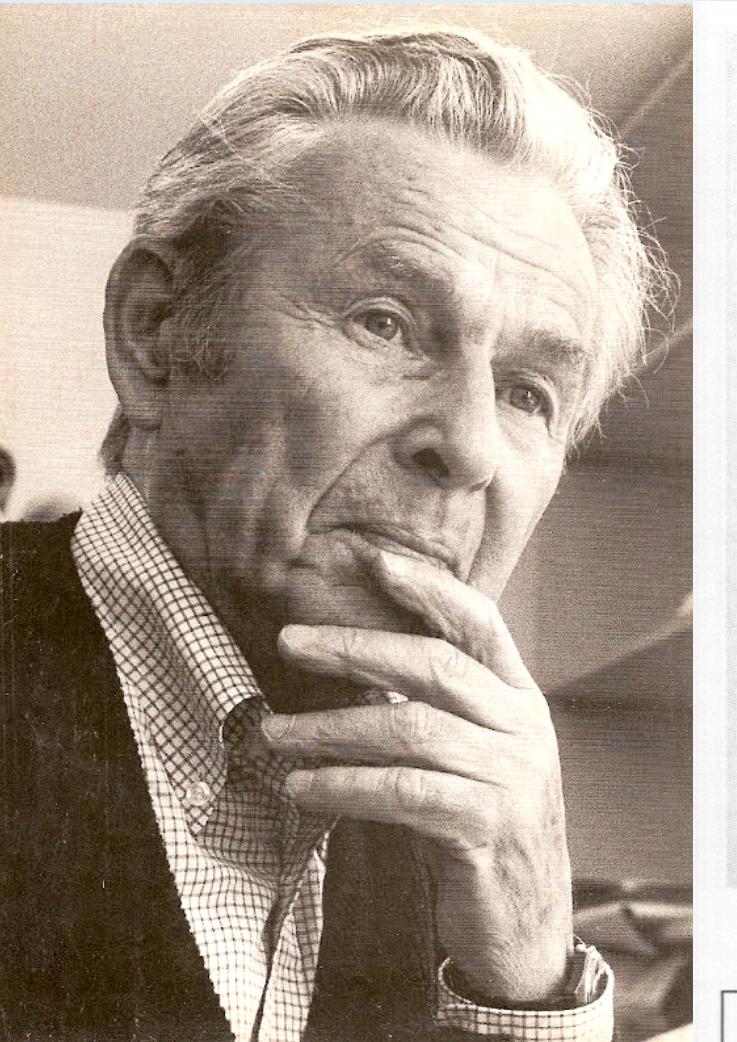
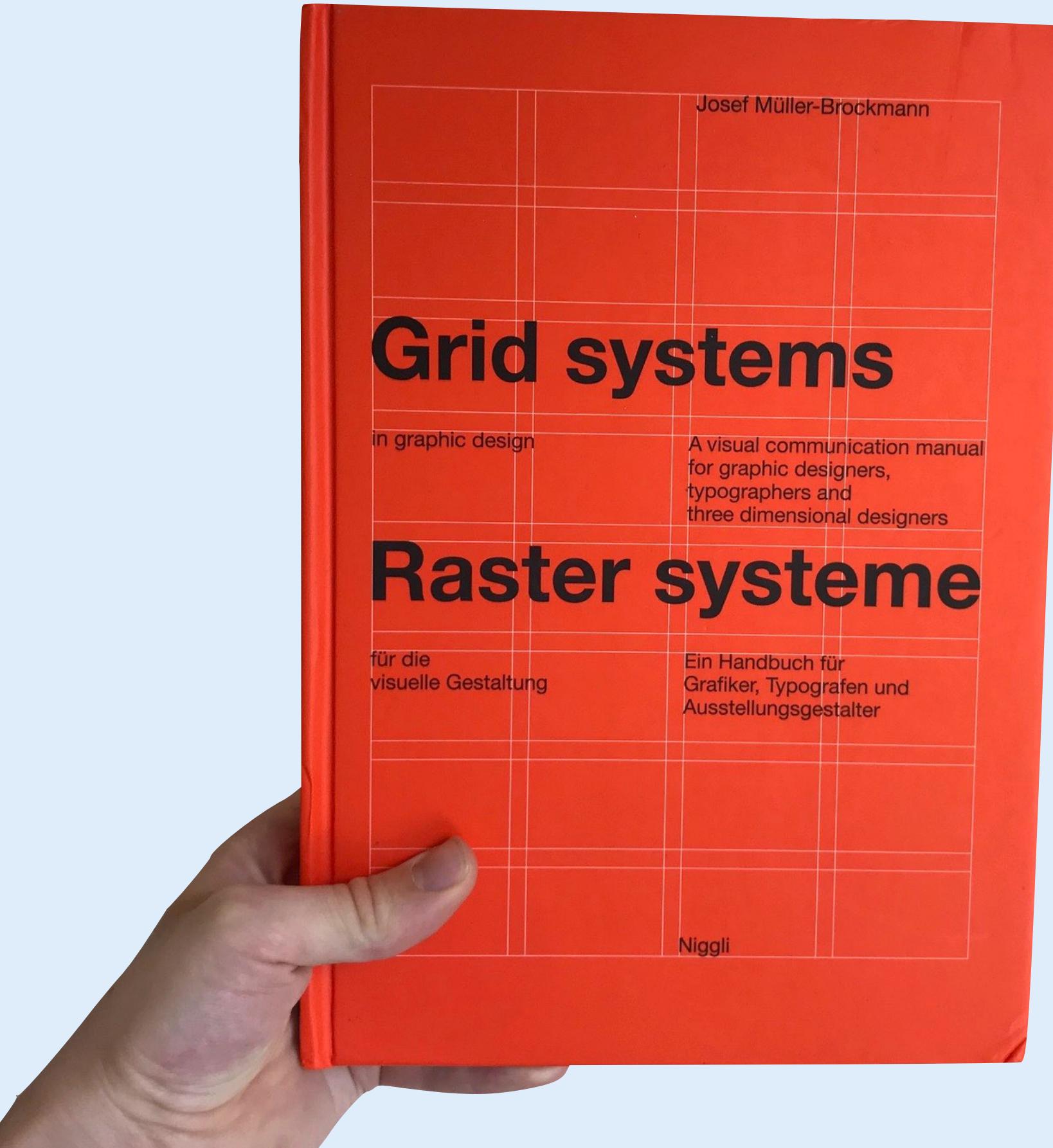
*If we think clearly and approach each task
with a fresh and determined mind, a good
solution will usually result.*

– Jan Tschichold

In: *The New Typography*, 69.

Raster systeme für die visuelle Gestaltung

Josef Müller-Brockmann, 1981



functioneel

logisch

Waarom grids?

ziet er mooier uit

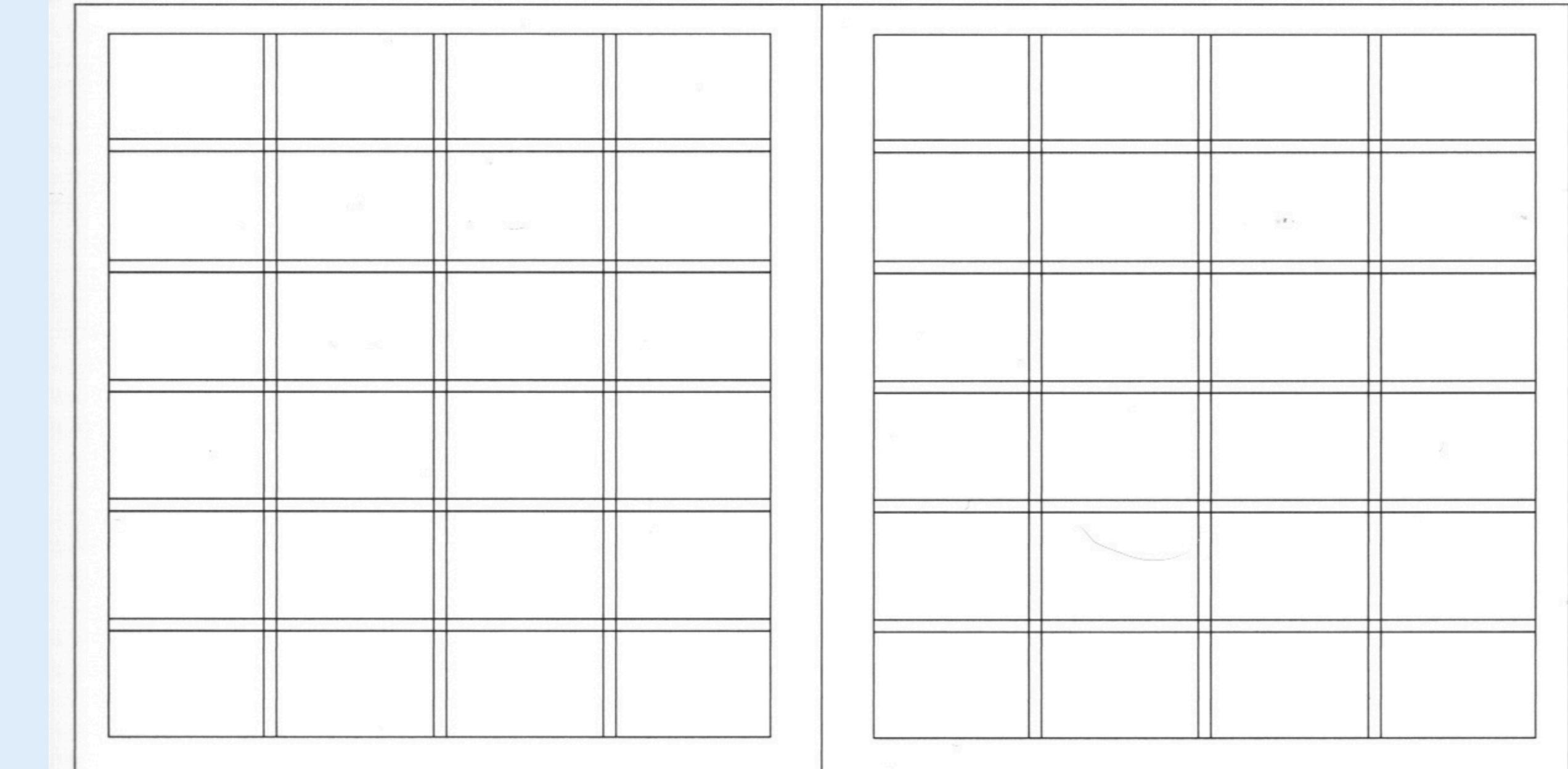
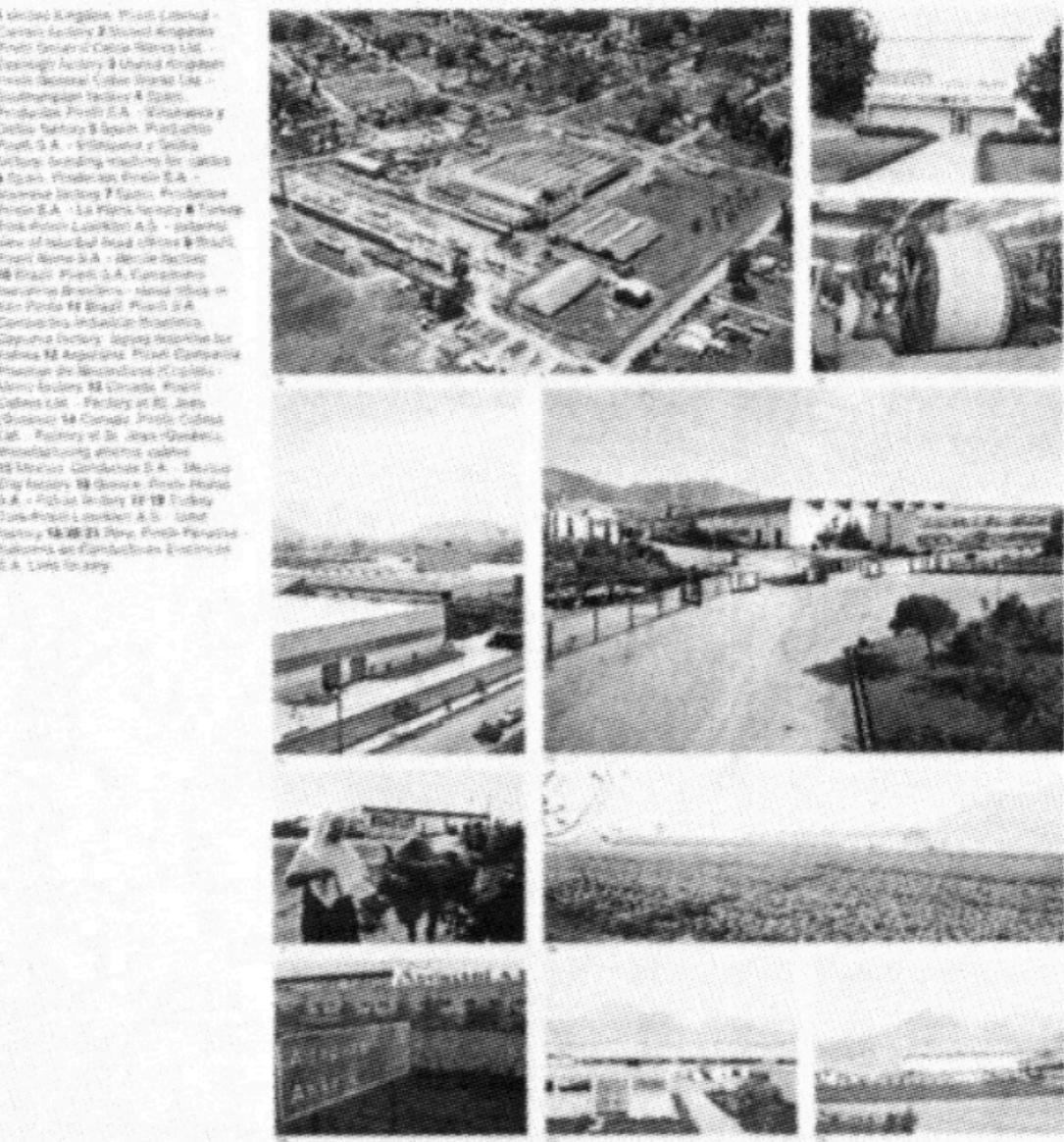
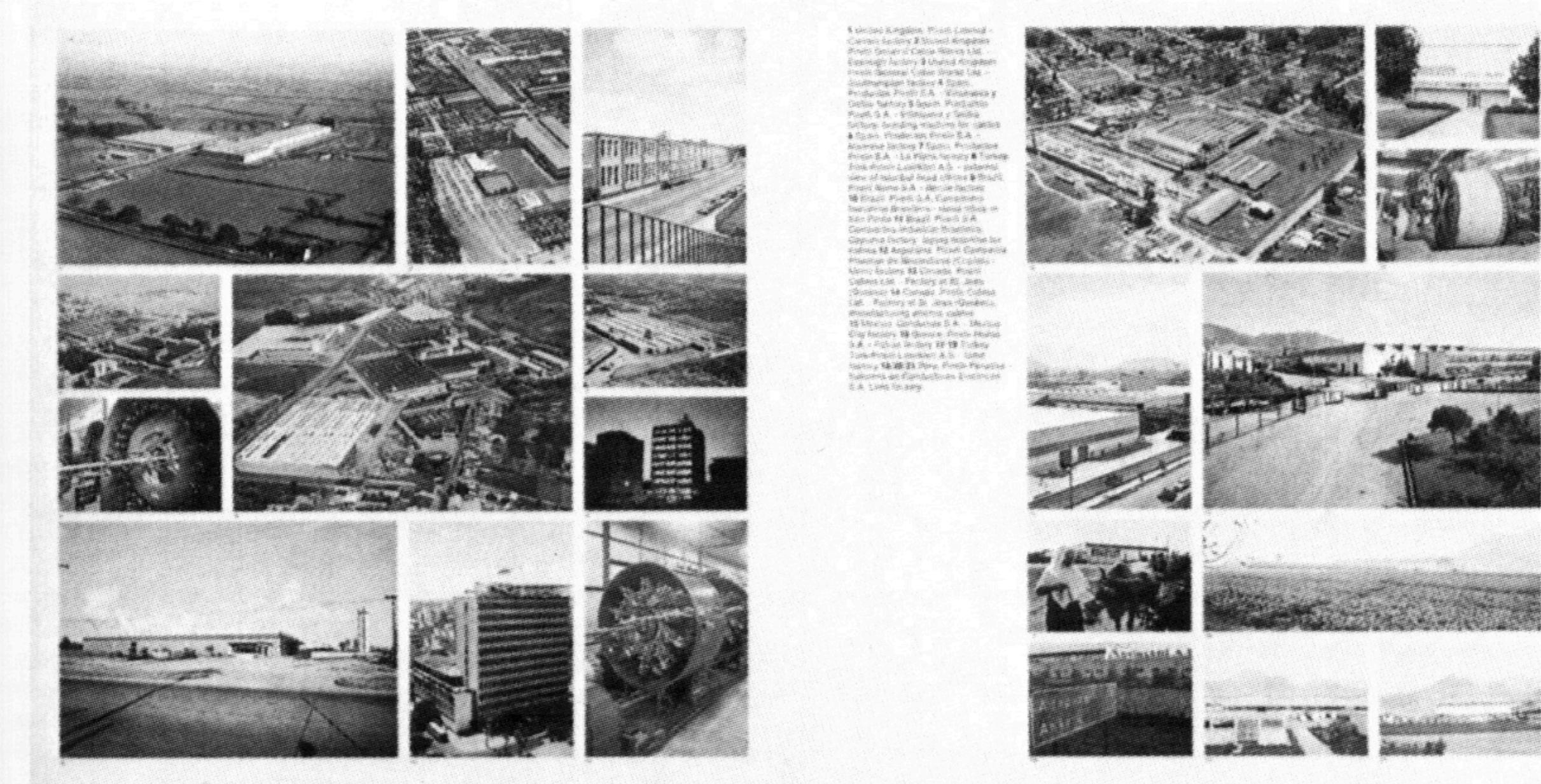
“

The grid makes it easier to give the surface or space a rational organization.

— Joseph Müller-Brockmann

In: *Grid systems* 11.

“Grid fields”



Just as every problem is novel and different from others,
so the grid must be conceived afresh every time so as
to meet requirements. This means that the designer
must approach each new problem with an open mind
and must seek to solve it by analysing it objectively.



