

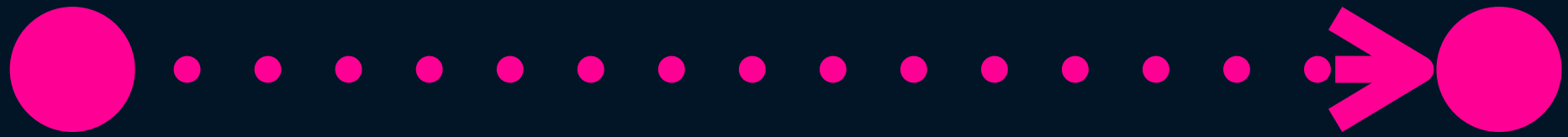
Modern

CSS Layout

is

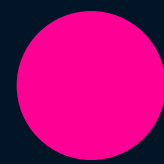
Awesome!



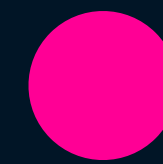


Hard

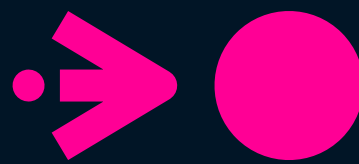
Easy



Hard



Easy



**CSS can
do THAT?!!**

Modern

CSS Layout

is

Awesome!*

***(I promise)**

Aspect-ratio



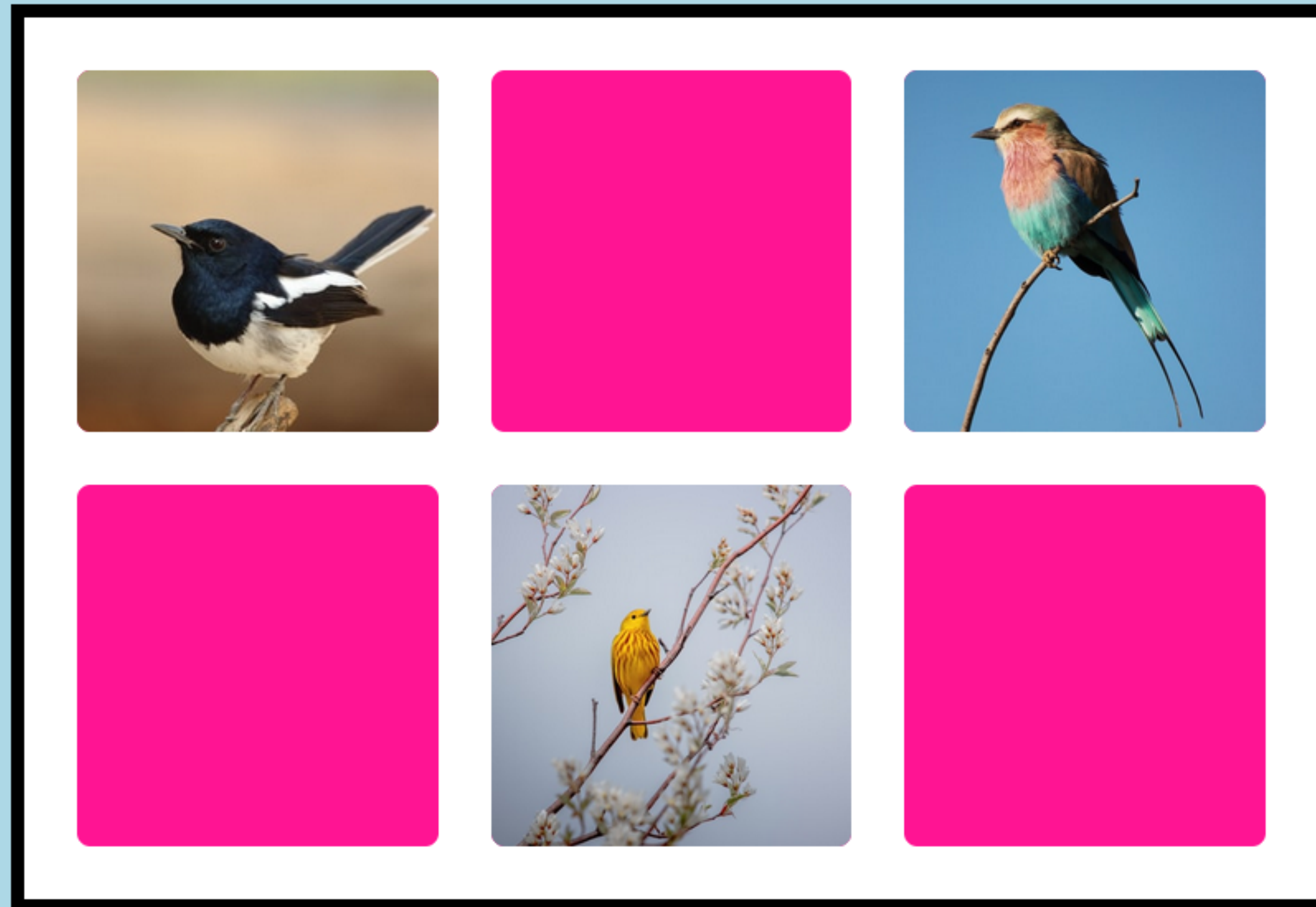
Before 🙄

```
.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;  
}
```

