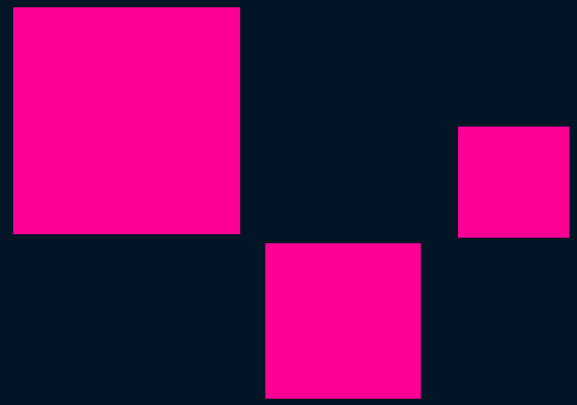

Modern CSS Layout

- 💖 Drums
- 💖 CSS
- 💖 Windmills

css-irl.info

Menu
/* CSS { In Real Life }
Tips, tricks and tutorials on the web's most beautiful language.
142 posts
Latest
My Browser Support Strategy
Thu Apr 28 2022
As I've written about recently, it's super exciting to see a bunch of new CSS features landing in browsers, and who can blame us for wanting to get started using them straight away?! It's great to see browsers working to support new CSS features...
Search by topic...
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opinion
custom properties
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CSS
IS
AWESOME

Multi-column

Custom properties

Flexbox

Container queries

aspect-ratio

Grid

min() / max() / clamp()

:has()