Gebruik van proportie voor grootte van grid areas



Gebruik van proportie voor grootte van grid areas



NEU JLphabet

een
potentiële
kans
voor
de
nieuwe
ontwikkeling

een
potentiële
kans
 voor
de
nieuwe
ontwikkeling

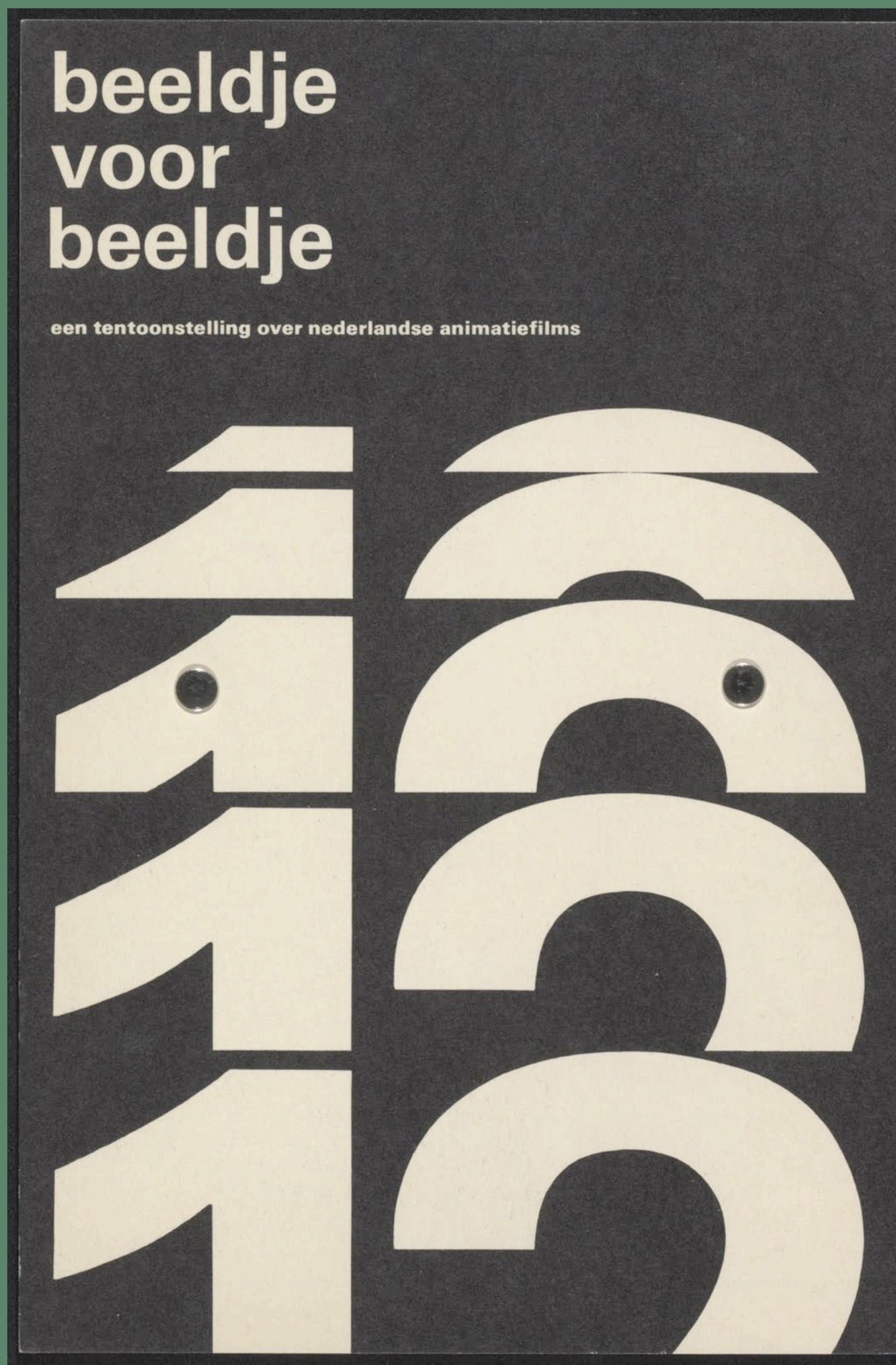
une
potentielle
opportunité
pour
le
nouvelles
développement

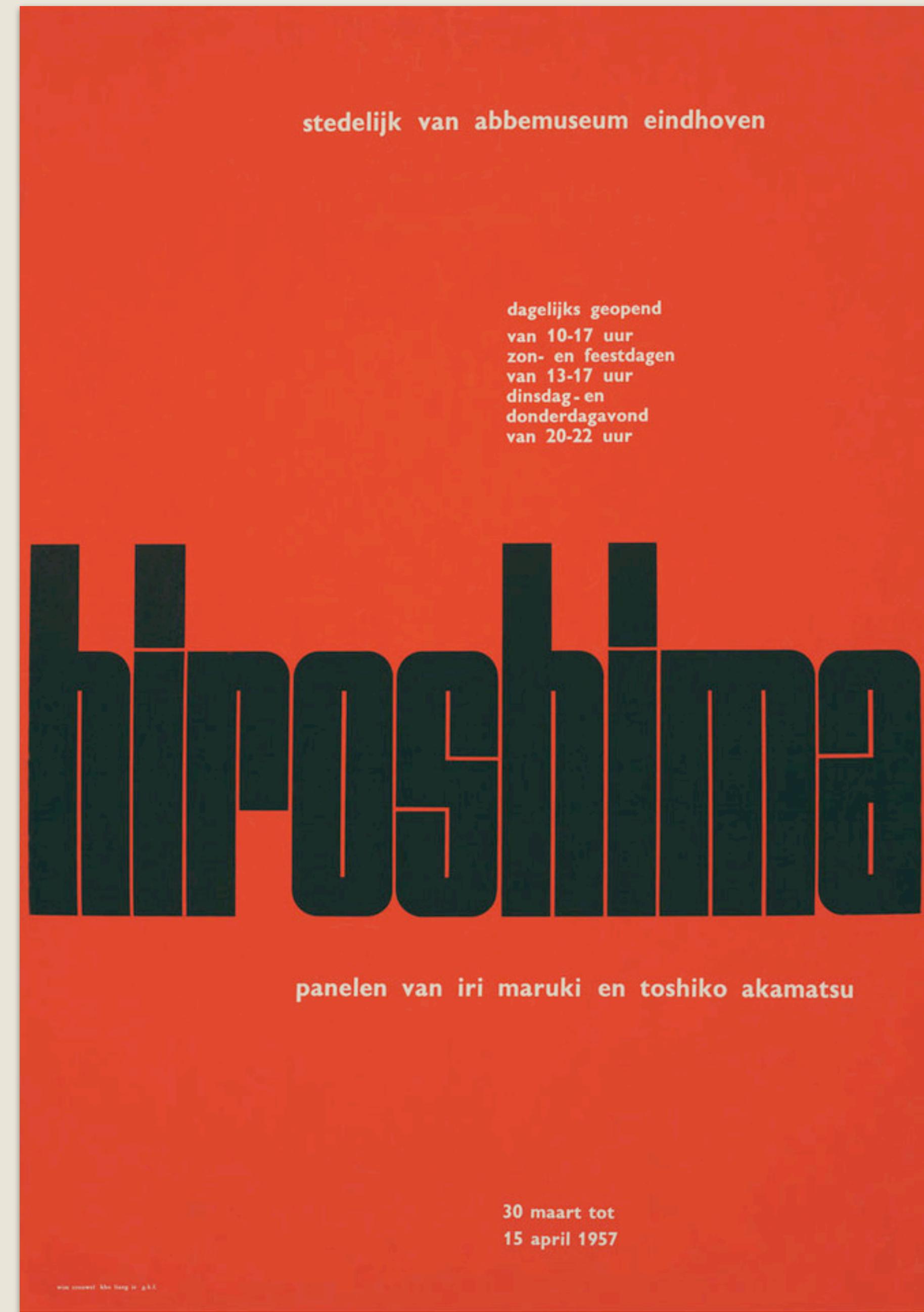
une
potentielle
opportunité
pour
le
nouvelles
entwicklung

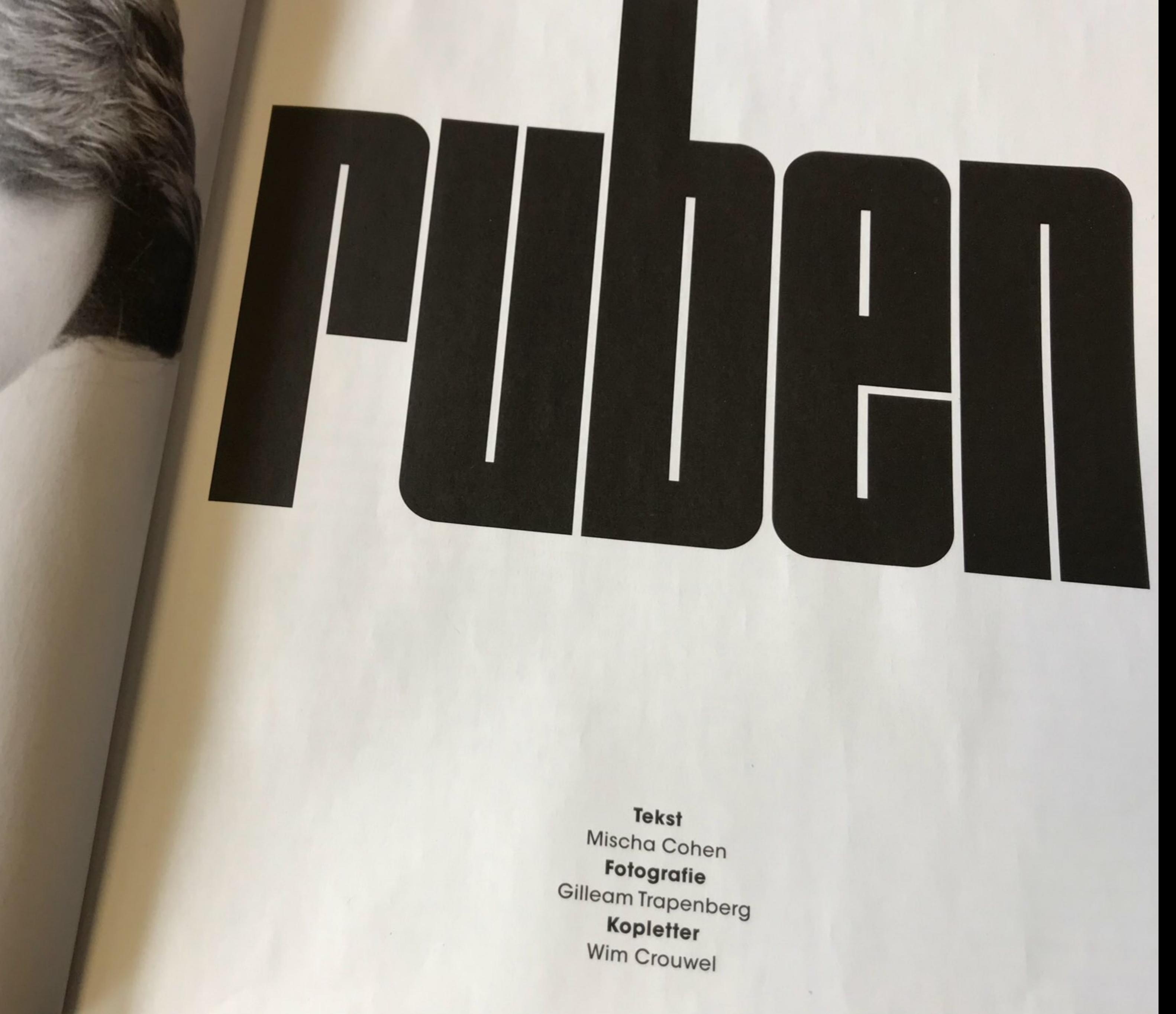
In
Introduction
for

product
development

jbcdefgh
ijklmnop
qrstvwxyz
ijklmnopqrstuvwxyz





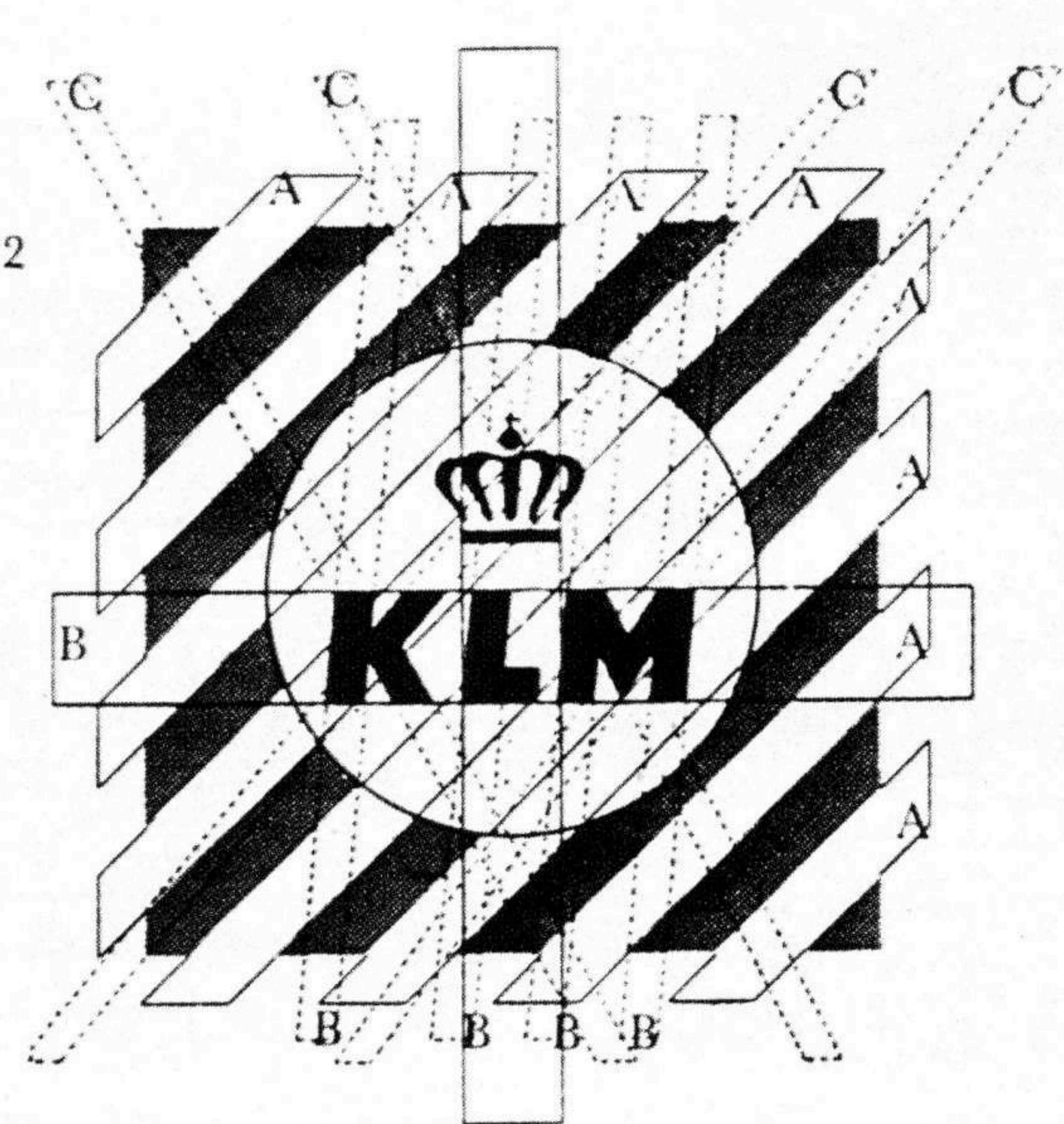


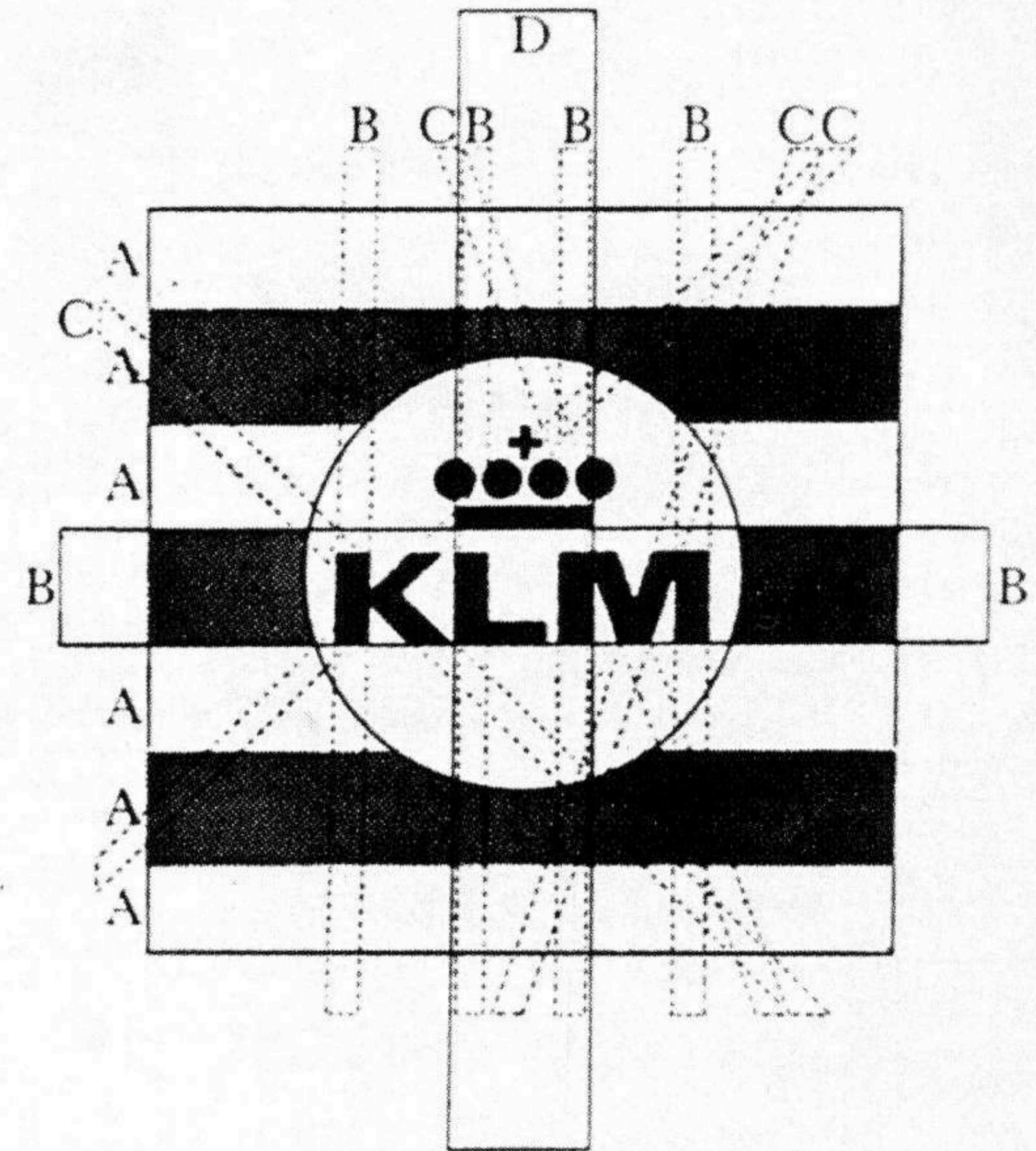
Corporate identities / huisstijlen

Design systems 1.0









1964



1965



1976



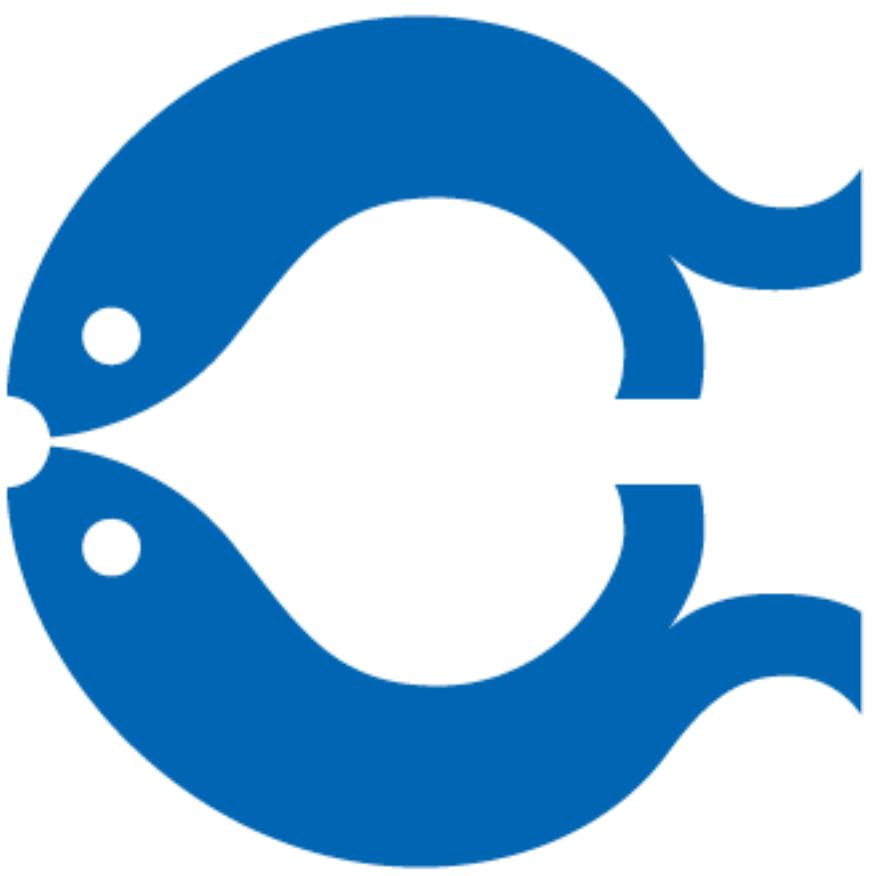
1968



1971



1980





Standaardisering van papiergroottes, kleuren, etc...