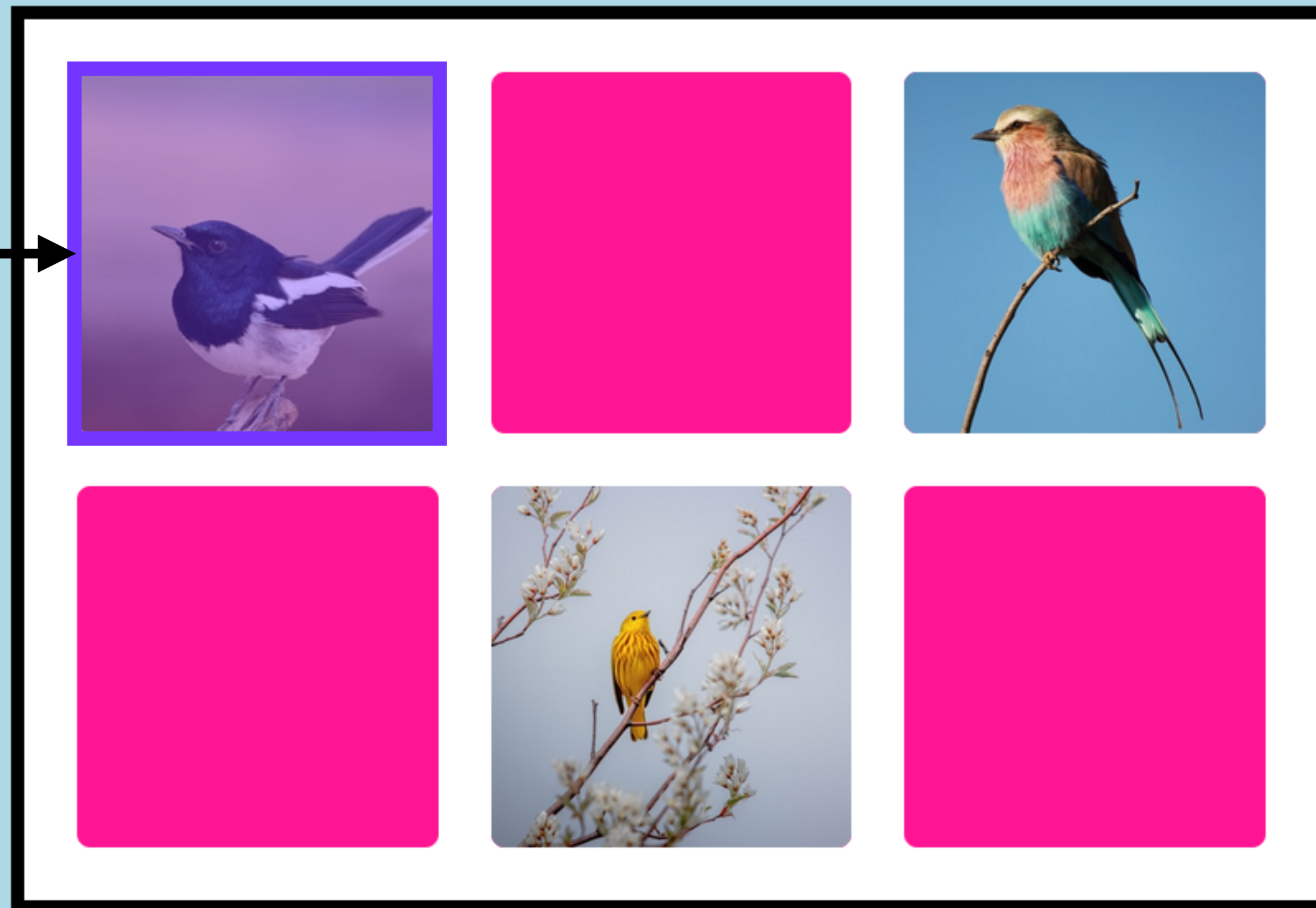
After 😊

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

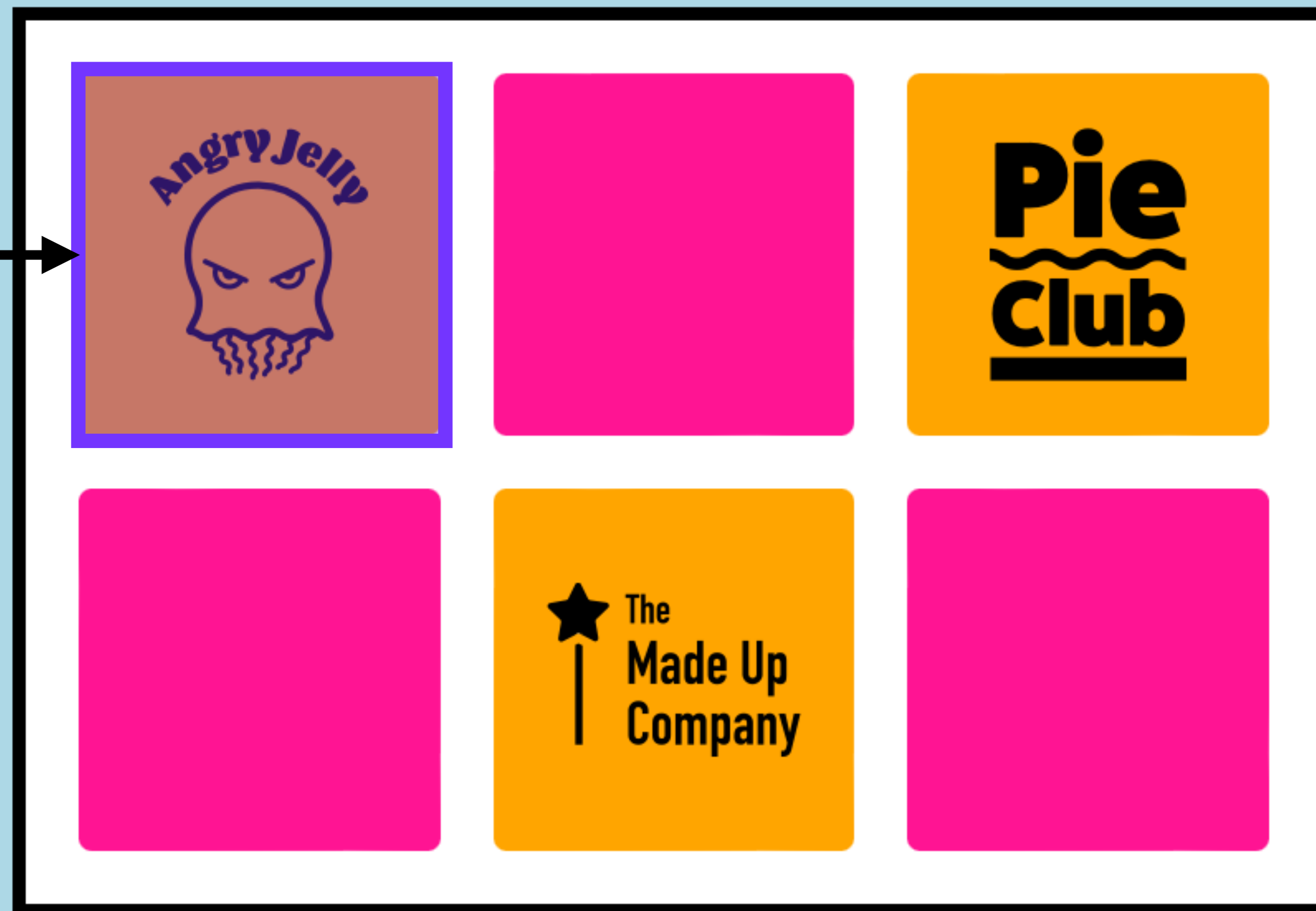
```
.item {  
  aspect-ratio: 1;  
}
```




```
img {  
  display: block;  
  width: 100%;  
  height: 100%;  
  object-fit: cover;  
}
```