Logical properties

Viewport units

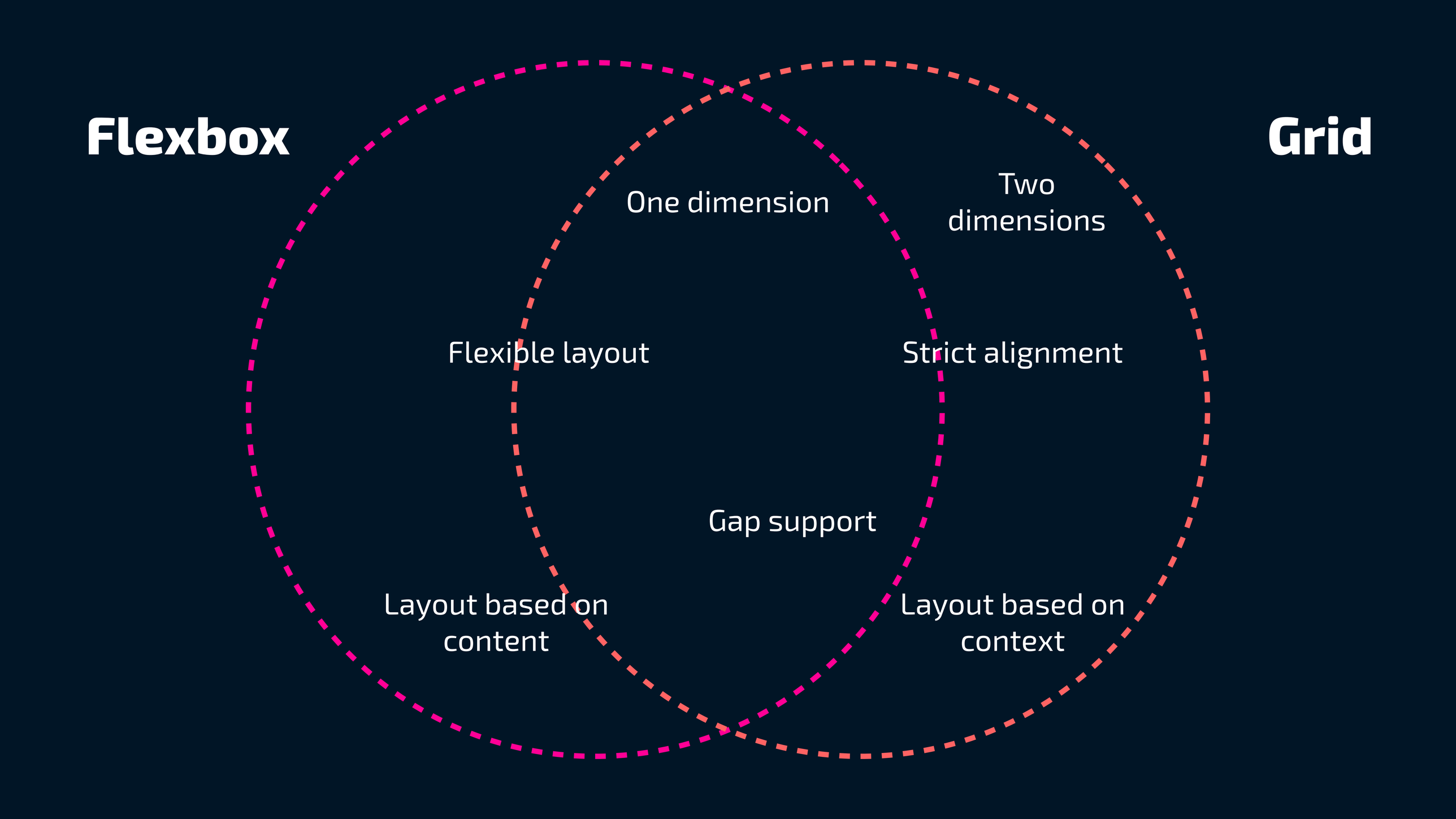
Subgrid

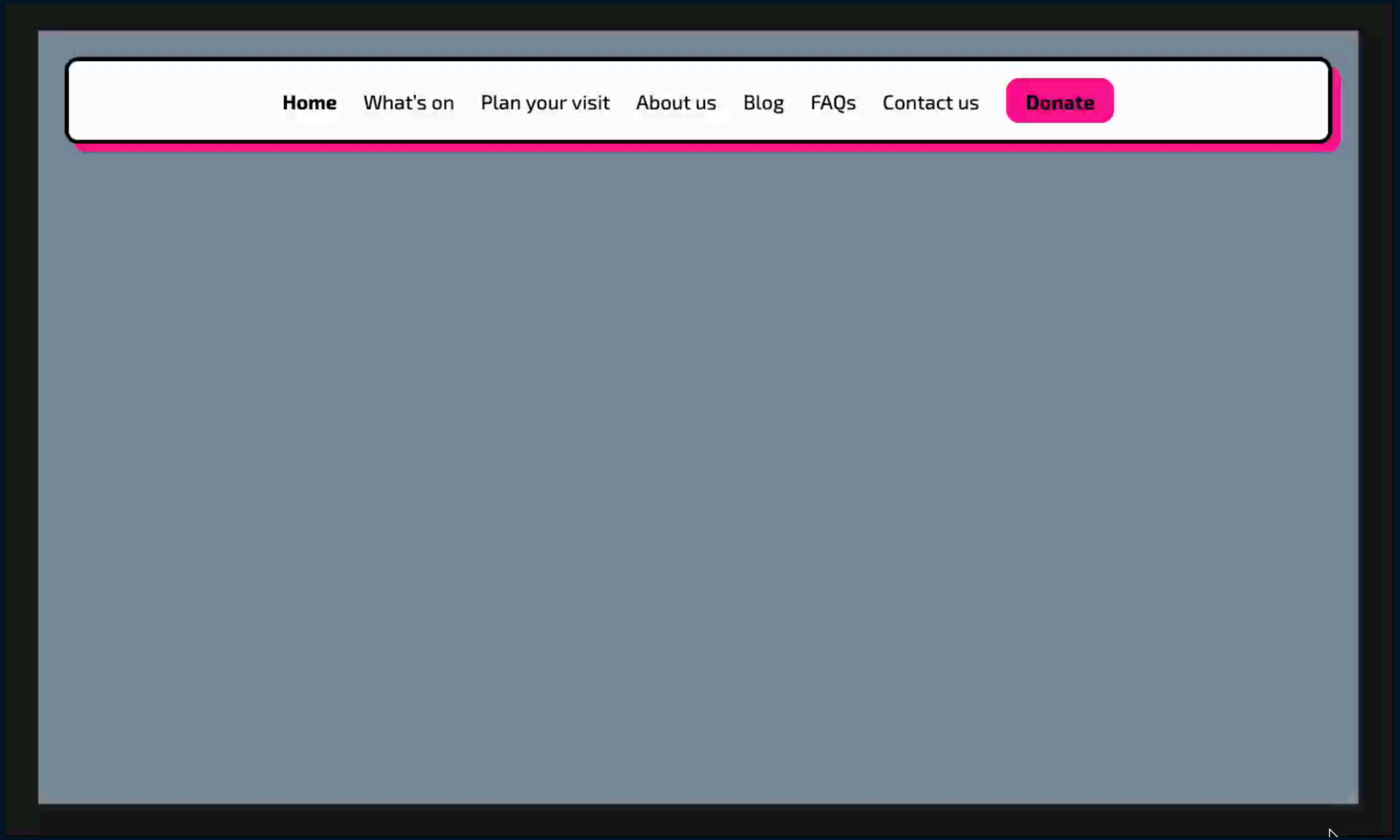
Writing modes

“ Intrinsic web design ”

Jen Simmons

Flex or Grid?


Flexbox
Grid
One dimension
Two dimensions
Flexible layout
Strict alignment
Gap support
Layout based on content
Layout based on context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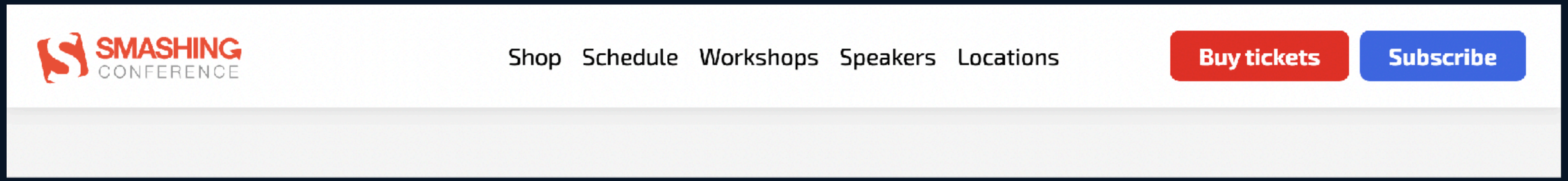
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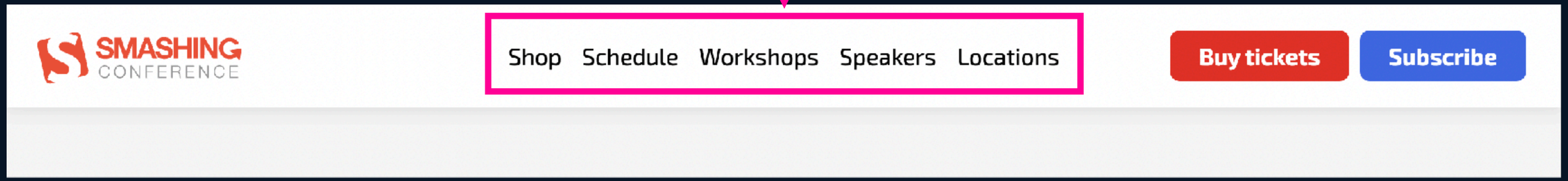
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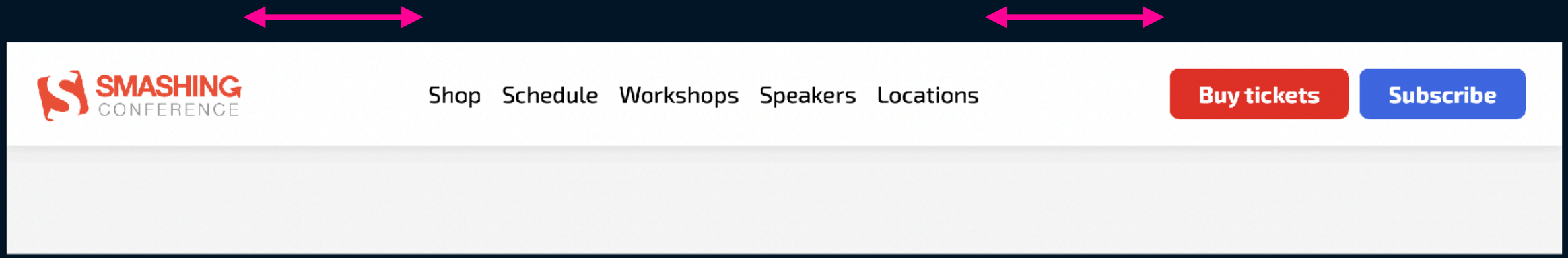
Flexbox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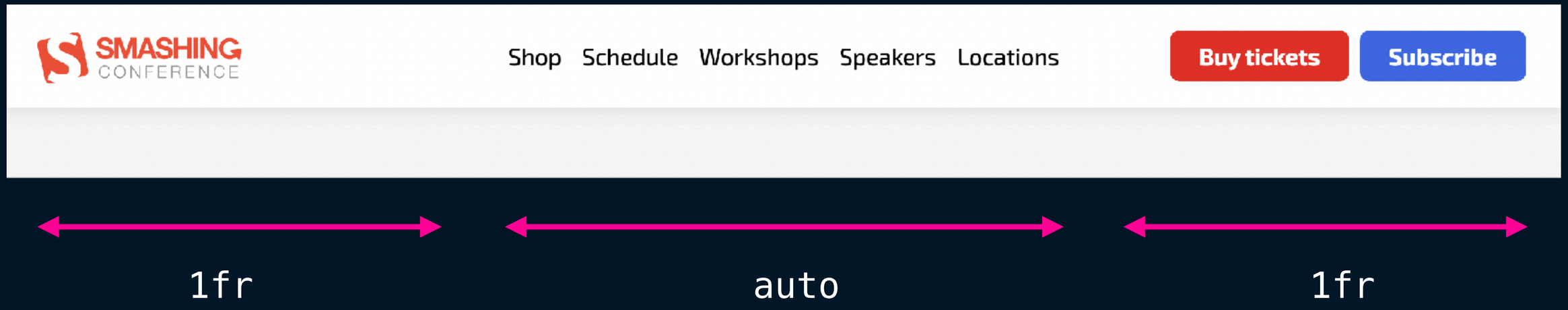
Grid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1fr
auto
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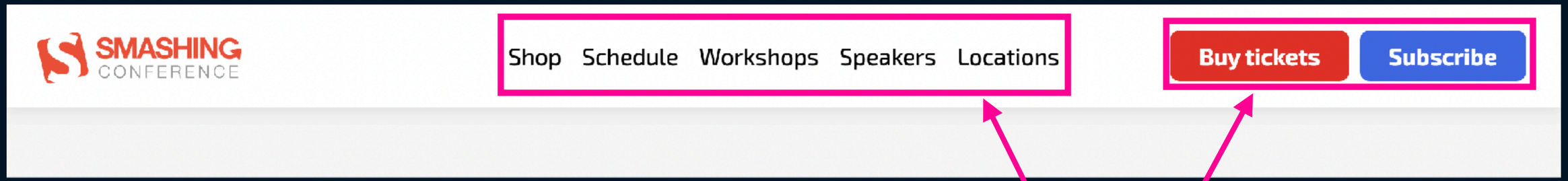
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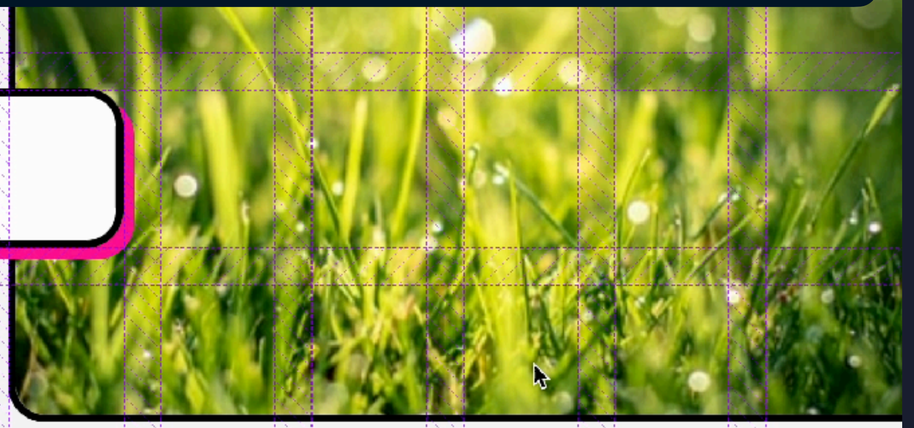
Flexbox