Grids gemaakt voor het (automated) verwerken van formulieren

grids

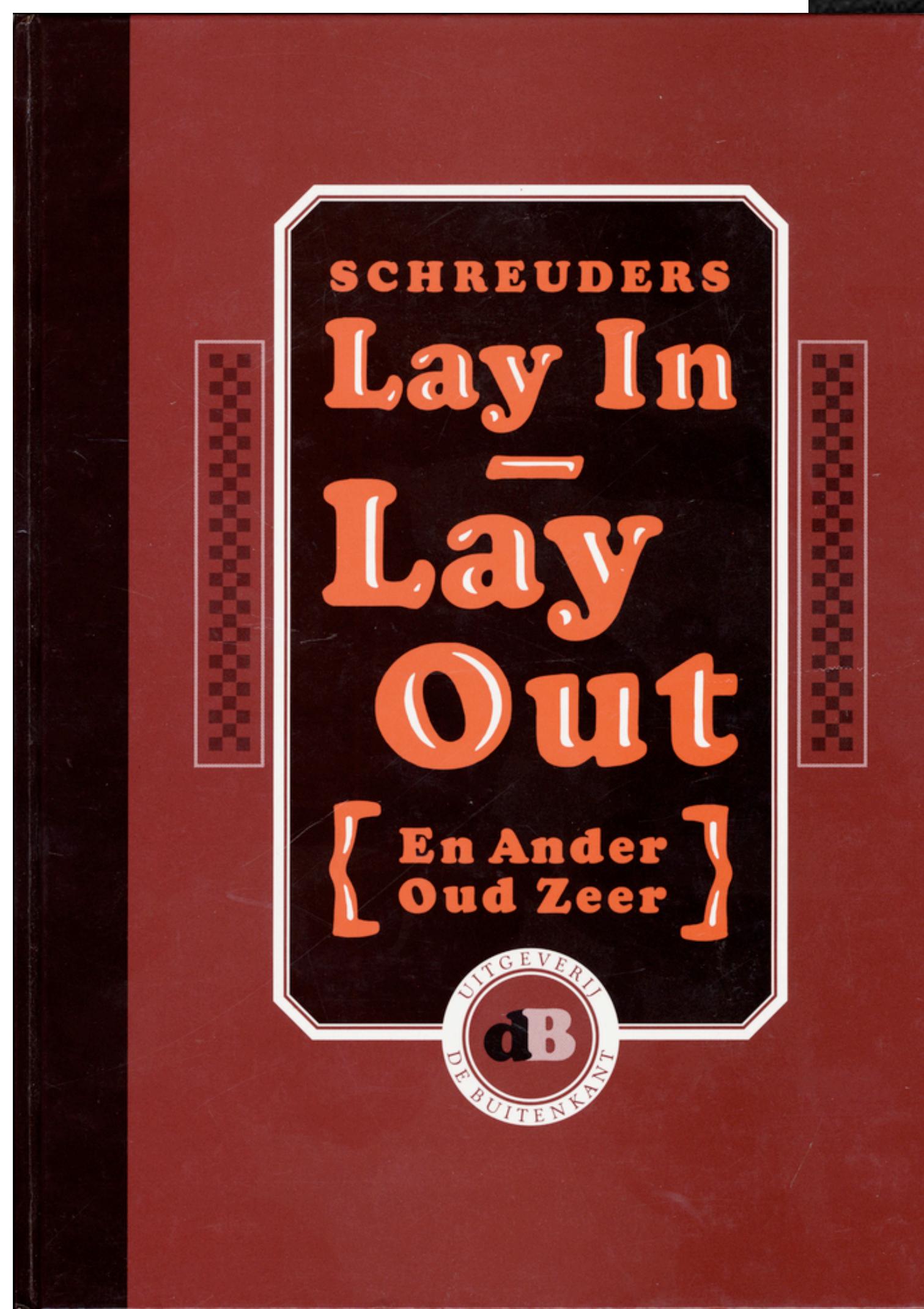
neutrale lettertypes

De revolutie van modernistisch grafisch ontwerp

wiskundige
verhoudingen

function over form

Niet iedereen
was fan.



“

**“TD brengt een stijl als ieder andere. Ik zou het
zelfs een *stijltje* willen noemen”**

– Piet Schreuders

In: Piet Schreuders, *Lay in, lay out.*

“

**“dodelijk saaie affiches van
het Stedelijk Museum”**

– Piet Schreuders

In: Piet Schreuders, *Lay in, lay out.*

Teveel objectiviteit leidt tot hele saaie layouts

(Dit zien we ook op het web)

Laten we de
goede dingen van
modernisme gebruiken

**CSS = regels voor hoe
websites eruit zien**

**Als front-end ontwikkelaar
abstraheer ik ontwerp in
herbruikbare regels**

Geweldig grafisch ontwerp in CSS

A New Canon

December 9th, 2012

Filed in: [personal design](#)
[five-simple-steps](#)

Comments are closed

The evolution of the grid from geometric form and canons of page construction is quite clear. In no other period of history was the grid used as a core aesthetic as was in the 1950s and 60s where it emerged – almost simultaneously – from several design schools in Europe. From then, the grid system's influence has been pervasive.

Today, the grid is viewed by many designers with equal amounts of disdain and fervore. Its detractors – and there are many – claim a grid system is visual straight-jacket, designed to inhibit creativity and that using one produces dull work. Of course, I think that's rubbish; there are no bad grids, just bad designers. In the hands of a competent designer, a well-constructed, considered grid system is the frame on which the fabric of the design is hung. It should create balance, provide landmarks and visual cues. It should allow the designer to exercise just the right amount of creativity and provide immediate answers to layout problems.

Canvas In

For the past 800 years, the printed page has been constructed in pretty much the

Variabele fonts

FLOATS die niet
vierkant zijn

box-sizing: border-box

Blend Modes

Controle over
woordafbreking

HSL kleuren

object-fit

Nieuwe layout modes: flexbox en grid

Gelijke hoogten

Style

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Style

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Style

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Style

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

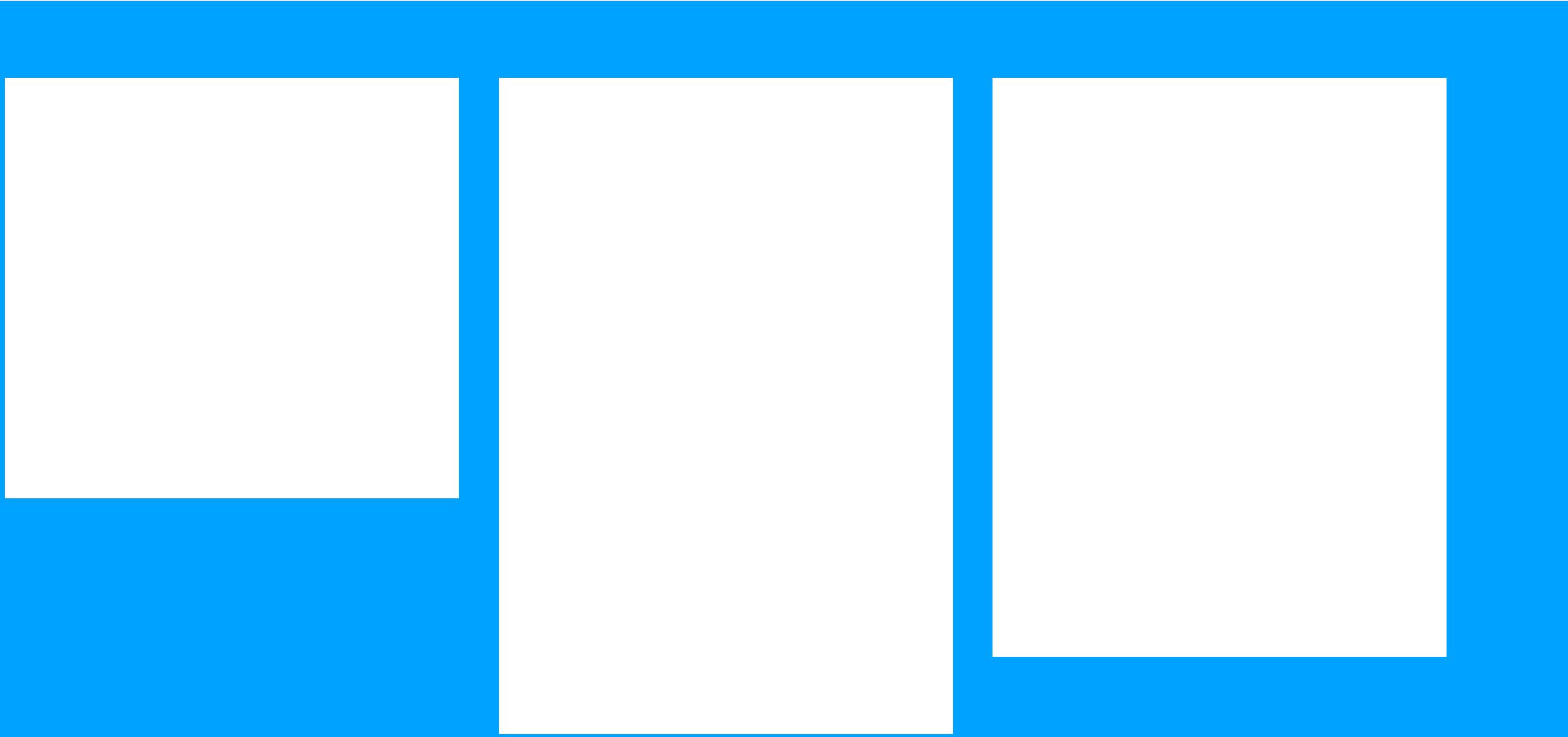
Style

Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment. Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment. Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition.

A longer heading

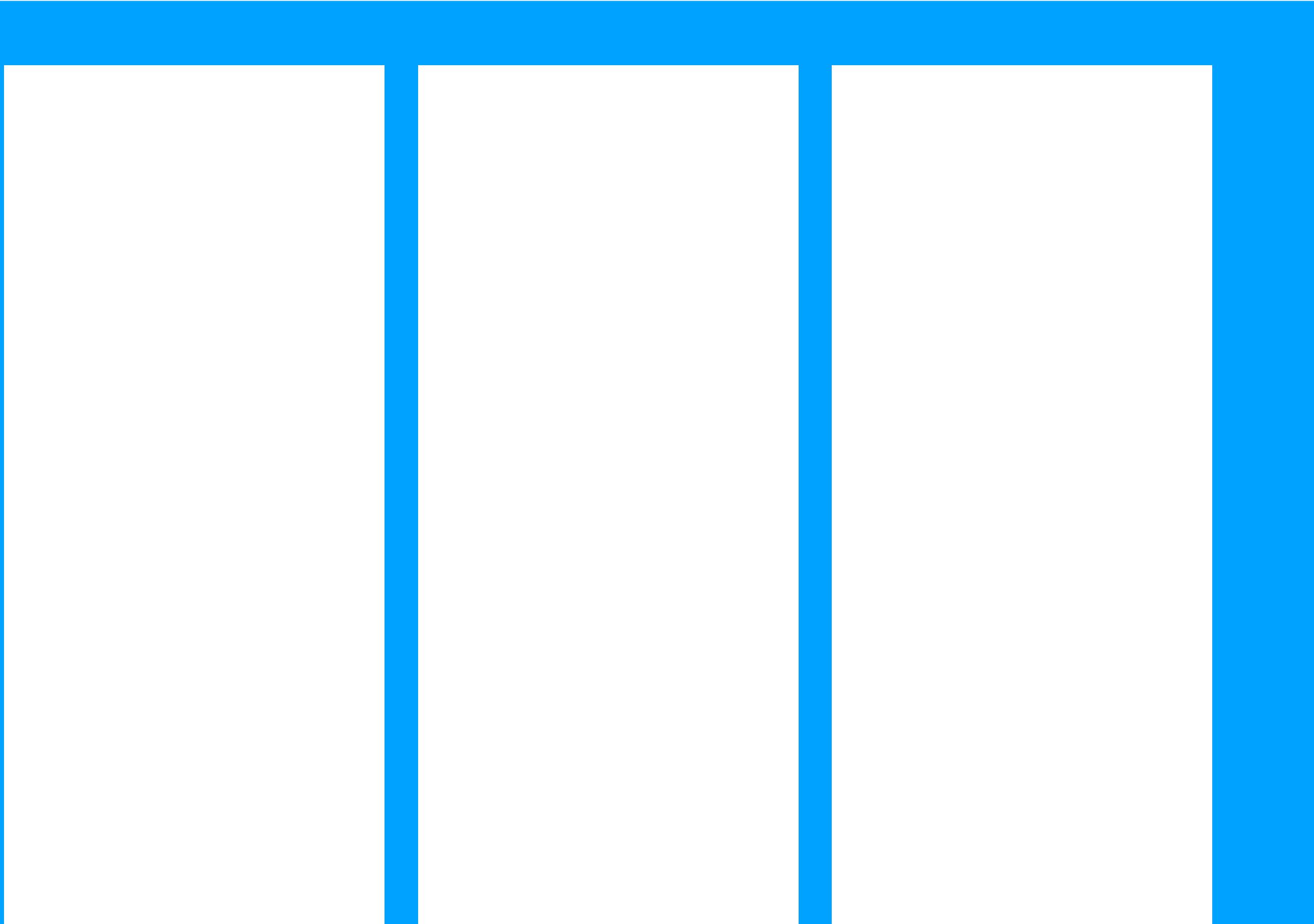
Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Stretch als default



```
.container {  
  display: flex;  
  
  // not default  
  align-items: flex-start;  
}
```

Stretch als default



```
.container {  
  display: flex;  
  
  // the default  
  align-items: stretch;  
}
```

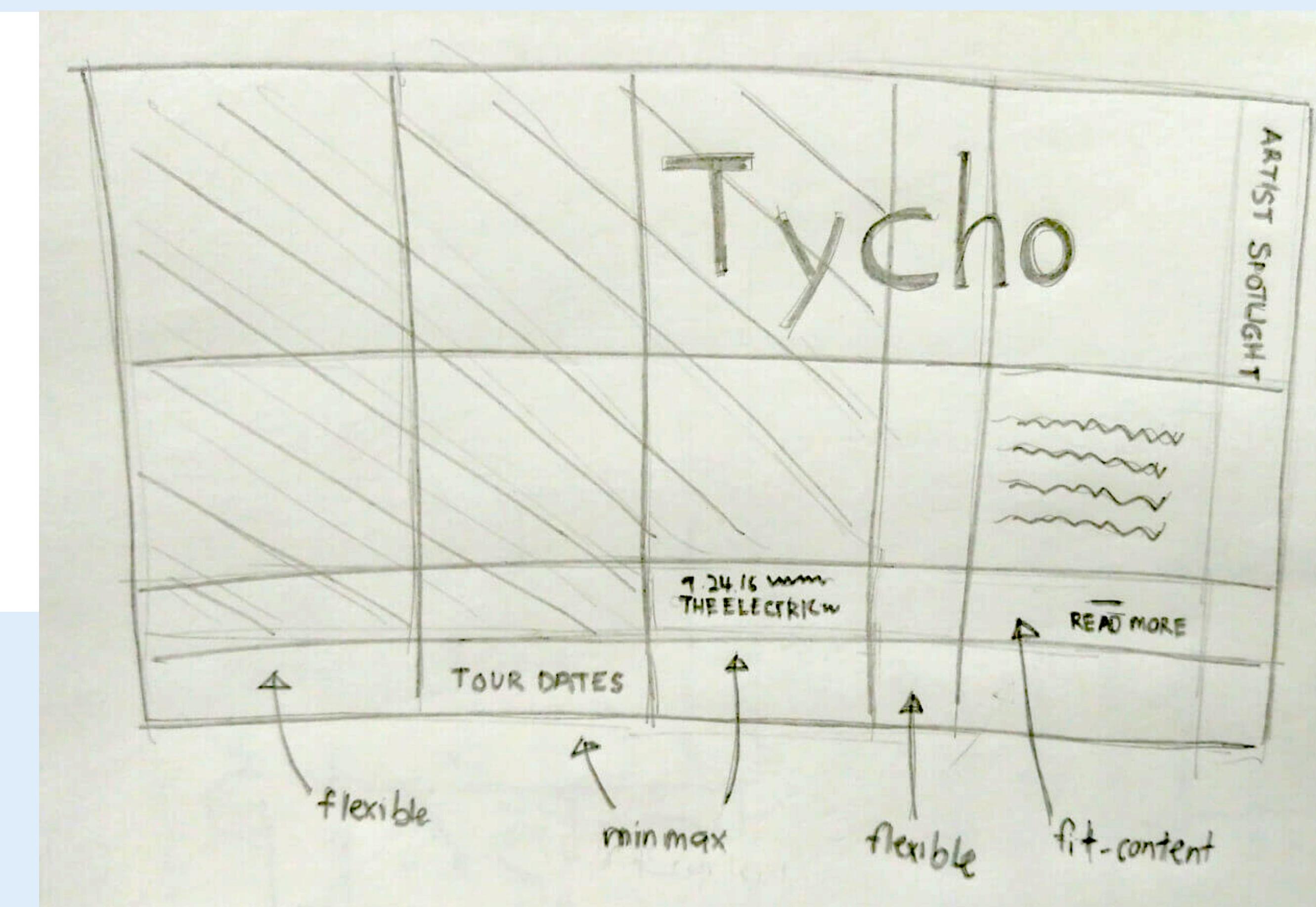
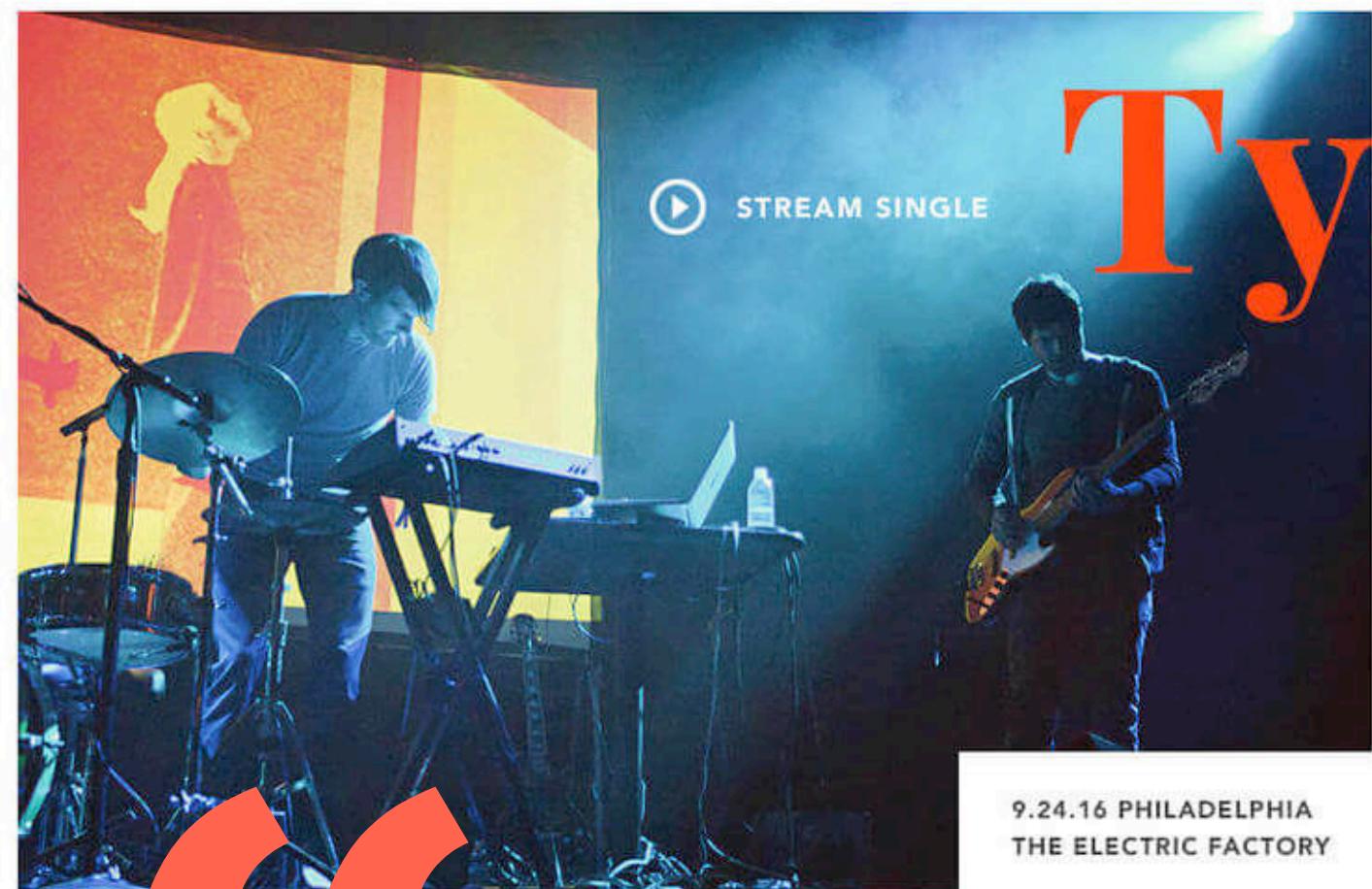
Witruimte en bewuste plaatsing

“

Pencil and paper is cheap and quick. It lets me iterate in my head how I want my tracks to behave, while helping me visualise the final effect.