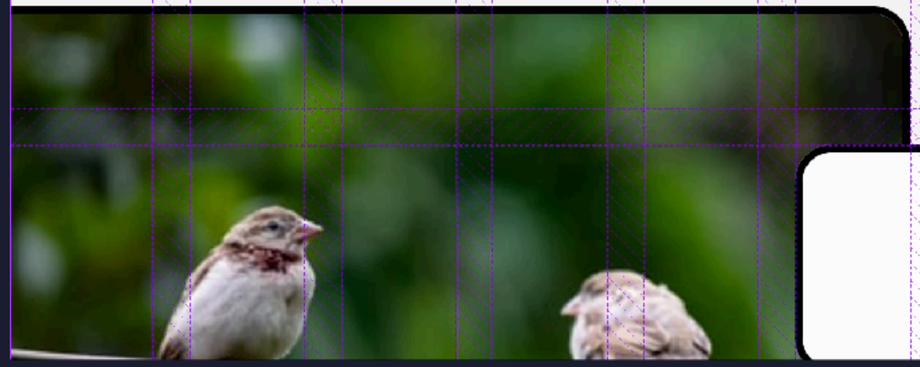
codepen.io/michellebarker/pen/qBxNWZP

```
grid-template-columns: 1fr repeat(10, minmax(0, 6rem)) 1fr;
```



Let the grass grow

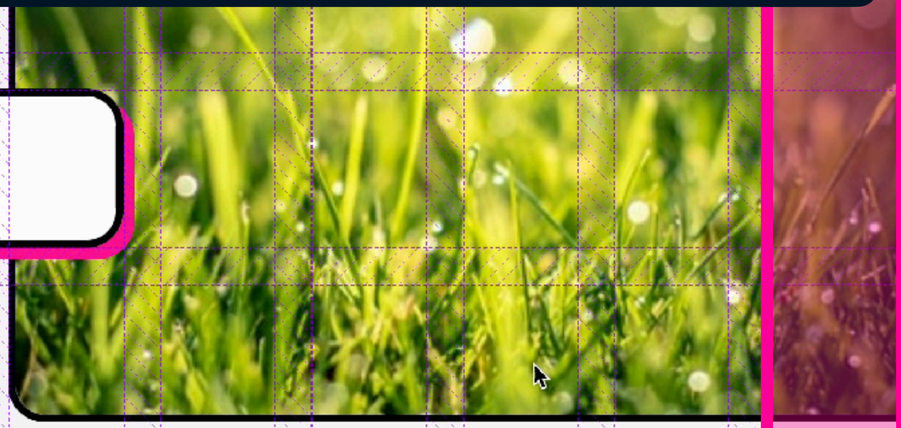
Leave your mower in the shed. Long grass is one of the rarest garden habitats. By letting some or all of your lawn grow you will make space for many plant and insect species, including butterflies and wildflowers. Mowing the lawn only once every four weeks gives 'short-grass' plants like daisies and white clover a chance to flower in profusion, boosting nectar production tenfold.