– Hui Jing Chen, “How I design with CSS Grid”

<https://www.chenhuijing.com/blog/how-i-design-with-css-grid>



Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

Collaboratively administrate empowered markets via plug-and-play networks.

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

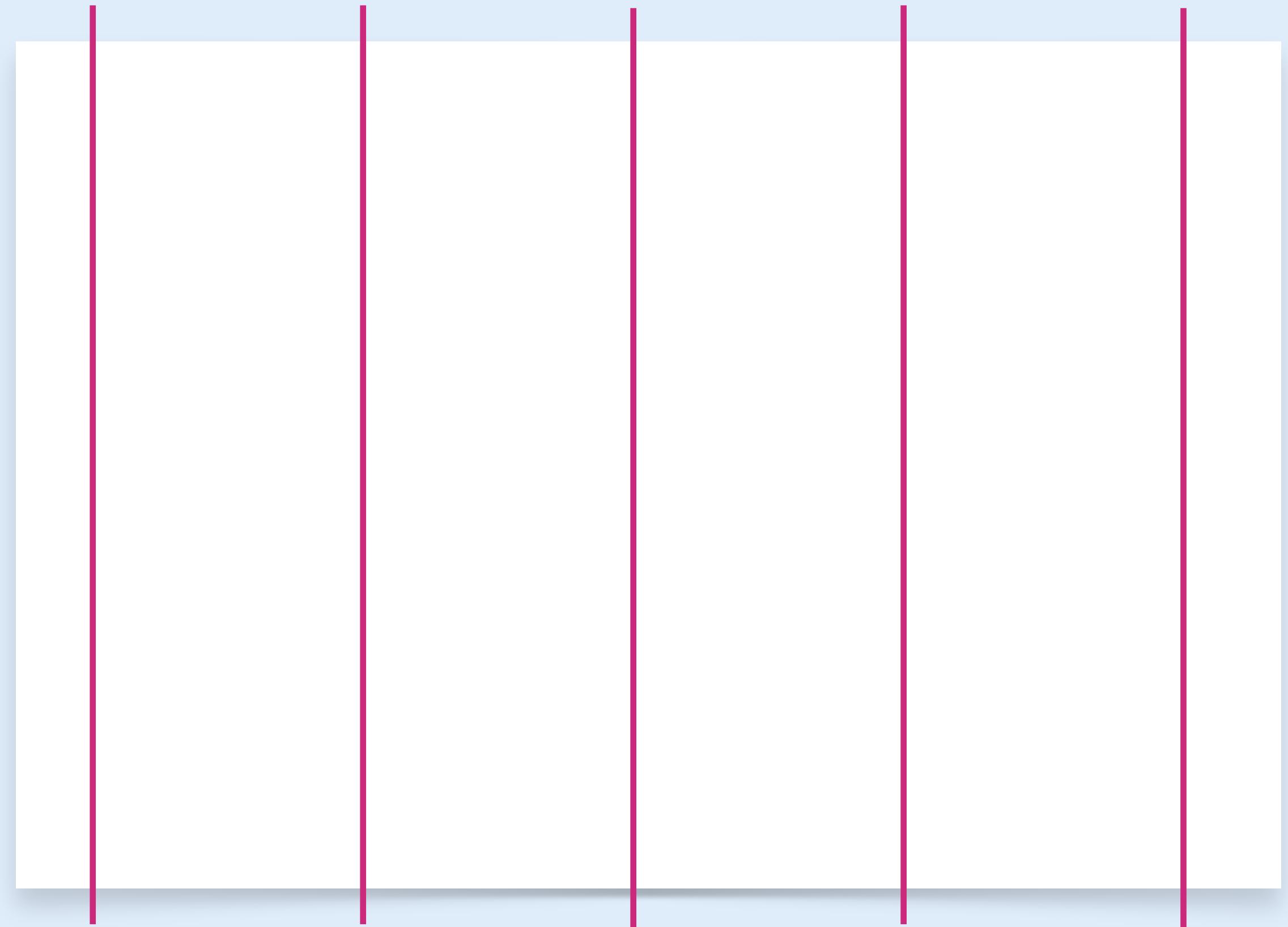
Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

Collaboratively administrate empowered markets via plug-and-play networks. Dynamically procrastinate B2C users after installed base benefits. Dramatically visualize customer directed convergence without revolutionary ROI.

```
<div class="container">  
  <p>(...)</p>  
  <p>(...)</p>  
  <p>(...)</p>  
  <p>(...)</p>  
</div>
```



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

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Collaboratively administrate empowered markets via plug-and-play networks. Dynamically procrastinate B2C users after installed base benefits. Dramatically visualize customer directed convergence without revolutionary ROI.

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Collaboratively administrate empowered markets via plug-and-play networks. Dynamically procrastinate B2C users after installed base benefits. Dramatically visualize customer directed convergence without revolutionary ROI.

```
<div class="container">  
  <p>(...)</p>  
  <p>(...)</p>  
  <p>(...)</p>  
  <p>(...)</p>  
</div>
```

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment. Bring to the table

```
<div class="container">
  <div class="content">
    <p>(...)</p>
    <p>(...)</p>
    <p>(...)</p>
    <p>(...)</p>
  </div>
</div>
```

1	2	3	4	5
		<p>Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.</p> <p>Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for</p>		

```
.content {  
  grid-column: 2 / 4;  
}
```

1	2	3	4	5
		<p>Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.</p> <p>Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for</p>		

```
.content {  
  grid-column: 3 / 5;  
}
```

1	2	3	4	5
		Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.		
		Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.		
		Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.		

```
.content {  
  grid-column: 2 / 5;  
}
```

In Grid Layout is een
ruimte leeglaten net zo
makkelijk als 'm vullen

**Je kunt met Grid Layout dus
bewuste keuzes maken over
plaatsing en witruimte**

“

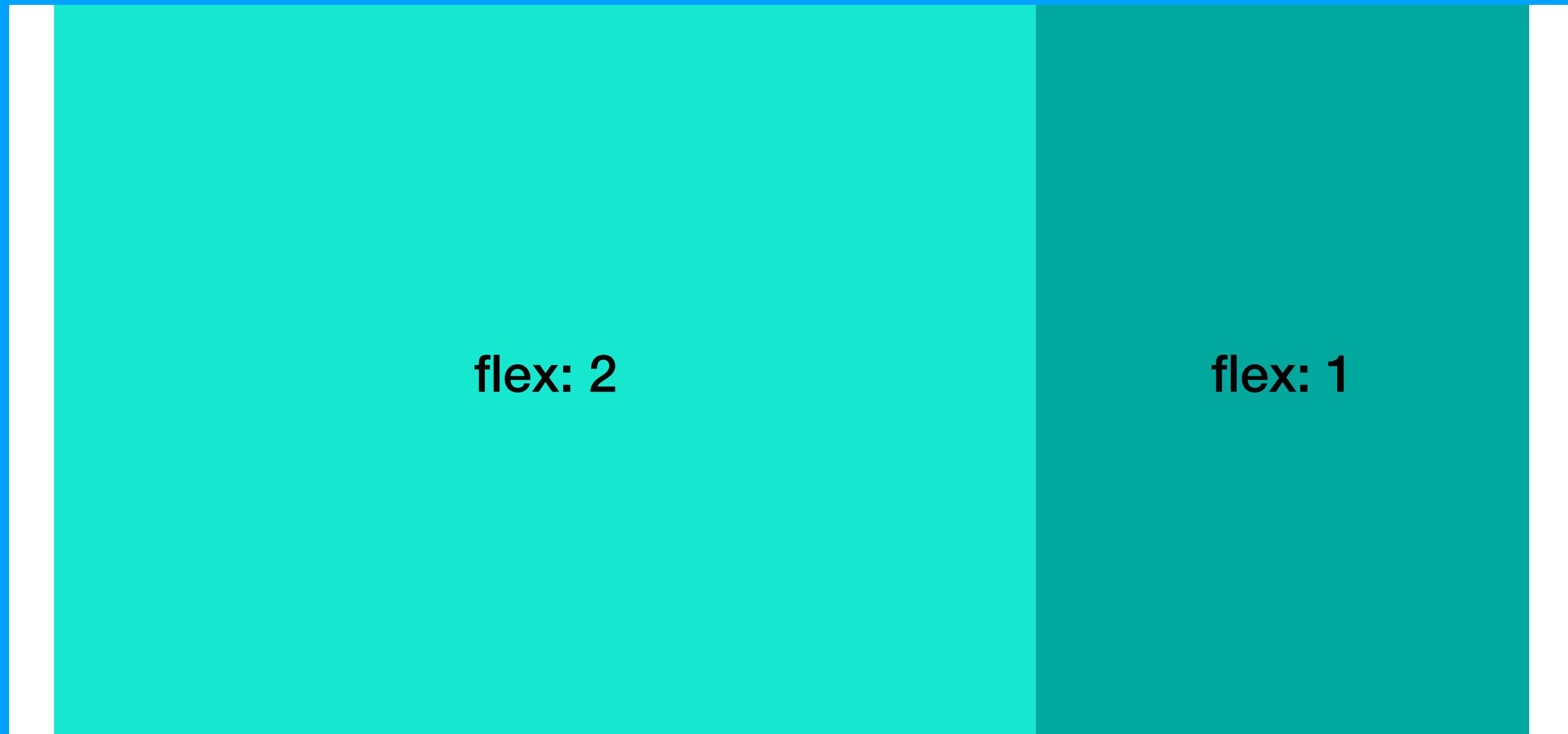
a webpage [...] doesn't have one single composition

– Vasilis van Gemert, “Layout is like a sculpture”

<https://vasilis.nl/nerd/layout-on-screen-is-like-a-sculpture/>

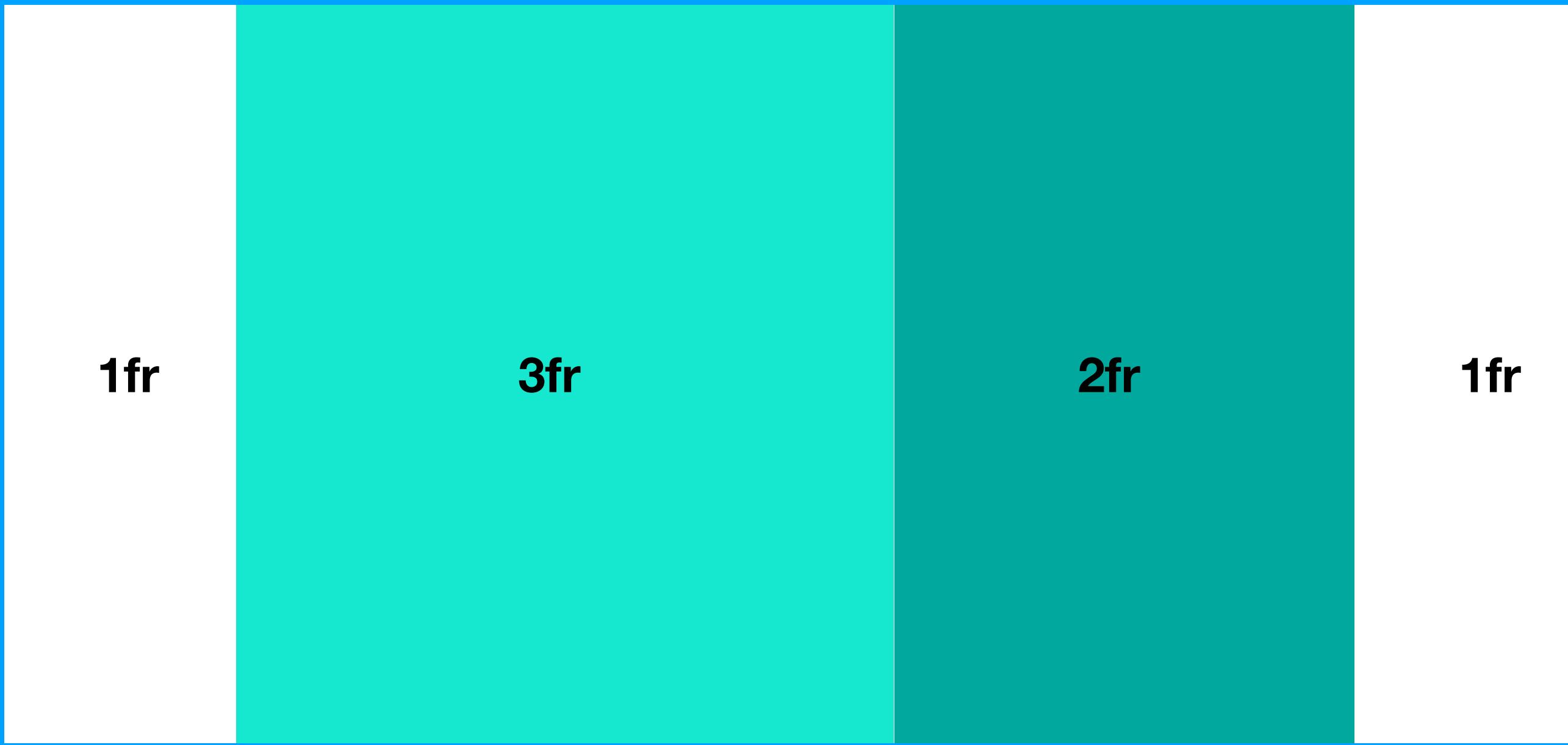
Wiskundige verhoudingen

Triviale ratio's: flexbox



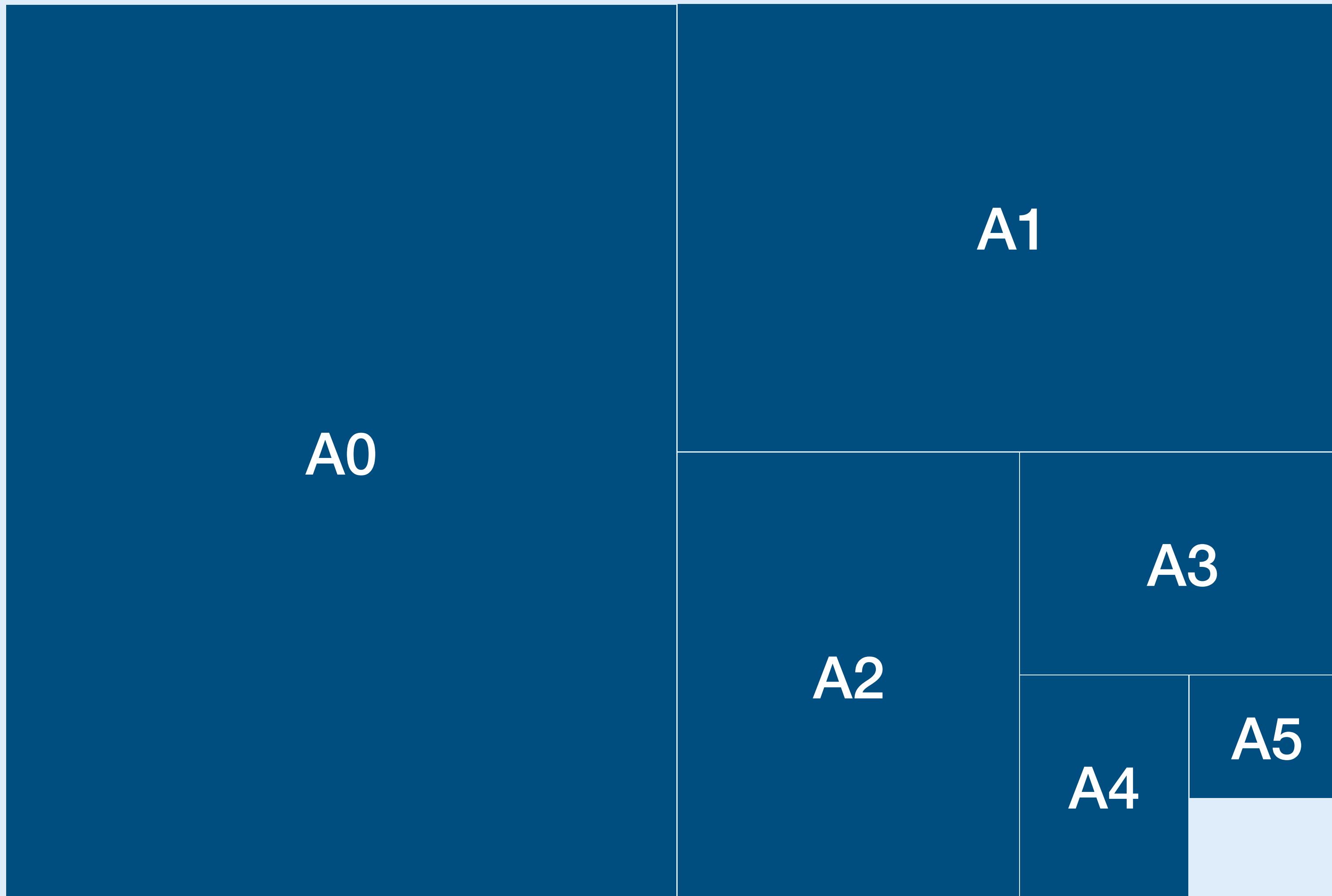
```
.container {  
  display: flex;  
}  
  
#item-1 {  
  flex: 2;  
}  
  
#item-2 {  
  flex: 1;  
}
```

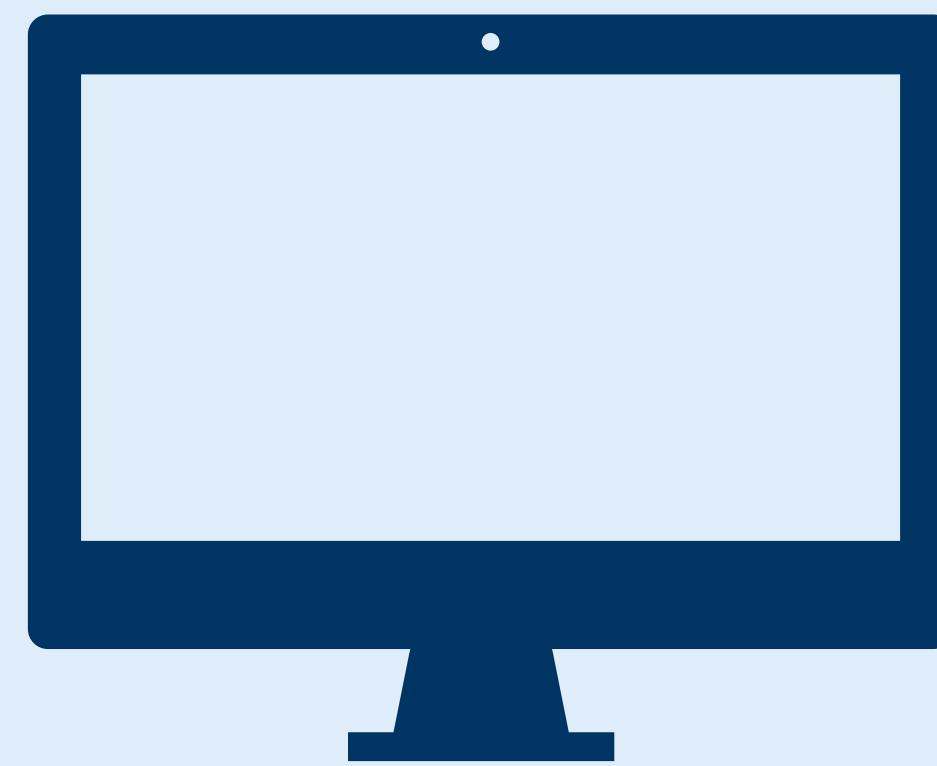
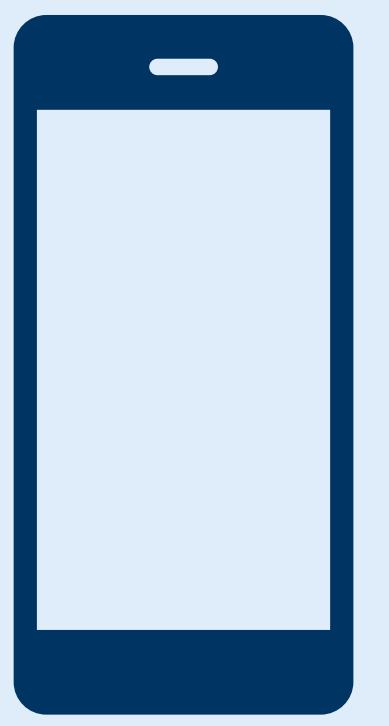
Triviale ratio's: grid



```
.container {  
  display: grid;  
  grid-template-columns:  
    1fr 3fr 2fr 1fr;  
}
```

In verhouding tot
gestandaardiseerde
papiergroottes





In verhouding tot gestandaardiseerde

viewport

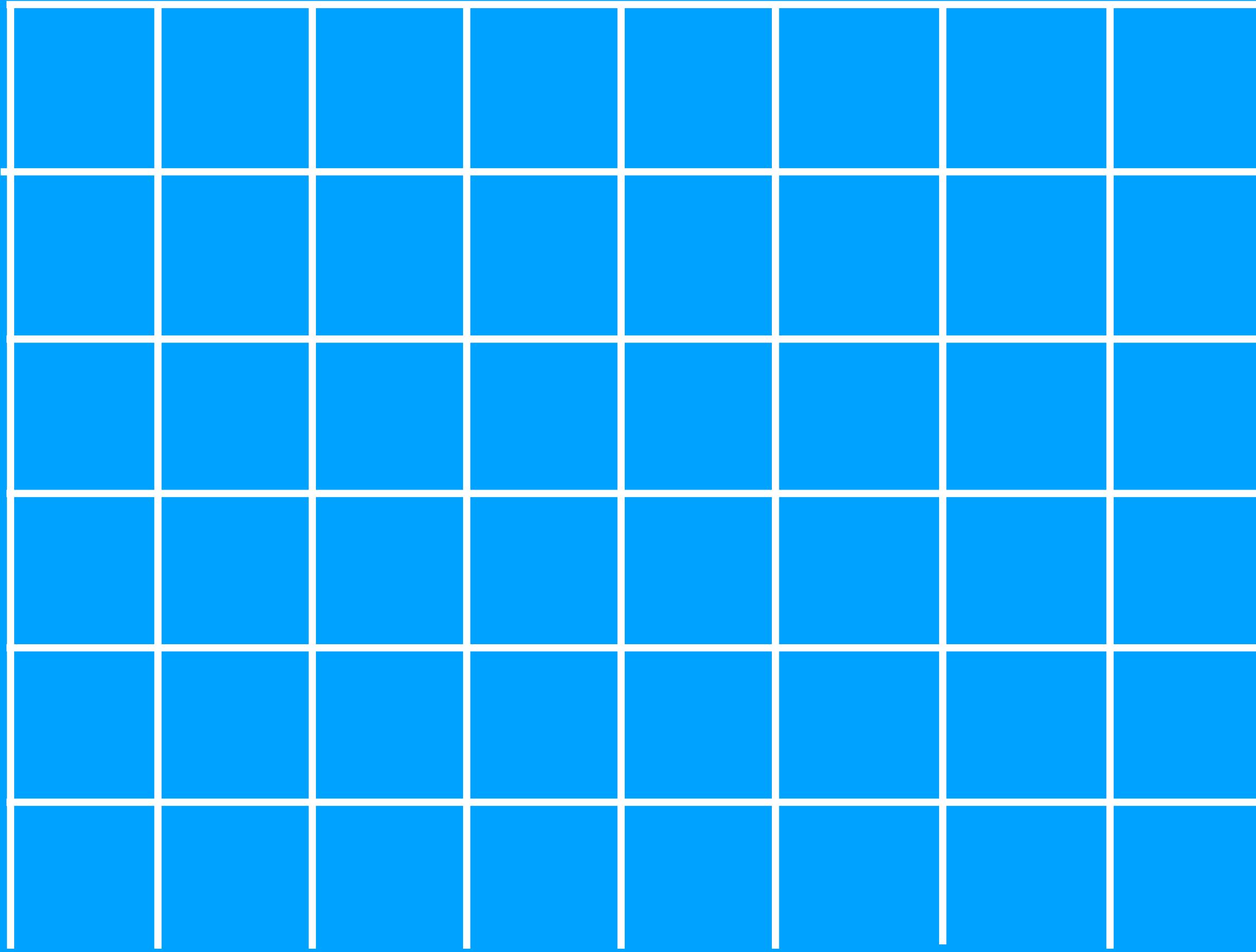
In verhouding tot

elke willekeurige

viewport

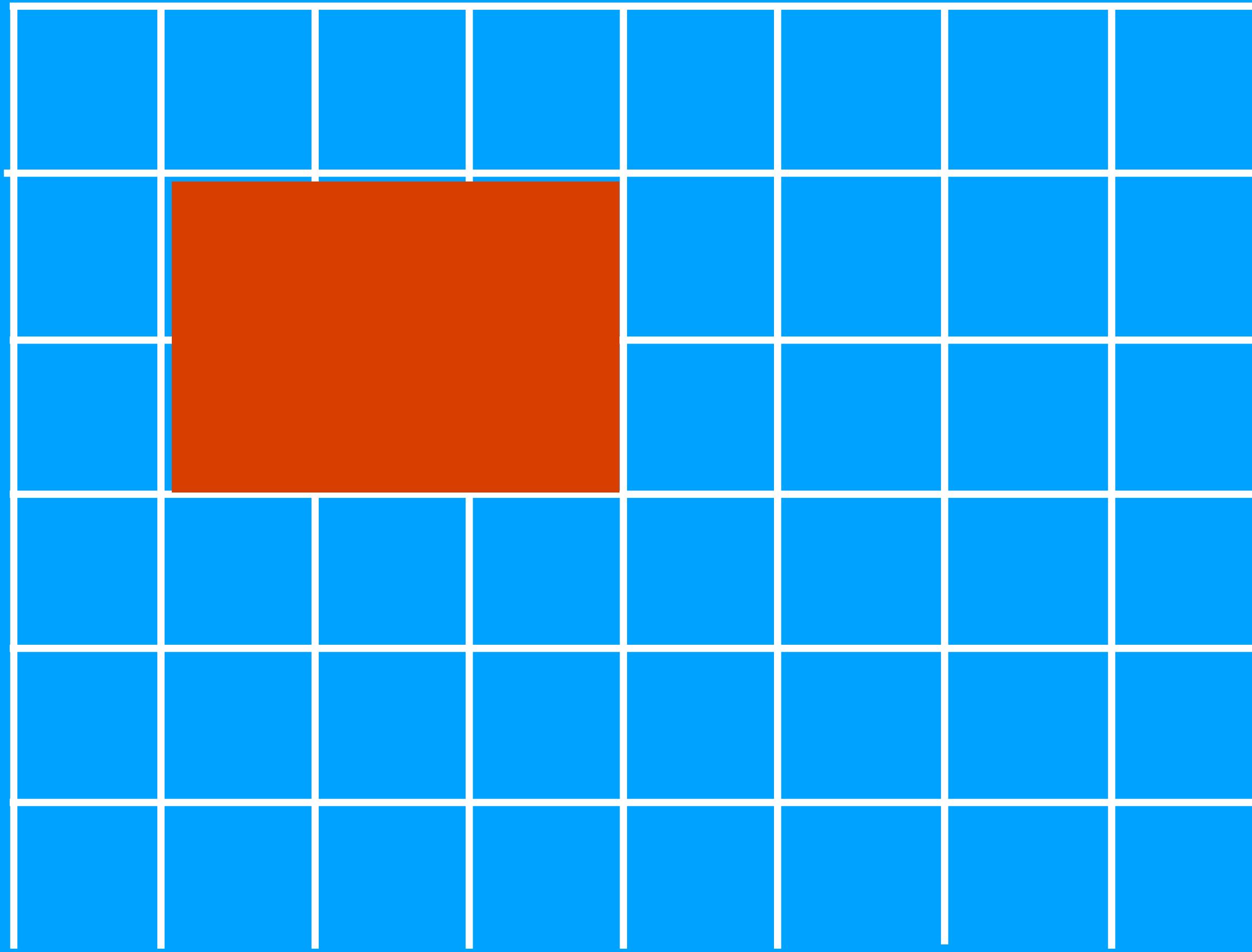
Viewport units: vw, vh

Een grid met viewport units



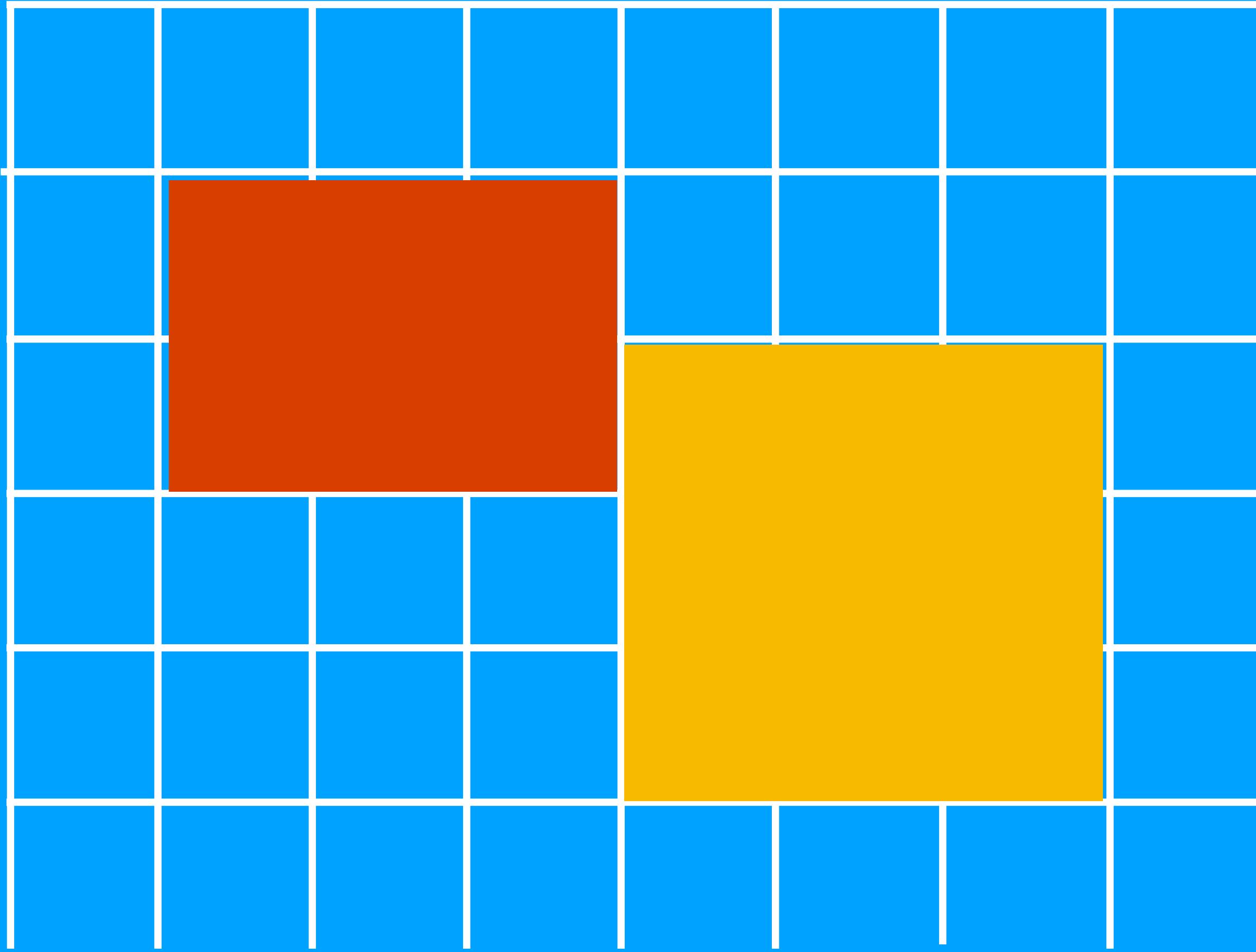
```
.container {  
  display: grid;  
  grid-template-columns:  
    repeat( 8, 12.5vw );  
  grid-template-rows:  
    repeat( 8, 12.5vh );  
}
```

Een grid met viewport units



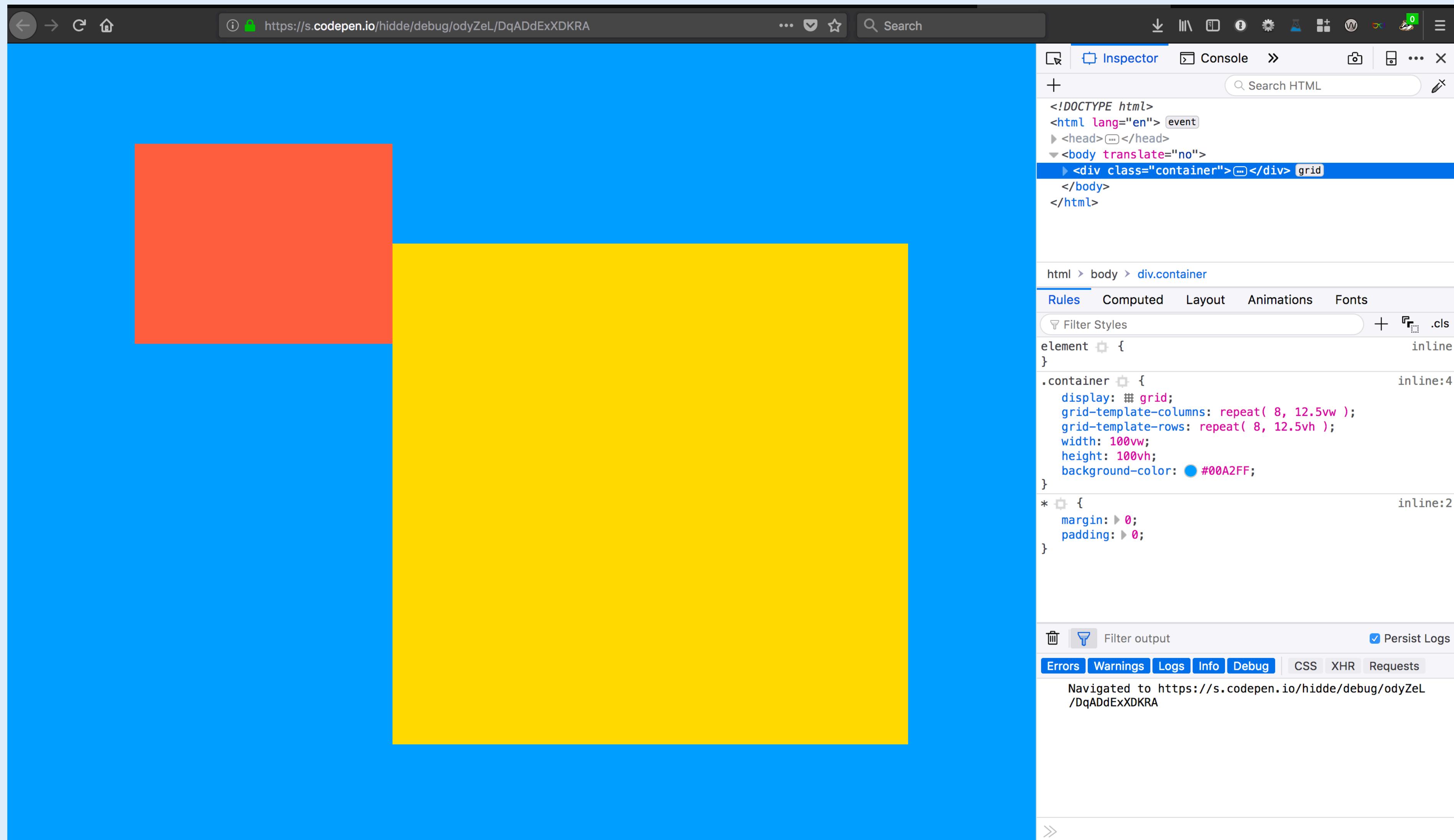
```
.tomato {  
    grid-column: 2 / 4;  
    grid-row: 2 / 4;  
    background: tomato;  
}
```

Een grid met viewport units

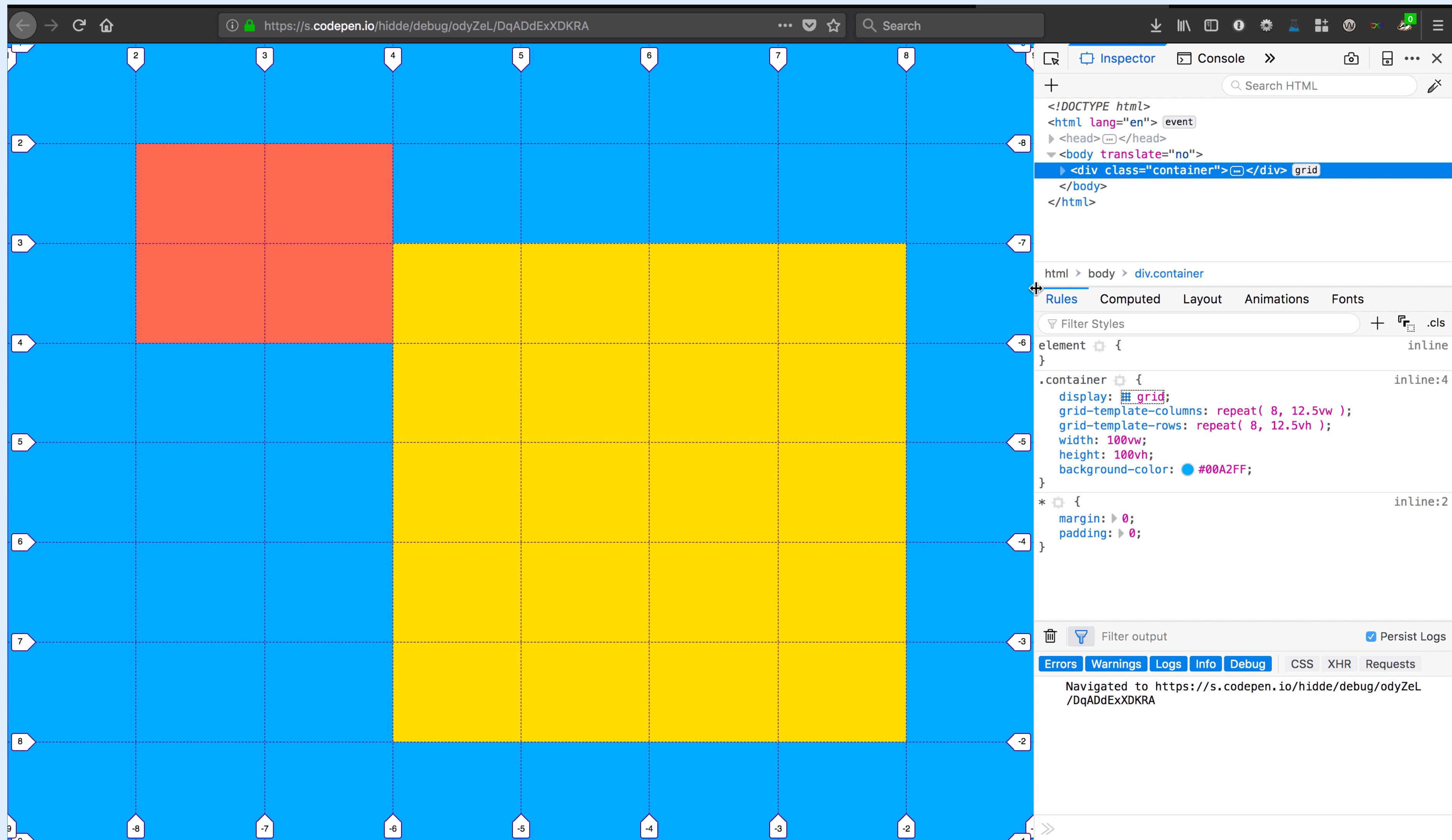


```
.gold {  
    grid-column: 4 / 8;  
    grid-row: 3 / 8;  
    background: gold;  
}
```