Add a bird box and feeders

codepen.io/michellebarker/pen/qBxNWZP

```
grid-template-columns: 1fr repeat(10, minmax(0, 6rem)) 1fr;
```



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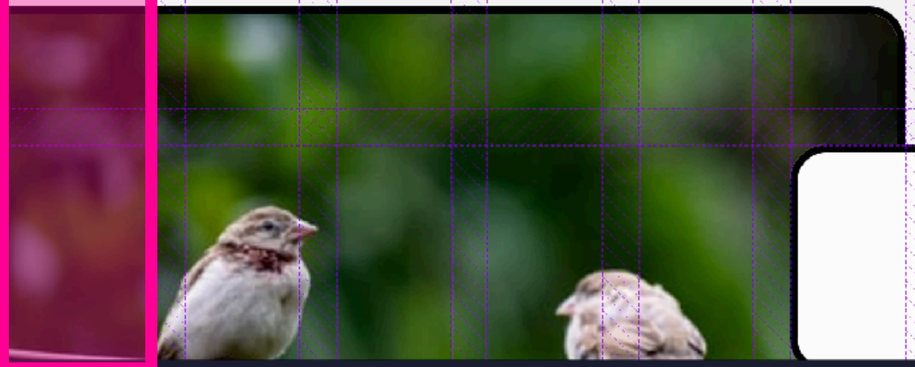
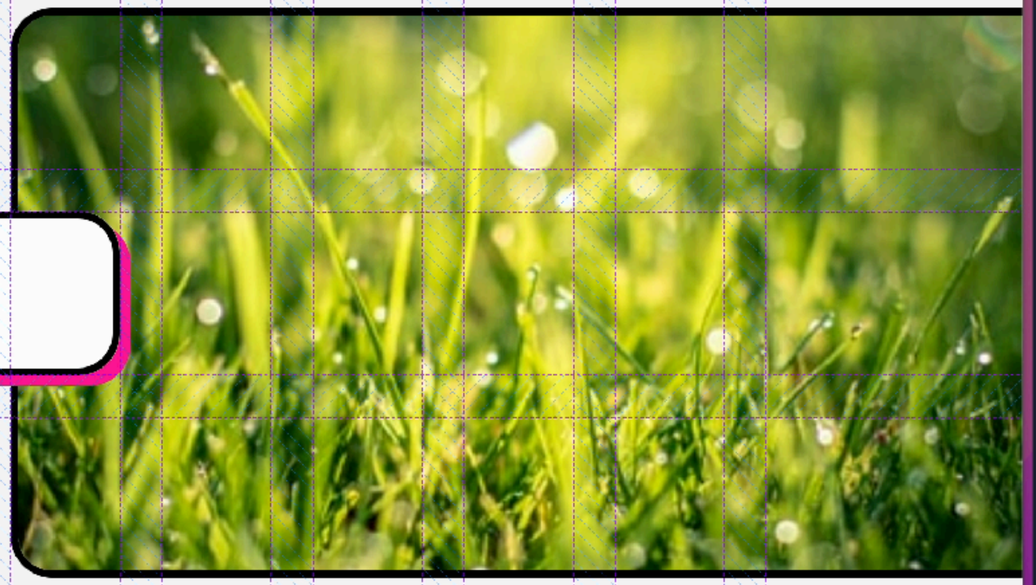


Add a bird box and feeders

codepen.io/michellebarker/pen/qBxNWZP



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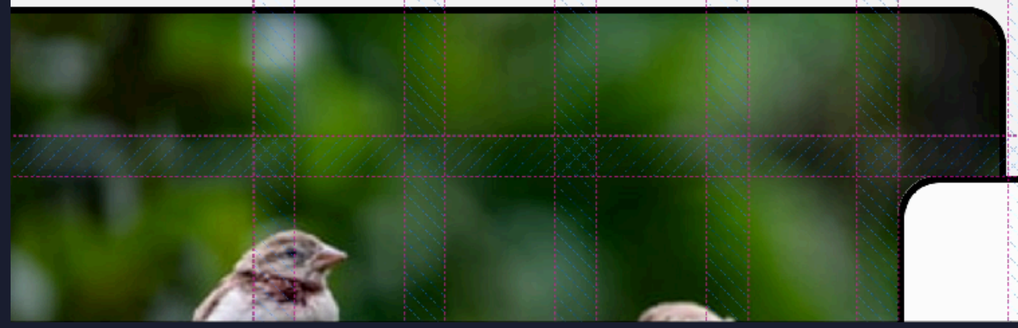


Add a bird box and

codepen.io/michellebarker/pen/qBxNWZP

Aspect-ratio

Before ☹️

```
.aspect-box {
  position: relative;
}

.aspect-box::before {
  display: block;
  content: '';
  width: 100%;
  padding-bottom: calc(100% /
   (var(--aspect-ratio, 3 / 2)));
}

.aspect-box > :first-child {
  position: absolute;
  top: 0;
  right: 0;
  bottom: 0;
  left: 0;
}
```

After ☺️

```
.aspect-box {
  aspect-ratio: 3 / 2;
}
```

Demo

codepen.io/michellebarker/pen/ExEzvBx

min, max and clamp

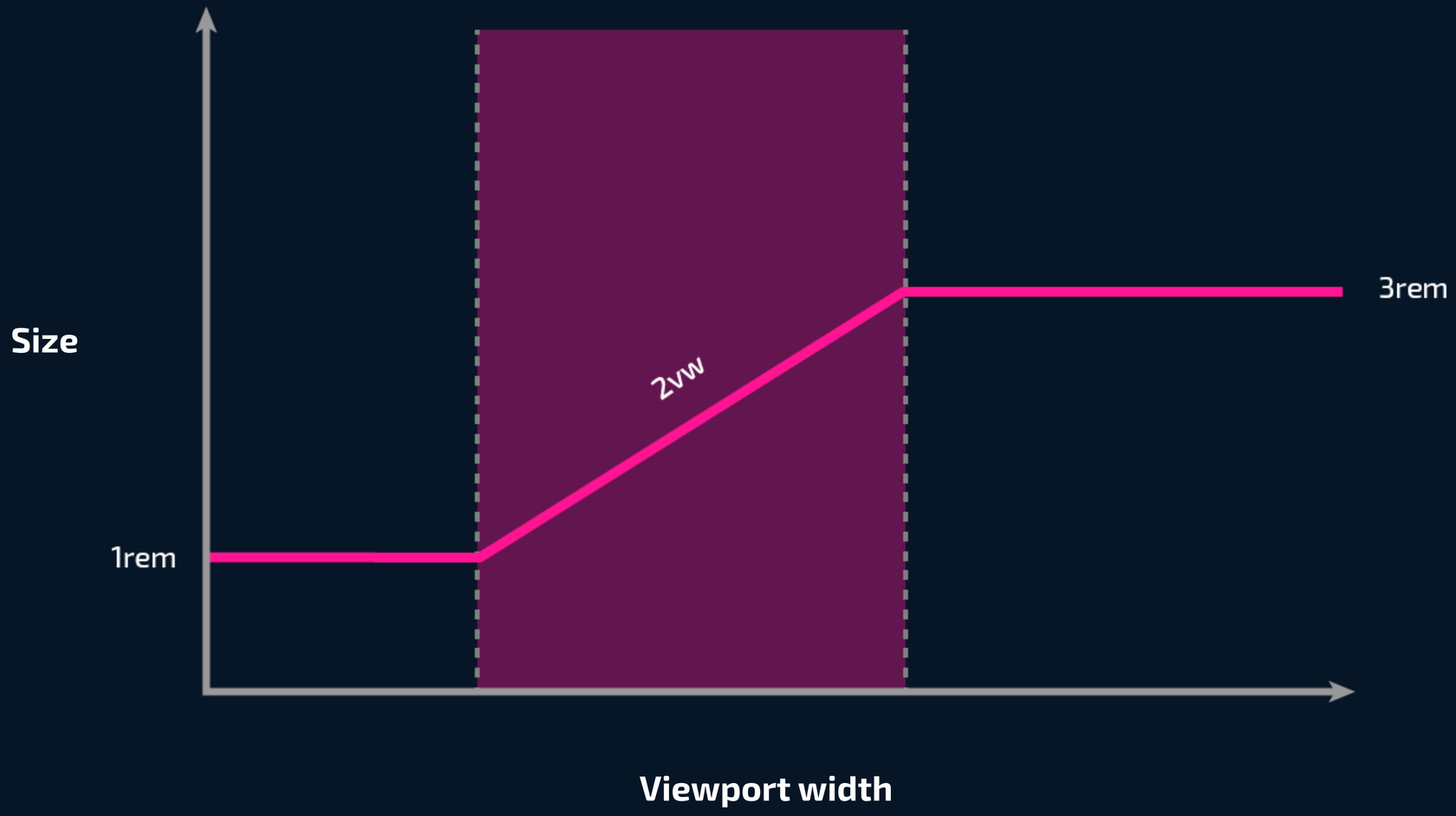
```
min(1rem, 2vw)

max(1rem, 2vw)
```

min, max and clamp

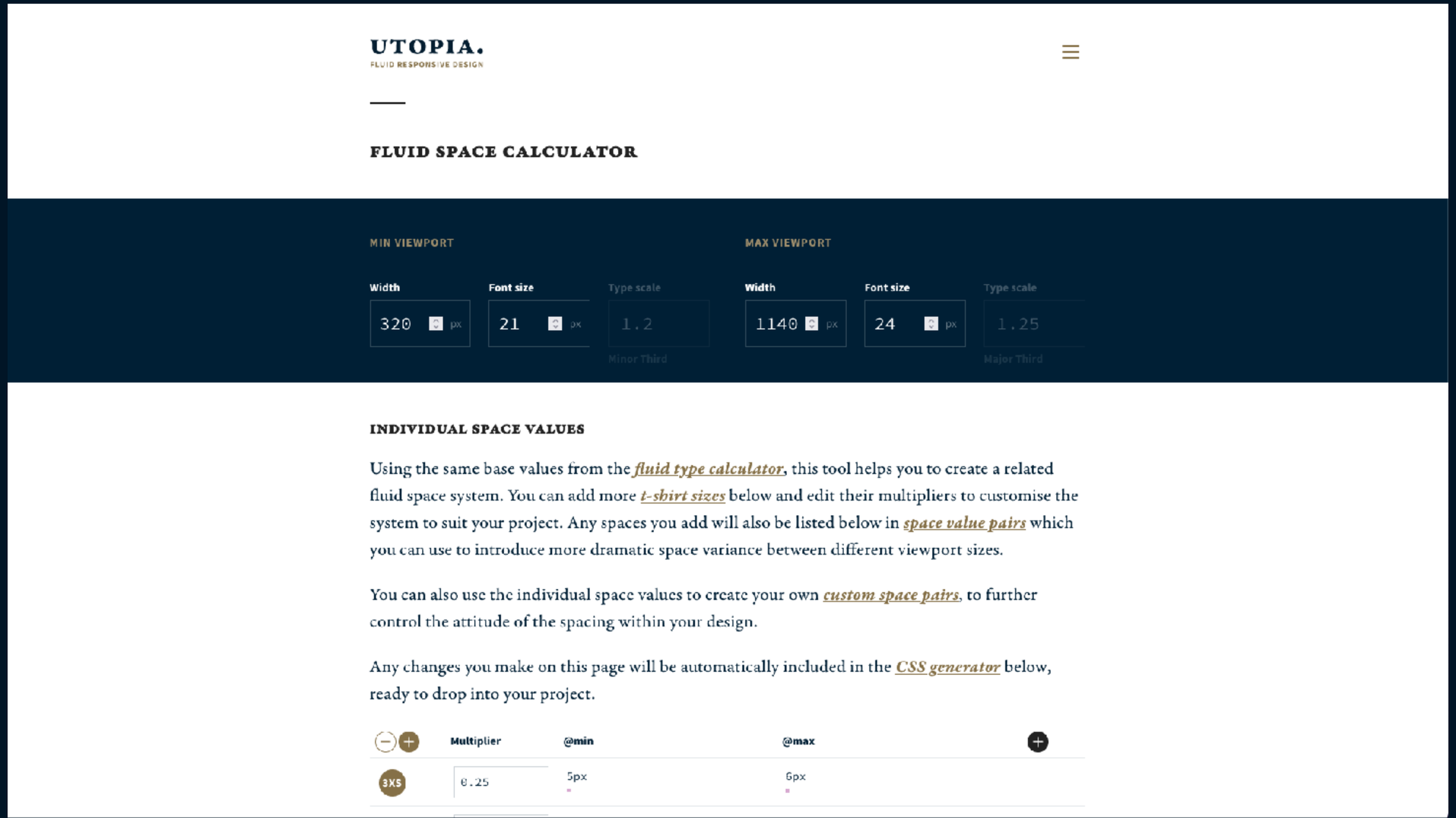
```
clamp(1rem, 2vw, 3rem)
```

Demo

codepen.io/michellebarker/pen/ExEzvBx


Size
1rem
2vw
3rem
Viewport width

utopia.fyi


UTOPIA.
FLUID RESPONSIVE DESIGN
FLUID SPACE CALCULATOR
MIN VIEWPORT
Width
320 px
Font size
21 px
Type scale
1.2
Minor Third
MAX VIEWPORT
Width
1140 px
Font size
24 px
Type scale
1.25
Major Third
INDIVIDUAL SPACE VALUES
Using the same base values from the fluid type calculator, this tool helps you to create a related fluid space system. You can add more t-shirt sizes below and edit their multipliers to customise the system to suit your project. Any spaces you add will also be listed below in space value pairs which you can use to introduce more dramatic space variance between different viewport sizes.
You can also use the individual space values to create your own custom space pairs, to further control the attitude of the spacing within your design.
Any changes you make on this page will be automatically included in the CSS generator below, ready to drop into your project.
Multiplier
@min
@max
3XS
0.25
5px
6px

Flex or Grid?