Een grid met viewport units

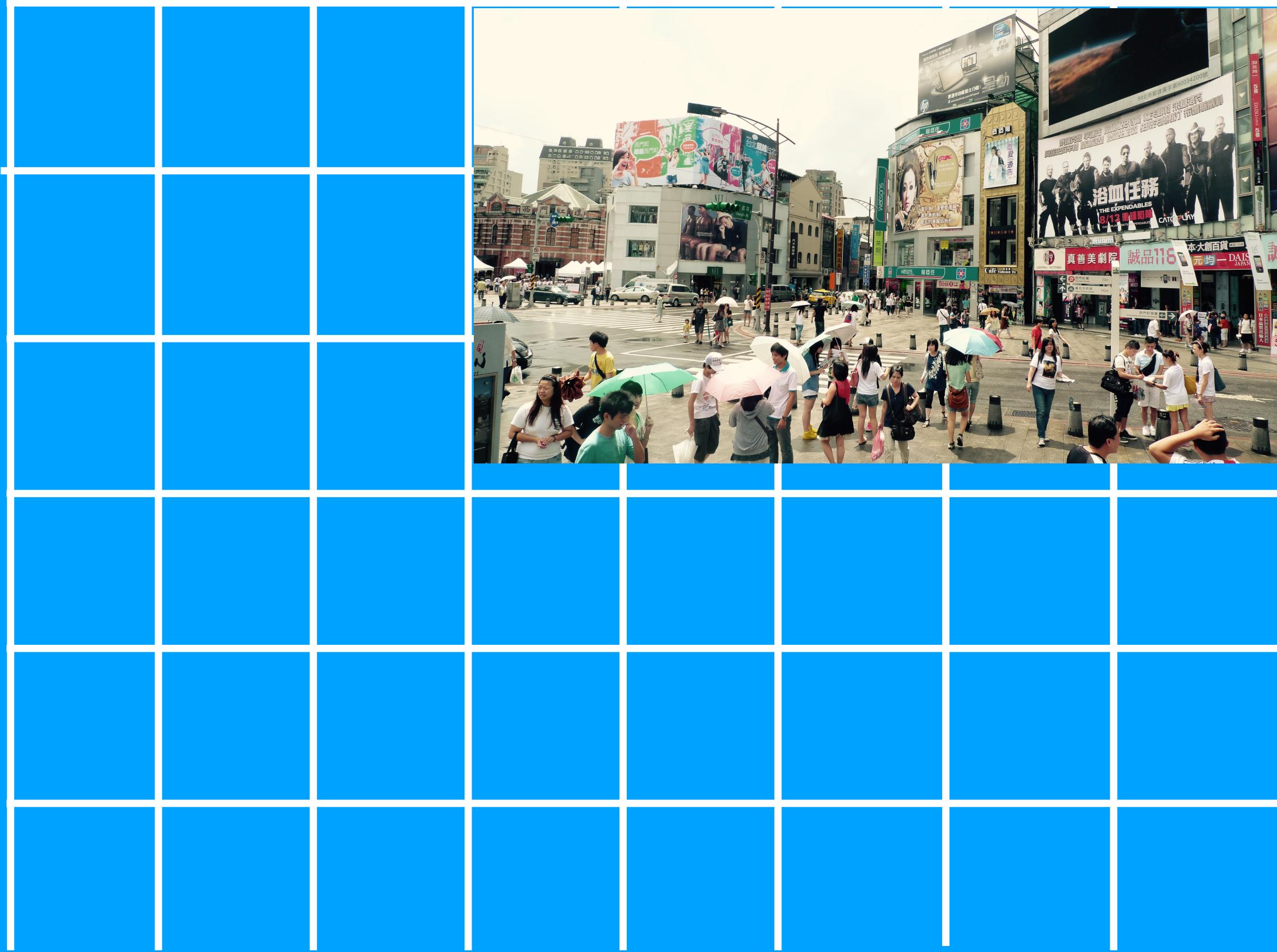


Een grid met viewport units



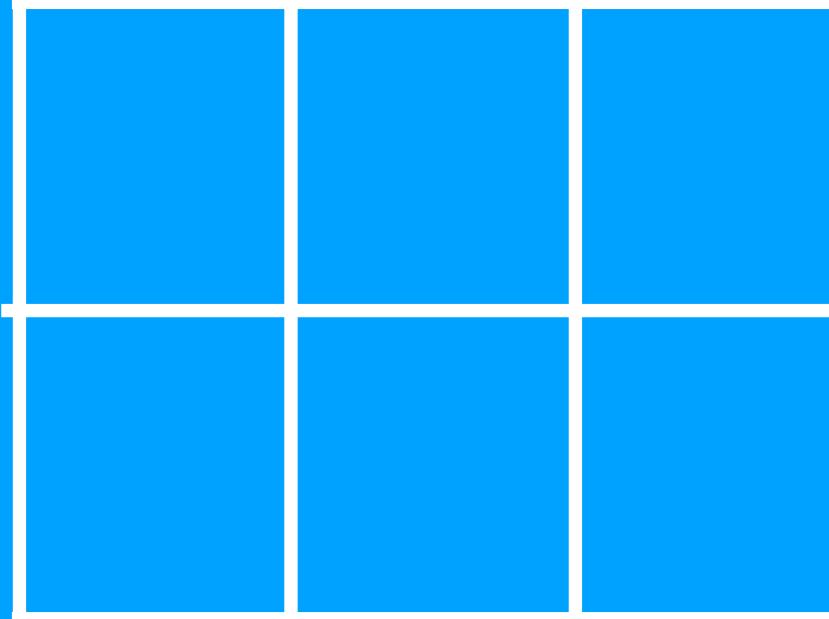
Overlappende content

Foto's in grids



```
.photo {  
    grid-column: 3 / 8;  
    grid-column: 1 / 4;  
}
```

Foto's in grids

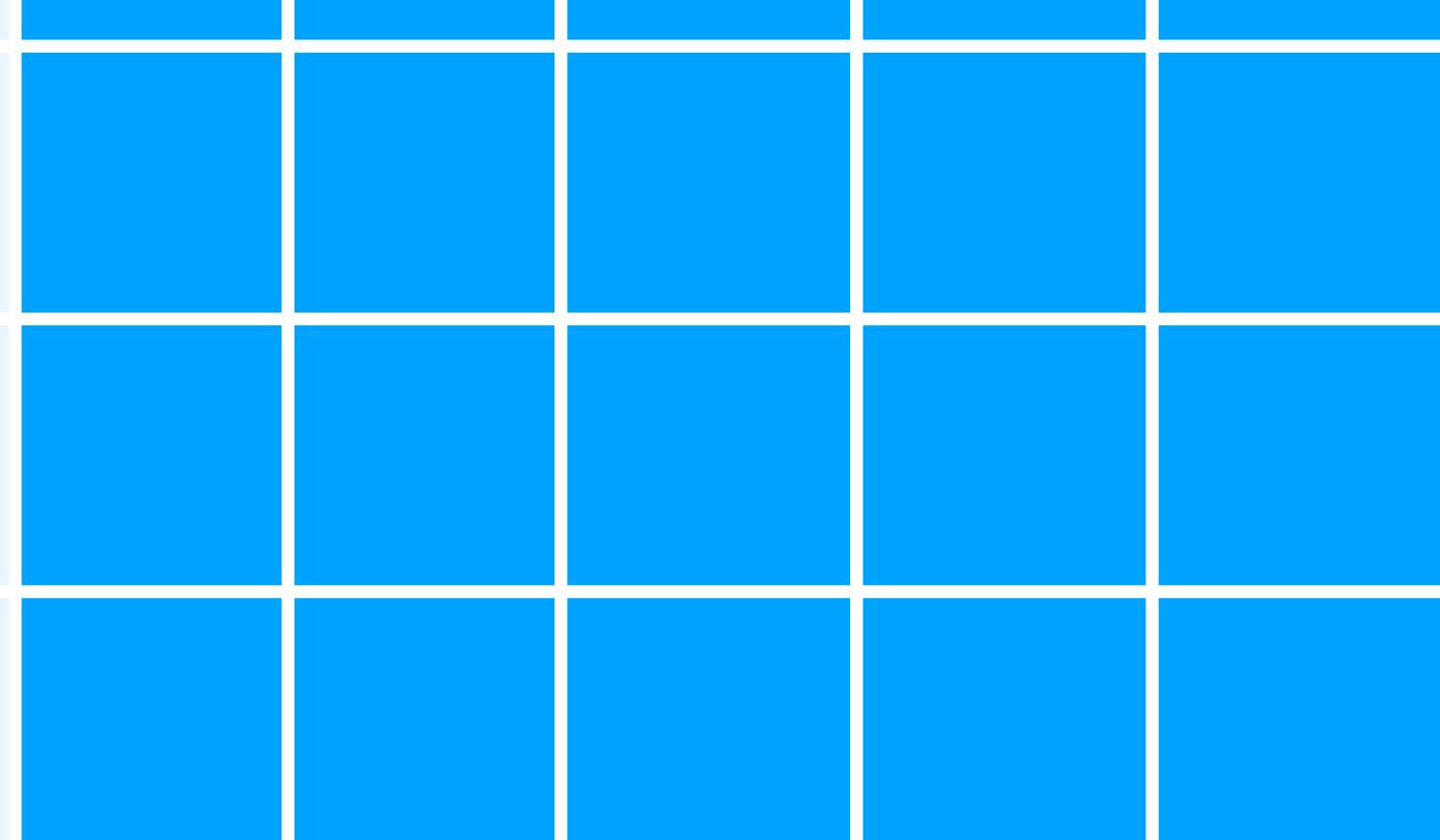


Ximending,
it's busy!

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

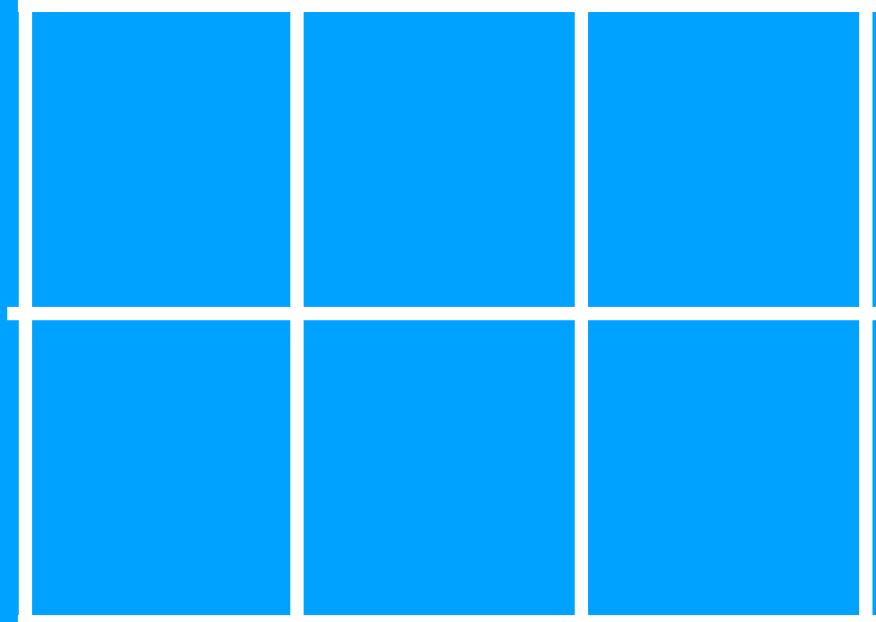
Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.



```
.photo {  
    grid-column: 3 / 8;  
    grid-column: 1 / 4;  
}
```

```
.content {  
    grid-column: 1 / 4;  
    grid-row: 3 / 8;  
}
```

Overlap en z-index



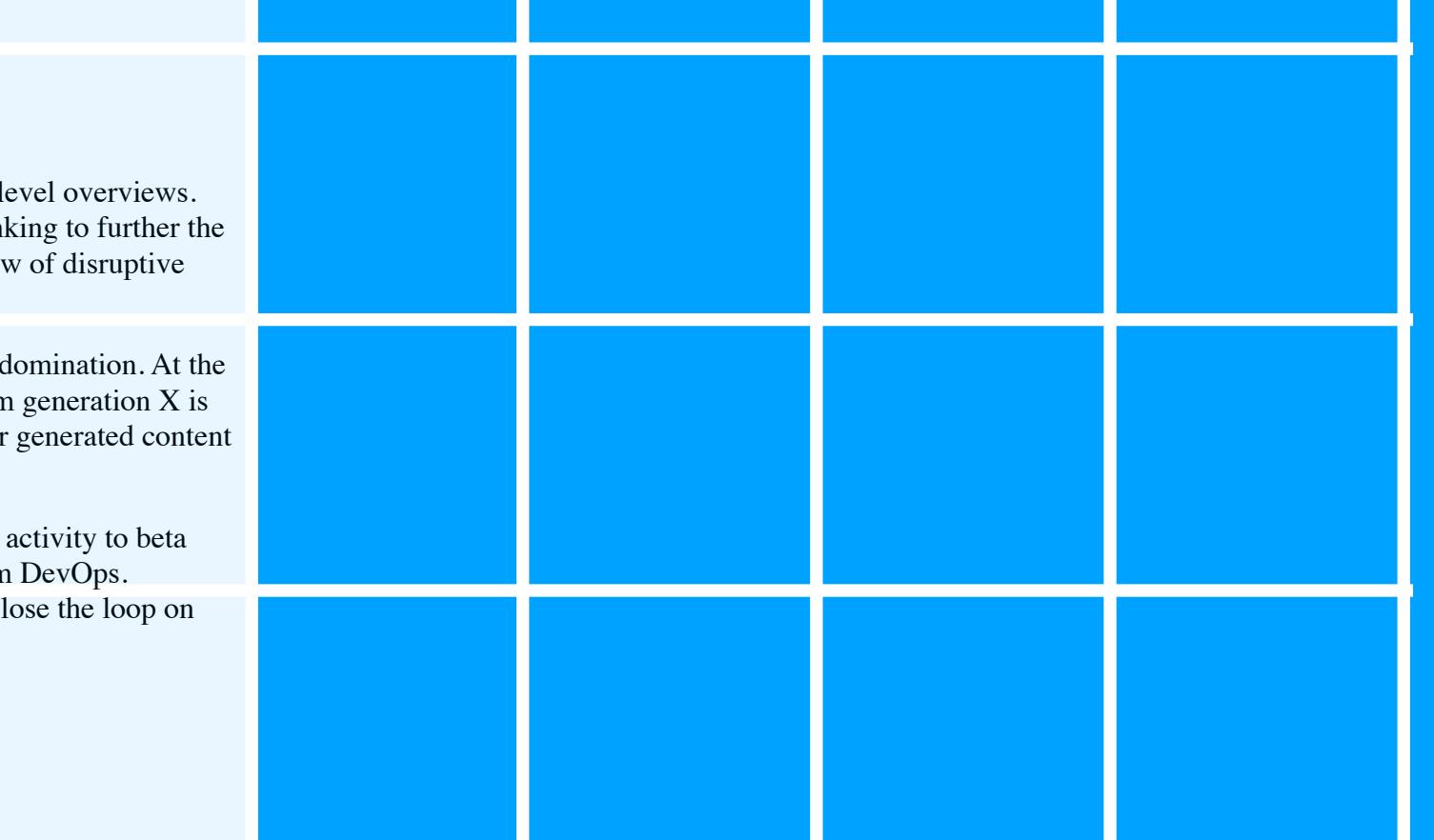
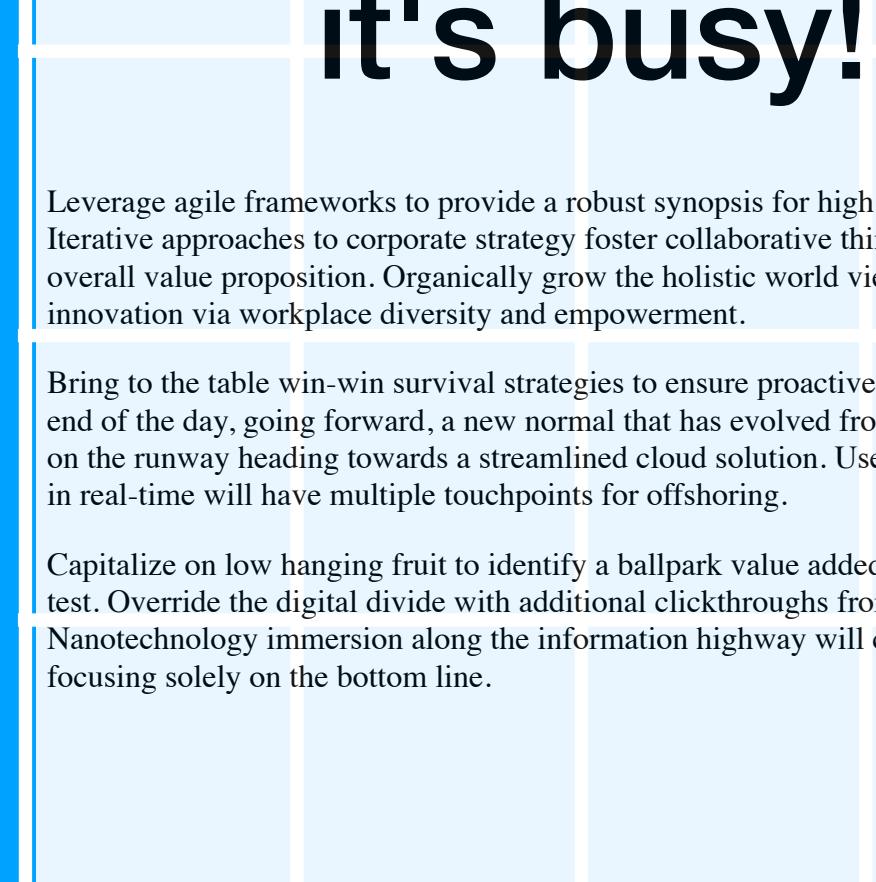
Ximending
it's busy!