Solarpunk and Hope
We Don't Have the Right: A Decolonized Approach to Innovation
Shayna Robinson
Read the article
Fossil-Free Futures
We Need a Fossil-Free Internet by 2030
Chris Adams
Read the article
Climate Misinformation
Carbon Footprint of Unwanted Data-Use by Smartphones
CE Delft
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Tech Workers
How a Tech Worker Fought Back from Being Fired as a Union Organiser
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Sustainable Web Craft
Green Tech: What Solutions Are Being Advocated?
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Read the article

Sustainable Web Craft

Green Tech: What Solutions Are Being Advocated?

Anne Currie

Read the article

Demo

codepen.io/michellebarker/pen/poVvabe

Container-relative units

`cqw`	query container width
`cqh`	query container height
`cqi`	query container inline size
`cqb`	query container block size
`cqmin`	smallest of ‘cqi’ or ‘cqb’
`cqmax`	largest of ‘cqi’ or ‘cqb’

Browser support

container-query-polyfill

github.com/GoogleChromeLabs/container-query-polyfill

Subgrid

Standard ticket €650

- 2-day conference pass
- Unlimited access to all the videos after the event
- Attendee party
- Goody bag
- Discounts from your favourite brands

"

Possibly the best conference on the planet! I've already booked my ticket for next year!

A person

Premium ticket €850

*Limited number available

Everything in the Standard package, plus:

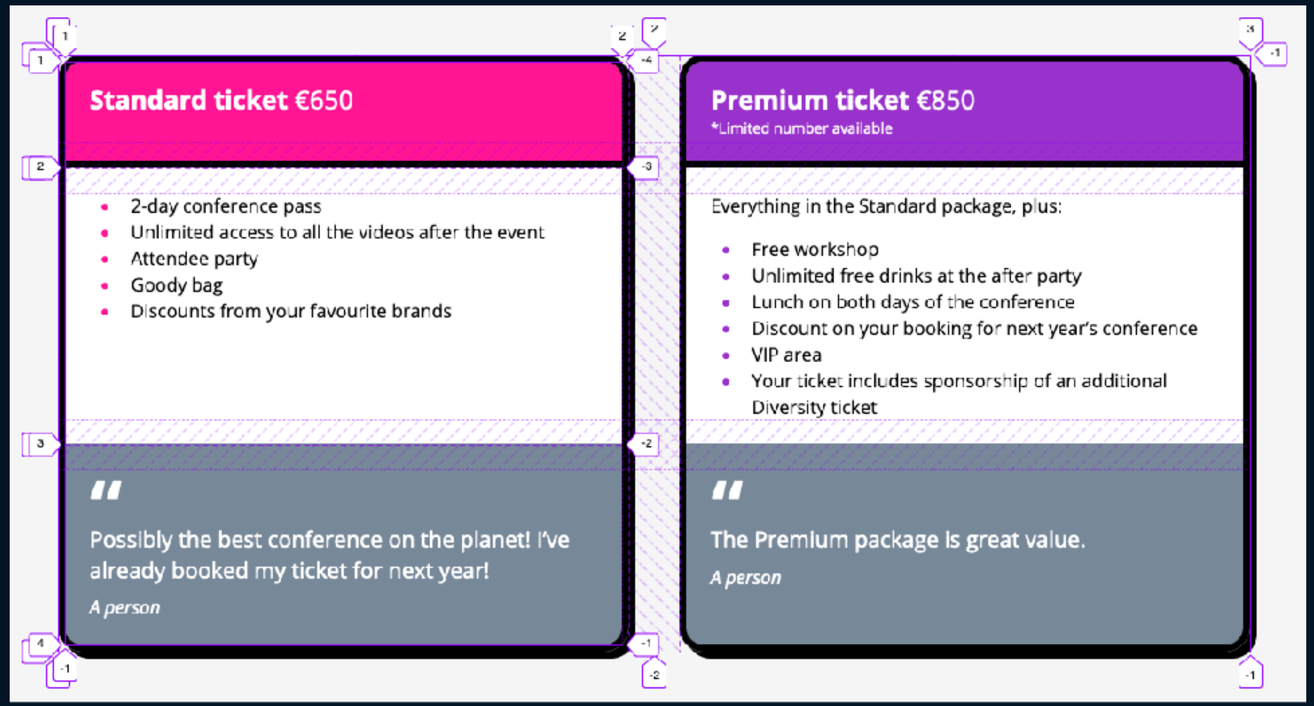
- Free workshop
- Unlimited free drinks at the after party
- Lunch on both days of the conference
- Discount on your booking for next year's conference
- VIP area
- Your ticket includes sponsorship of an additional Diversity ticket

"

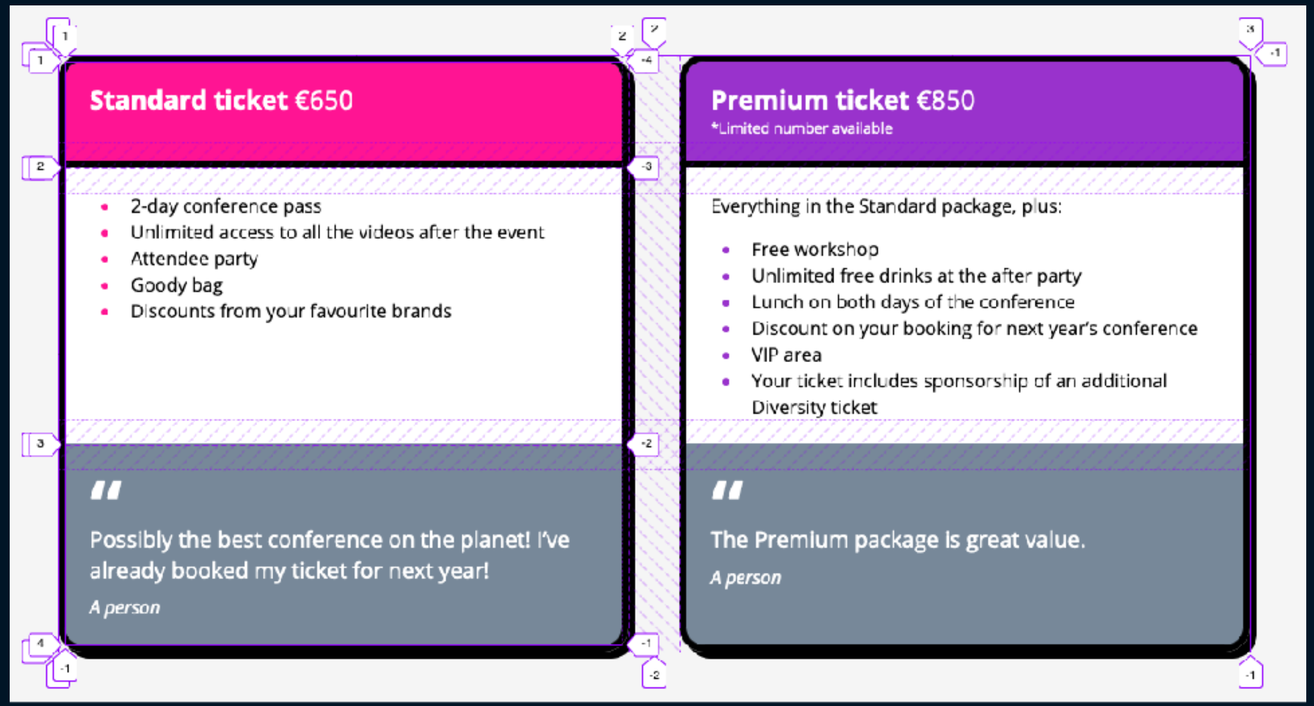
The Premium package is great value.

A person

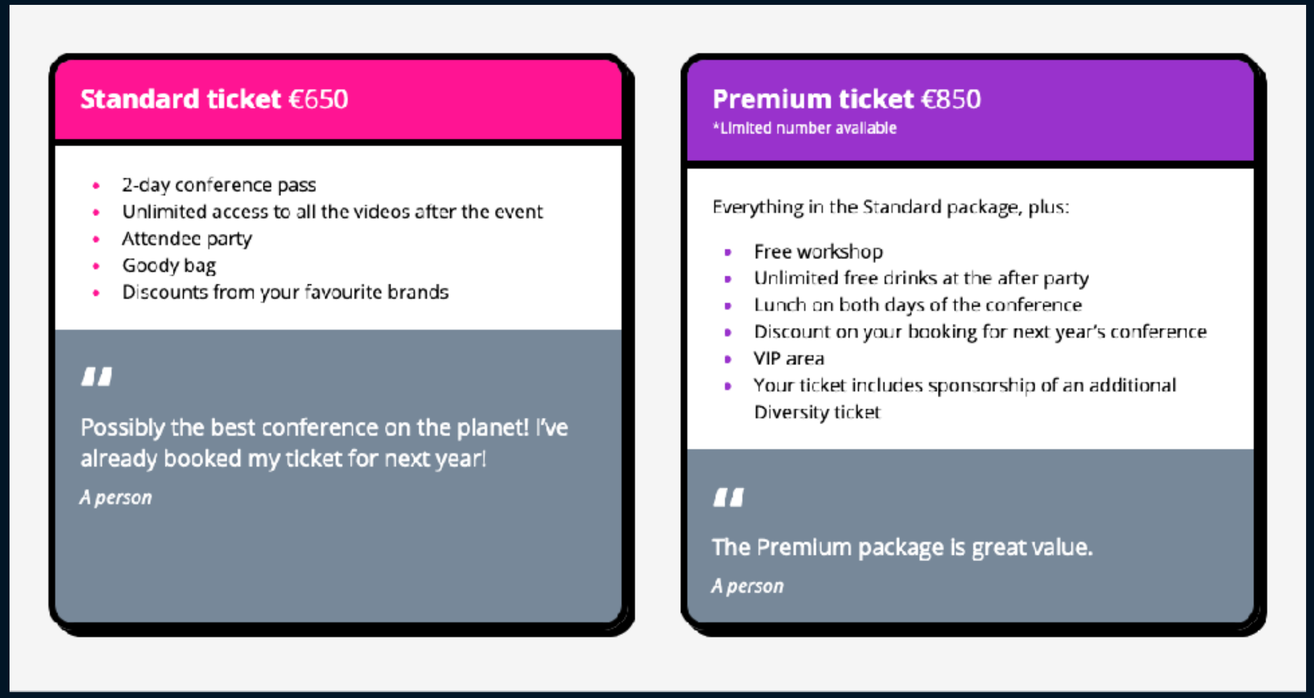
```css
.card {
  grid-row: span 3;
  display: grid;
  gap: 0;
  grid-template-rows: subgrid;
}
```



```css
.card {
  grid-row: span 3;
  display: grid;
  gap: 0;
  grid-template-rows: subgrid;
}
```



No subgrid?
No problem!

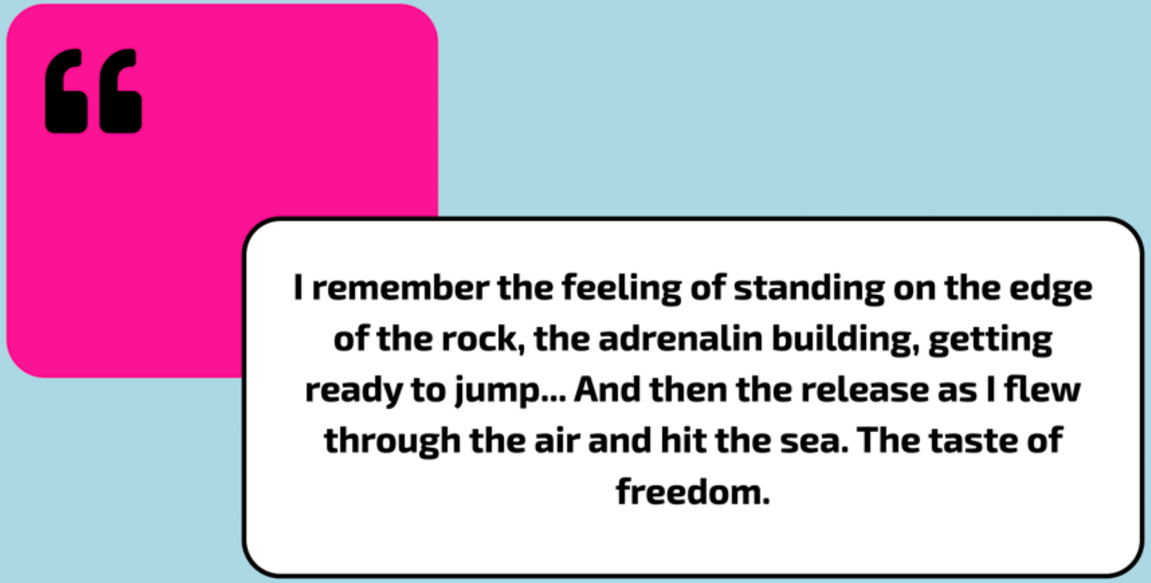


```
.card {
  /* Code for browsers without subgrid */
}

@supports (grid-template-columns: subgrid) {
  .card {
    grid-template-rows: subgrid;
    /* Code for browsers that support subgrid */
  }
}
```