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

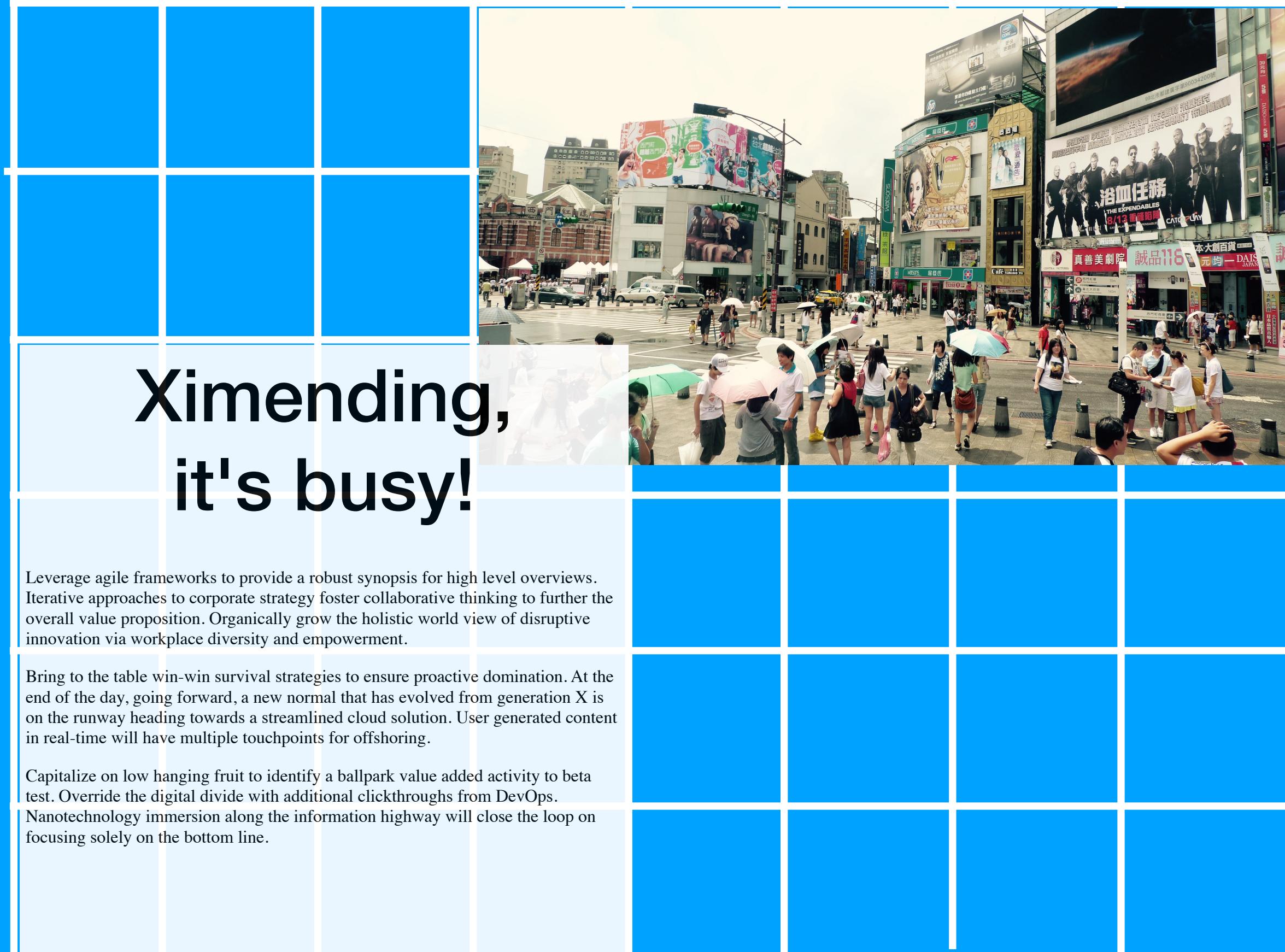
Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

```
.photo {  
    (...)  
    z-index: 1;  
}
```



Overlap en z-index



**Ximending,
it's busy!**

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

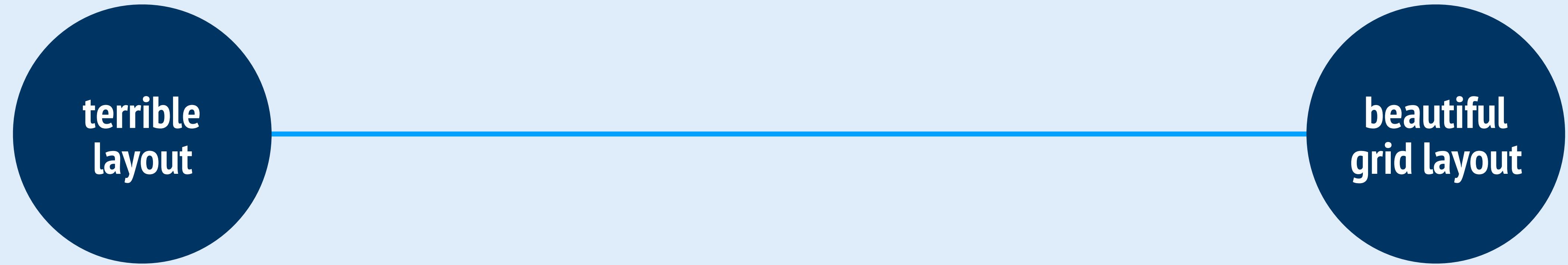
Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

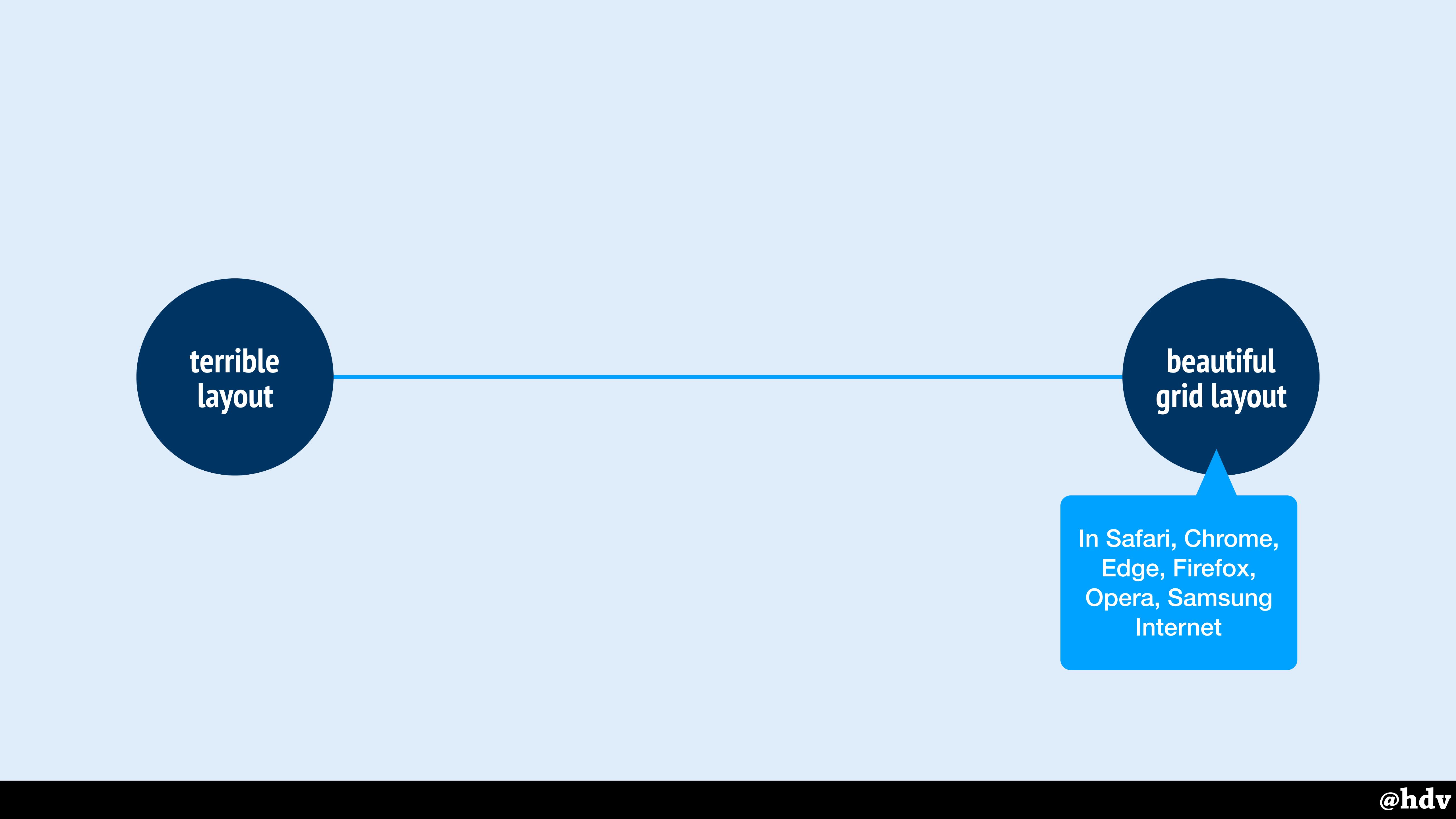
```
.content {  
    (...)  
    z-index: 1;  
}
```

**Multi-column
CSS Masking
Niet-vierkante floats
Writing modes
en nog heel veel meer**

Zijn we er KLAAR voor?

Gaat alles er wel hetzelfde
uitzien in elke browser?





**terrible
layout**

**beautiful
grid layout**

In Safari, Chrome,
Edge, Firefox,
Opera, Samsung
Internet



In browsers that
don't support
Grid Layout.



In Safari, Chrome,
Edge, Firefox,
Opera, Samsung
Internet

**terrible
layout**

**simpler, but
pretty ok
fallback**

**beautiful
grid layout**

In browsers that
don't support
Grid Layout.

In Safari, Chrome,
Edge, Firefox,
Opera, Samsung
Internet

In code betekent dat...

**@supports, the cascade
en floats overrides**

@supports

```
@supports ( display: grid ) {  
    // Specificeer de regels die je wilt laten volgen  
    // als de browser Grid Layout ondersteunt  
}
```

Een waarschijnlijke @supports

```
@supports ( display: grid ) {  
  .thing {  
    margin: 0;  
    width: auto;  
  }  
}
```

FLOATS ONGEDAAN MAKEN

```
.thing {  
    float: left;  
}  
  
@supports ( display: grid ) {  
    // Floats hoef je niet ongedaan te maken; de spec  
    // heeft dit ingebakken. Browsers die Grid ondersteunen,  
    // negeren floats automatisch als je Grid gebruikt.  
}
```

In code betekent dat...

**Houd je fallbacks zo
simpel mogelijk**

Qua samenwerking betekent dat...

**Experimenteer
samen!**

**Stephen Hay**

@stephenhay Follows you

Head of UX [@catawiki](#). Author of Responsive Design Workflow ([@RDWorkflow](#)). Design + code. Speaker, writer. Generalist. Tweets my own.

[The Netherlands](#)[the-haystack.com](#)

Joined December 2006

[Tweet to](#)[Message](#)

142 Followers you know



215 Photos and videos

**Stephen Hay**

@stephenhay

Following

I keep meeting designers who would love to start prototyping in code, but are afraid they'll "do it wrong". If you want to try, start small and *code poorly*. Your code isn't production code. Just play. Having fun will draw you in.

8:22 PM - 28 May 2018

102 Retweets 375 Likes

[13](#)[102](#)[375](#)[✉](#)

Tweet your reply

**Jan van Hellemond** @jvhellemond · May 28Replying to [@stephenhay](#)

There is a risk, I've seen it happen, that the code does end up in production. Because some manager somewhere says "hey, looks good, why spend more time on this, ship it".

[7](#)[12](#)[2](#)[✉](#)**Stephen Hay** @stephenhay · May 28**Who to follow** · Refresh · View all**Josh Clark** @bigmediumj...[X](#)[Follow](#)**Luke Wroblewski** @lukew...[X](#)[Follow](#)**Responsive Design** @RWD...[X](#)[Follow](#)

Find people you know

Trends for you · Change

#codeorange

@nvreez is Tweeting about this

#websci18

1,155 Tweets

#fintech

@dccrowley is Tweeting about this

Qua samenwerking betekent dat...

Laat je collega's de realiteit zien, en simpele manieren om ermee te dealen

code is
complexer

overleg is
complexer



beter op
termijn

“

Web design is engineering: it's not about finding perfection, it's finding the best compromise.

– Oliver Reichenstein

In: *Responsive typography: the basics* (2012).

**Het web is klaar voor
geweldig grafisch ontwerp**

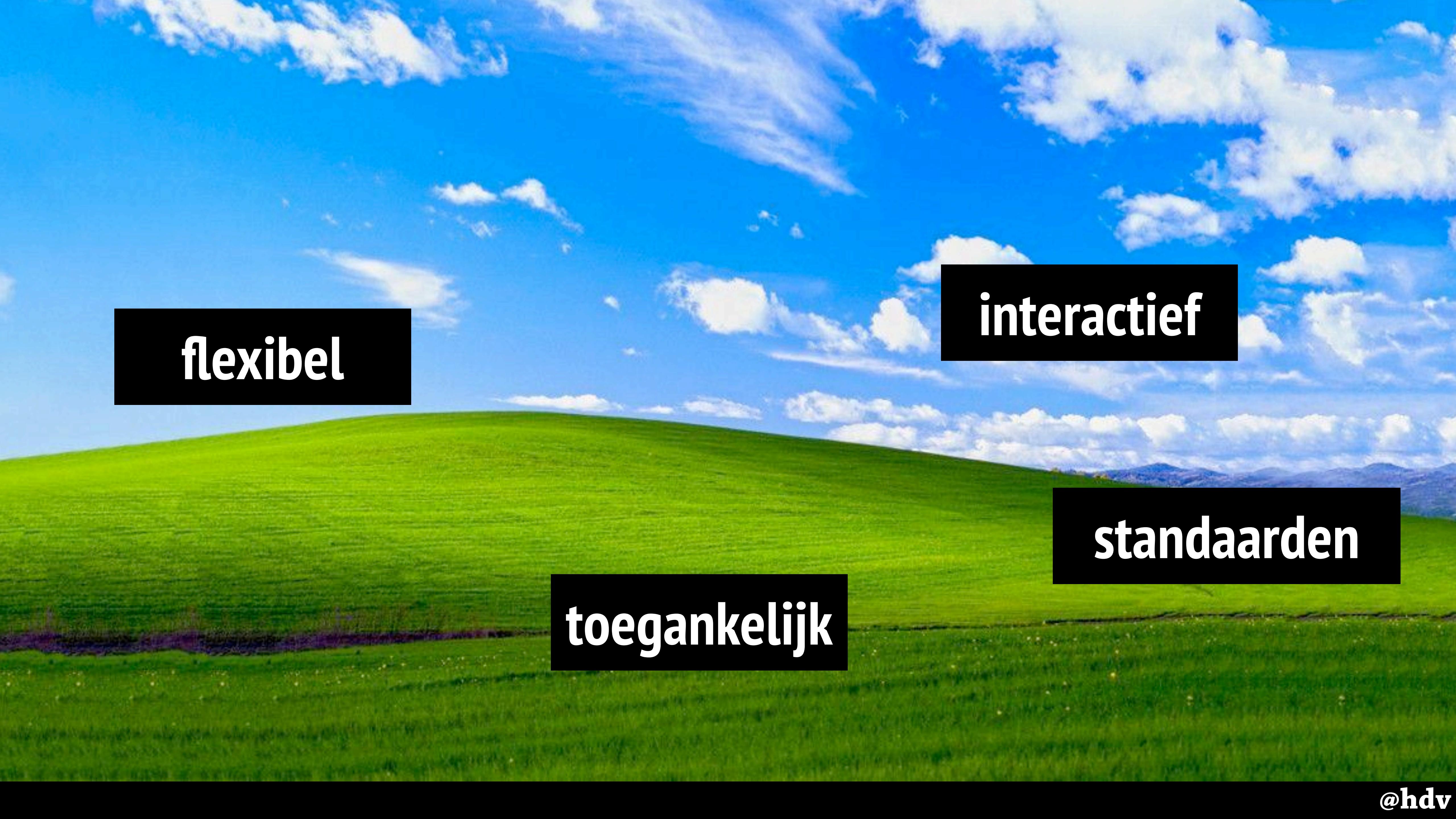
Dingen die je vroeger
lastig voor elkaar kreeg,
zitten nu in de browser

“

Can web design inspire graphic design? How can we lead the way?

– Vasilis van Gemert

Hoe kunnen we het
meest uit dit NIEUWE
TIJDPERK halen?

The background of the image is a well-known Windows XP wallpaper, featuring a vibrant green hillside in the foreground, a bright blue sky filled with wispy white clouds, and a range of mountains in the distance.

flexibel

interactief

standaarden

toegankelijk

Het web is flexibel by default

Canvas staat vast

Tekst al bekend

Voor spelbare kleuren

Canvas

is flexibel

Tekst

kan constant veranderen

Overal andere

kleuren

“

It is the nature of the web to be flexible, and it should be our role as designers and developers to embrace this flexibility (...)

– John Allsopp

In: *A dao of web design.*

**Als we flexibiliteit
omarmen, kunnen we
effectiever werken**

**(En hebben we meer tijd om te zorgen
dat de gebruiker kan doen waarvoor ze kwam)**

minmax()

fr

min-content / max-content

ch

Een kolom van 50 karakters

1fr

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to

1fr

50ch

```
.content {  
  display: grid;  
  grid-template-columns:  
    1fr 50ch 1fr;  
}
```

Een kolom van 45-70 karakters

1fr

Leverage agile frameworks to provide a robust synopsis for high level overviews. Iterative approaches to corporate strategy foster collaborative thinking to further the overall value proposition. Organically grow the holistic world view of disruptive innovation via workplace diversity and empowerment.

Bring to the table win-win survival strategies to ensure proactive domination. At the end of the day, going forward, a new normal that has evolved from generation X is on the runway heading towards a streamlined cloud solution. User generated content in real-time will have multiple touchpoints for offshoring.

Capitalize on low hanging fruit to identify a ballpark value added activity to beta test. Override the digital divide with additional clickthroughs from DevOps. Nanotechnology immersion along the information highway will close the loop on focusing solely on the bottom line.

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to

1fr

minmax(45ch, 70ch)

```
.content {  
  display: grid;  
  grid-template-columns:  
    1fr minmax(45ch, 70ch) 1fr;  
}
```

**Het web is toegankelijk
by default**

Het is vooral tekst.

selecteerbaar

kopieerbaar

Het is vooral tekst.

vergrootbaar

vertaalbaar

klaar voor
screenreaders

**Door tekst gaat veel
toegankelijkheid vanzelf**

VENICE
CINEMAS

威尼斯影城



FB粉絲團



線上訂票



人才招募



訂閱電子報

≡ 瀏覽主選單



360 x 640



+

▶ ...

A small, dark circular icon located in the bottom right corner of the slide.

▼

▼
 

1

▶

1

> <[1]> ... </[1]>

</ut>

◀ container ▶ div.row ▶ div.col-xs-12.col-md-5.col-sm-5 ▶ ul.topnav ▶ li ▶ a.nav2 ▶ img.mobile-n

Rules

Computed

Layout

Animations

 Filter Styles

▼ Pseudo-elements

▼ Pseudo-elements

::-moz-selection +

```
background: #B086CE;  
color: #FFF;  
text-shadow: none;  
}
```

```
::before, ::after {  
    -webkit-box-sizing: border-box;  
    -moz-box-sizing: border-box;  
    box-sizing: border-box;  
}
```

This Element

```
element {
```

}





```
<body>
  <div class="poster">
    <h1><span>der</span> <span>Film</span></h1>
    <p class="what">Kunstgewerbemuseum Zürich<br>Ausstellung</p>
    <div class="when">
      <p>10.Januar bis 30.April 1960</p>
      <p>Offen: Montag 14-18, 20-22<br>
        Dienstag-Freitag 10-12, 14-18, 20-22<br>
        Samstag-Sonntag 10-12, 14-17
      </p>
    </div>
  </div>
</body>
```

der Film

Kunstgewerbemuseum Zürich
Ausstellung

10.Januar bis 30.April 1960

Offen: Montag 14-18, 20-22

Dienstag-Freitag 10-12, 14-18, 20-22

Samstag-Sonntag 10-12, 14-17

```
<body>
  <div class="poster">
    <h1><span>der</span> <span>Film</span></h1>
    <p class="what">Kunstgewerbemuseum Zürich<br>Ausstellung</p>
    <div class="when">
      <p>10.Januar bis 30.April 1960</p>
      <p>Offen: Montag 14-18, 20-22<br>
        Dienstag-Freitag 10-12, 14-18, 20-22<br>
        Samstag-Sonntag 10-12, 14-17
      </p>
    </div>
  </div>
</body>
```

le film

Du 10 janvier au 30 avril 1960

Ouvert: lundi 14-18, 20-22
Mardi-vendredi 10-12, 14-18, 20-22
Samedi-dimanche 10-12, 14-17

Kunstgewerbemuseum Zurich
exposition

arfilm

10mh Faoilleach gu 30mh Giblean 1960

Fosgailte: Diluain 14-18, 20-22
Dimàirt-Dihaoine 10-12, 14-18, 20-22
Disathairne-Didòmhnaich 10-12, 14-17

Kunstgewerbemuseum Zurich
taisbeanadh

電影

1960年1月10日至4月30日

開放時間：週一14-18,20-22
週二至週五的10-12，14-18,20-22
週六和周日，10日至12日，14日至17日

Kunstgewerbemuseum蘇黎世
展覽

il film

Dal 10 gennaio al 30 aprile 1960
Apertura: lunedì 14-18, 20-22
Martedì-Venerdì 10-12, 14-18, 20-22
Sabato-domenica 10-12, 14-17

Kunstgewerbemuseum Zurich
mostra

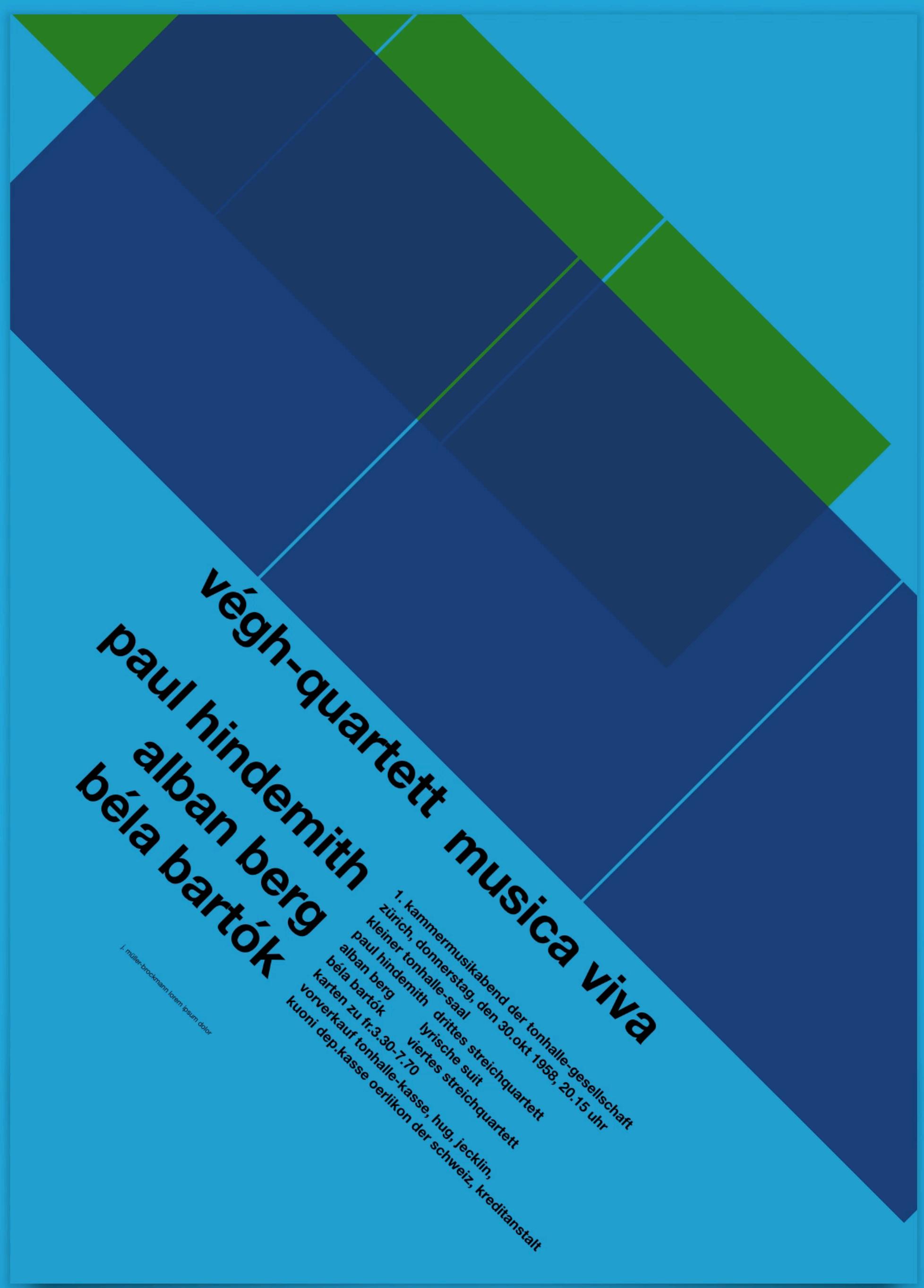
Tekst > plaatjes van tekst

**The web is interactief
by default**

**Focus indicators:
kan ik zien waar ik
ben zonder muis?**

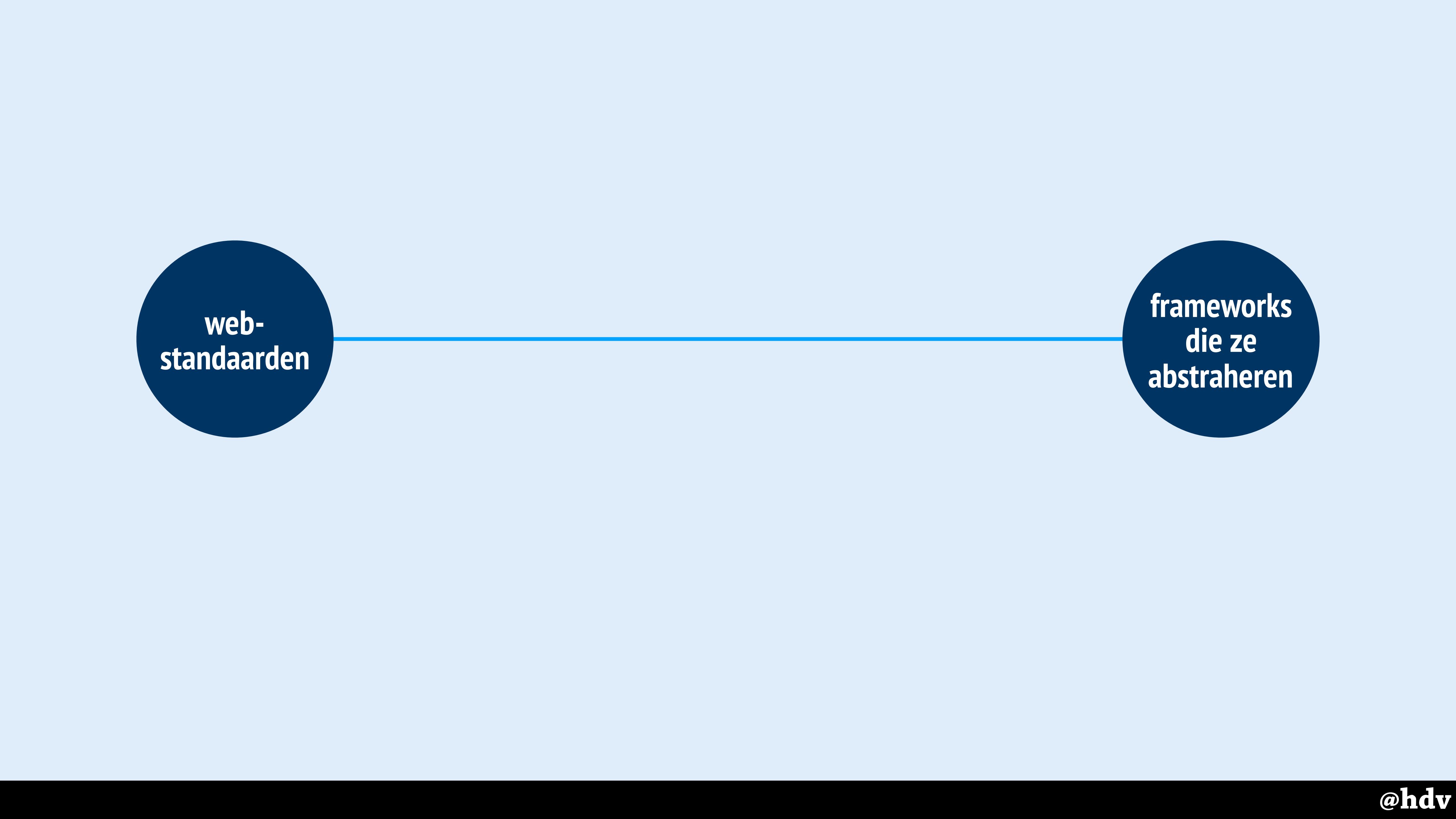
Hide en show: verberg een deel van de content voor een minder drukke UI

Maken transitions een ontwerp fijner?



**Het web is gebouwd op
webstandaarden**

**Het loont om dicht bij de
standaarden zelf te blijven**



web-
standaarden

frameworks
die ze
abstraheren



display: flex;

@include flex;



class="col sm-2 md-3"
Suzy

“

Grid systems are overkill. I haven't used Suzy in 5 years and I recommend that you stop [using it, too].

— Miriam Suzanne, creator of Suzy

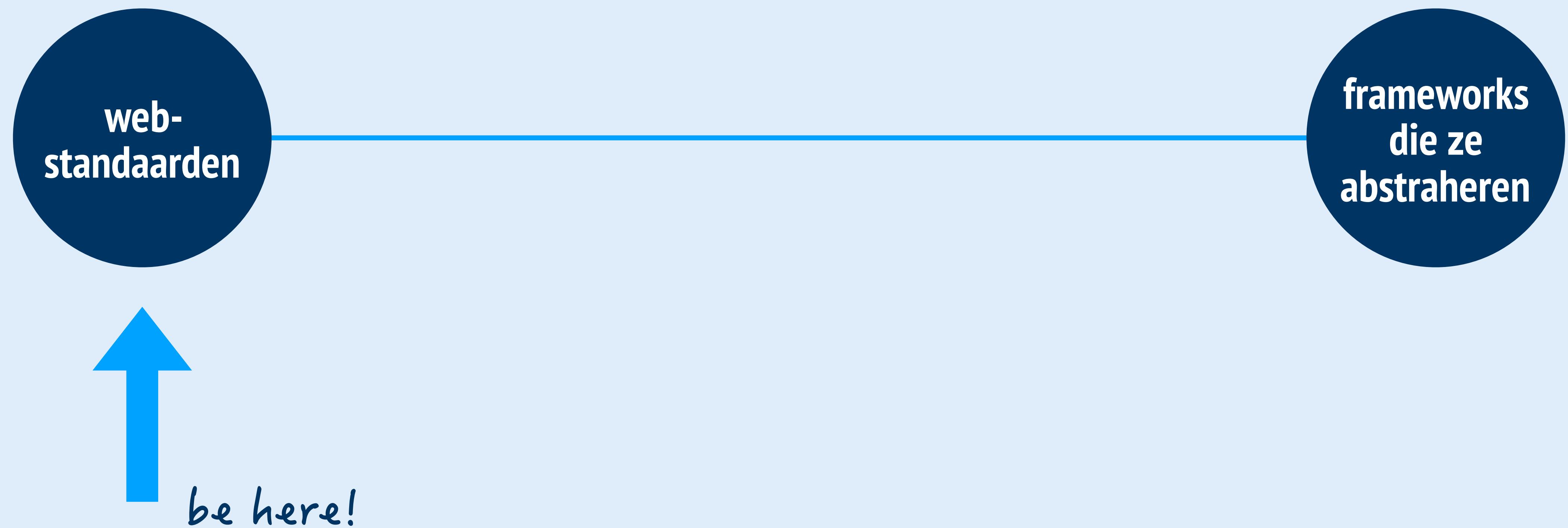
In *Don't use my grid system*, presented at Beyond Tellerand (8 May 2018).

**Bootstrap's ingebouwde grid
heeft 204 classnames om
jouw layout te definiëren**

en alle andere mogelijke lay-outs

Kies vanilla!





A screenshot of a web browser window displaying Jen Simmons' website. The title bar says "Here's a Super Quick Way to Try out CSS Grid | Jen Simmons". The address bar shows the URL "jensimmons.com/post/aug-15-2017/heres-super-quick-way-try-out-css-grid". The main content area features a large header "Jen Simmons" and a sub-header "Here's a Super Quick Way to Try out CSS Grid". Below the sub-header is a bio: "A lot of people are getting excited about CSS Grid, and want to learn it. A lot of people are also super busy. So let me teach you some very basic things about Grid, and get you started with a 5-minute taste." It then explains that unlike Bootstrap, CSS Grid does not apply to the entire page. It defines a grid as applying to a specific element and its direct children. It provides an example of HTML markup for a grid container:

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

It then discusses the CSS definition for the grid container:

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

Grid by Example

Everything you need to learn CSS Grid Layout

[Start Here](#) [Examples](#) [Patterns](#)

CSS Grid Layout

This site is a collection of examples, video and other information to help you learn CSS Grid Layout. Developed and maintained by [Rachel Andrew](#).

New! [Get Started Guide](#)

A structured guide to resources that will help you to start learning CSS Grid Layout.

New! [The Examples](#)

Small examples of the CSS Grid Layout specification. Each example is a 'Grab & Go' A set of examples...

The CSS Layout Workshop

Learn CSS layout with straightforward and practical examples. Banish layout confusion for good. Updated for 2018!

Does this sound familiar?

“ I love designing a site, but then find I have to compromise the design when it comes to building it with CSS. ”

Flexbox Froggy - A game for learning CSS flexbox

flexboxfroggy.com

FLEXBOX FROGGY

Level 4 of 24

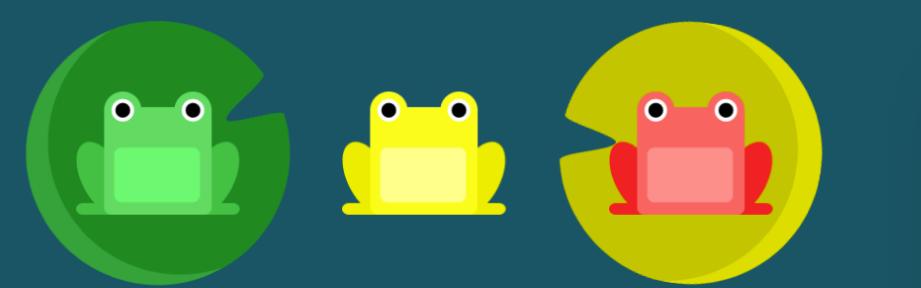
Now the lily pads on the edges have drifted to the shore, increasing the space between them. Use **justify-content**. This time, the lily pads have equal spacing between them.

```
1 #pond {  
2   display: flex;  
3 }  
4  
5  
6  
7  
8  
9  
10
```

Next

Flexbox Froggy is created by [Codeip](#) • [GitHub](#) • [Twitter](#) • English

Want to learn CSS grid? Play [Grid Garden](#).



Grid Garden - A game for learning CSS grid

cssgridgarden.com

GRID GARDEN

Level 1 of 28

Welcome to Grid Garden, where you write CSS code to grow your carrot garden! Water only the areas that have carrots by using the **grid-column-start** property.

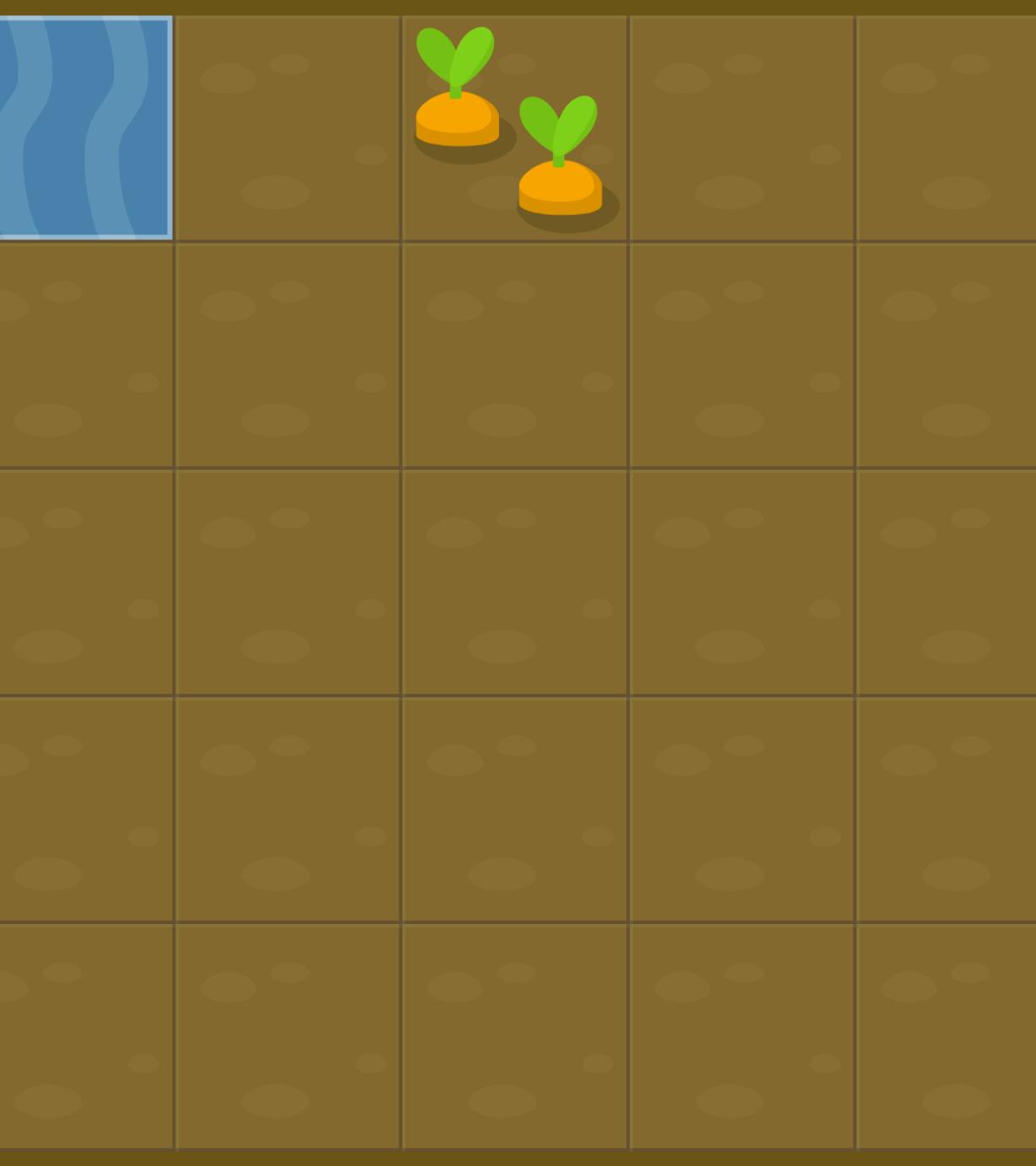
For example, **grid-column-start: 3;** will water the area starting at the 3rd vertical grid line, which is another way of saying the 3rd vertical border from the left in the grid.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8 }  
9  
10  
11  
12  
13  
14
```

Next

Grid Garden is created by [Codeip](#) • [GitHub](#) • [Twitter](#) • English

Want to learn CSS flexbox? Play [Flexbox Froggy](#).

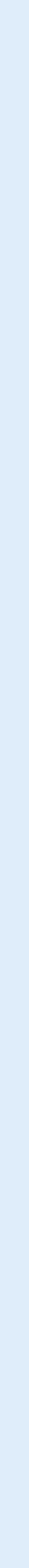


~ Dit kunnen we nu: ~

**vlakken even hoog
wiskundige verhoudingen
bewustgekozen witruimte
verhouding met viewports
compositie met overlappende content**

~ Ontwerp voor web is ideaal, want het web is: ~

**flexibel
toegankelijk
interactief
gestandaardiseerd**



**Het is een hele
goede tijd om te
ontwerpen voor
het web!**

Bedankt!

Veel dank aan Vasilis van Gemert, Krijn Hoetmer, Jenny Shen en Peter van Grieken.

@hdv

hidde@hiddedevries.nl

<https://hiddedevries.nl/en/blog>

<https://noti.st/hdv>