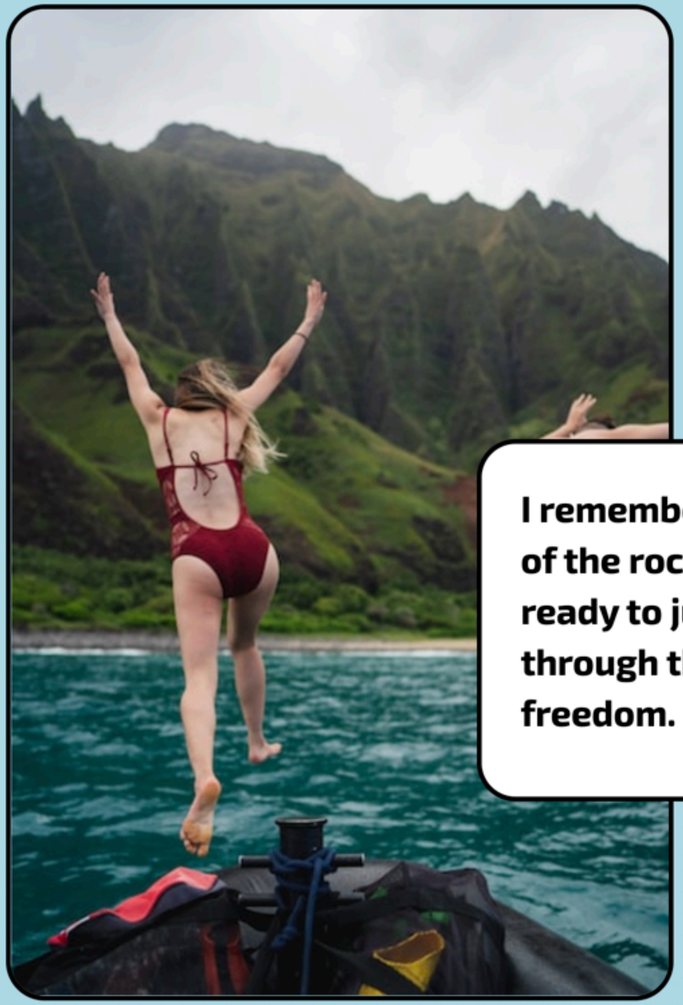
:has()
(the parent selector)

```css
.component blockquote {
  grid-column: 2 / span 4;
  grid-row: 2 / span 2;
  text-align: center;
}
```



```css
.component:has(img) img {
  grid-row: 1 / span 2;
  grid-column: 1 / span 3;
}

.component:has(img) blockquote {
  grid-row: 2 / span 2;
  grid-column: 3 / span 4;
  text-align: left;
}
```

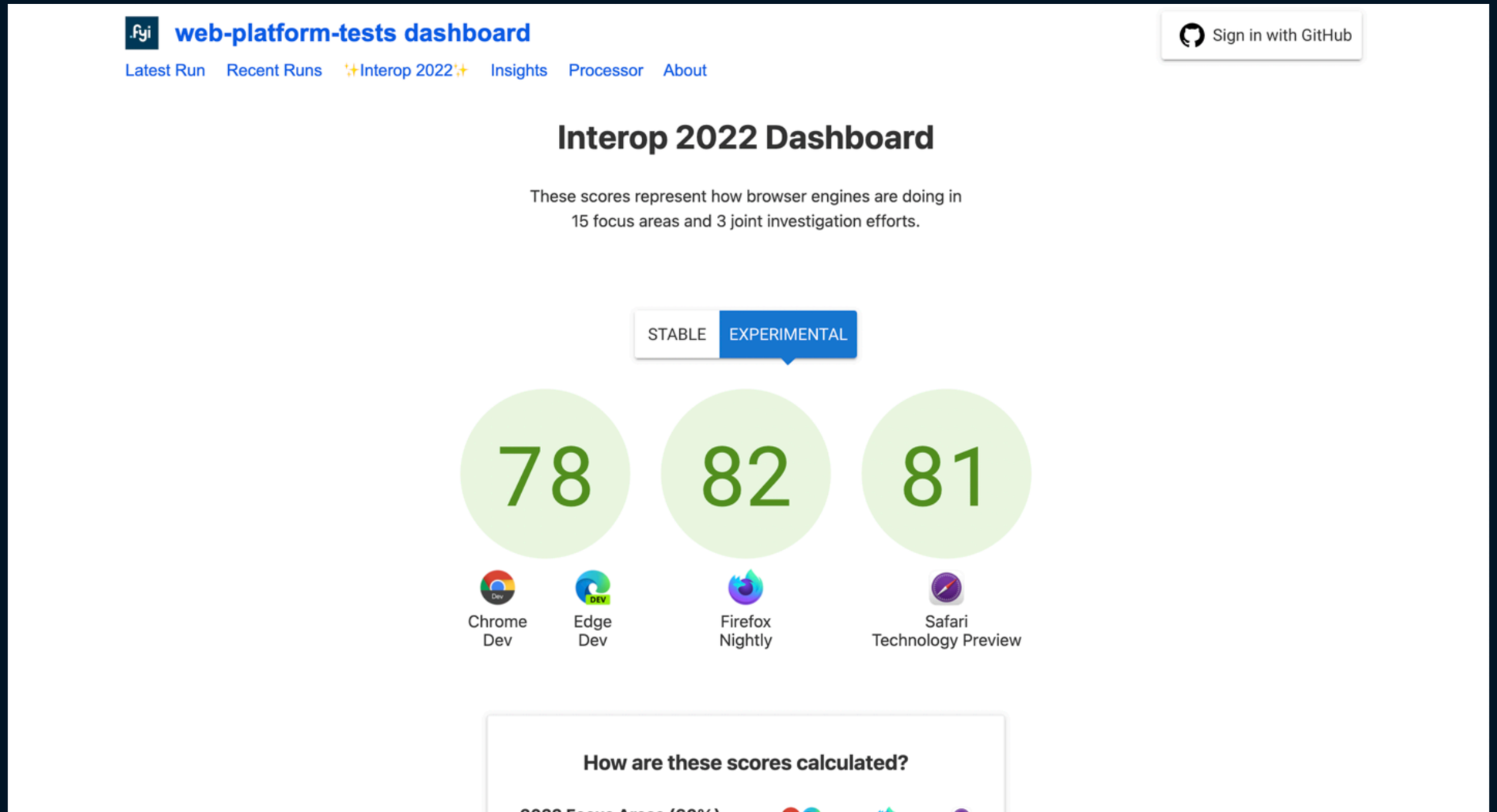


> I remember the feeling of standing on the edge of the rock, the adrenalin building, getting ready to jump... And then the release as I flew through the air and hit the sea. The taste of freedom.

Demo

codepen.io/michellebarker/pen/poVvabe

wpt.fyi/interop-2022



Thank you

@MicheBarks / @CSSInRealLife