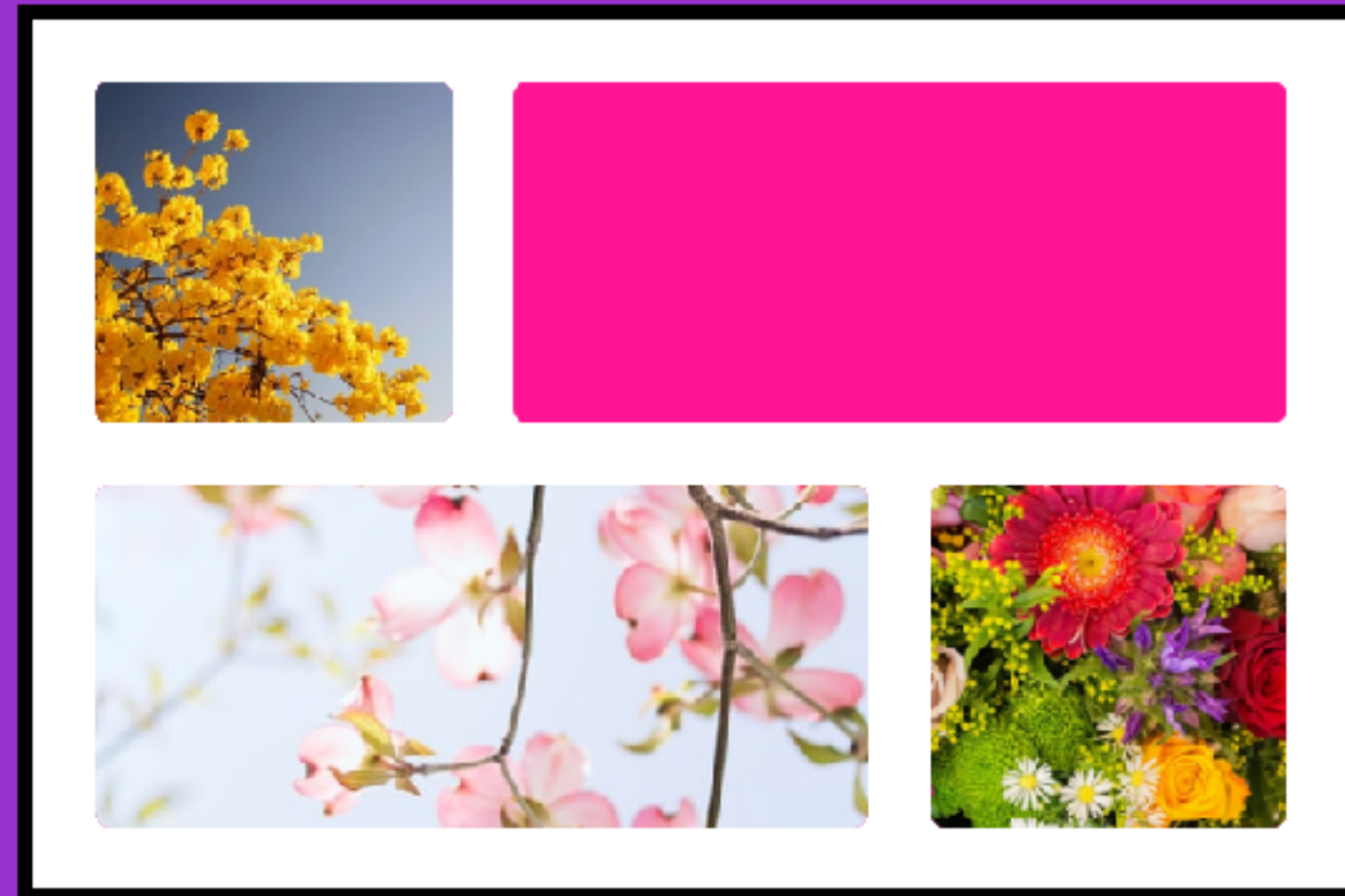
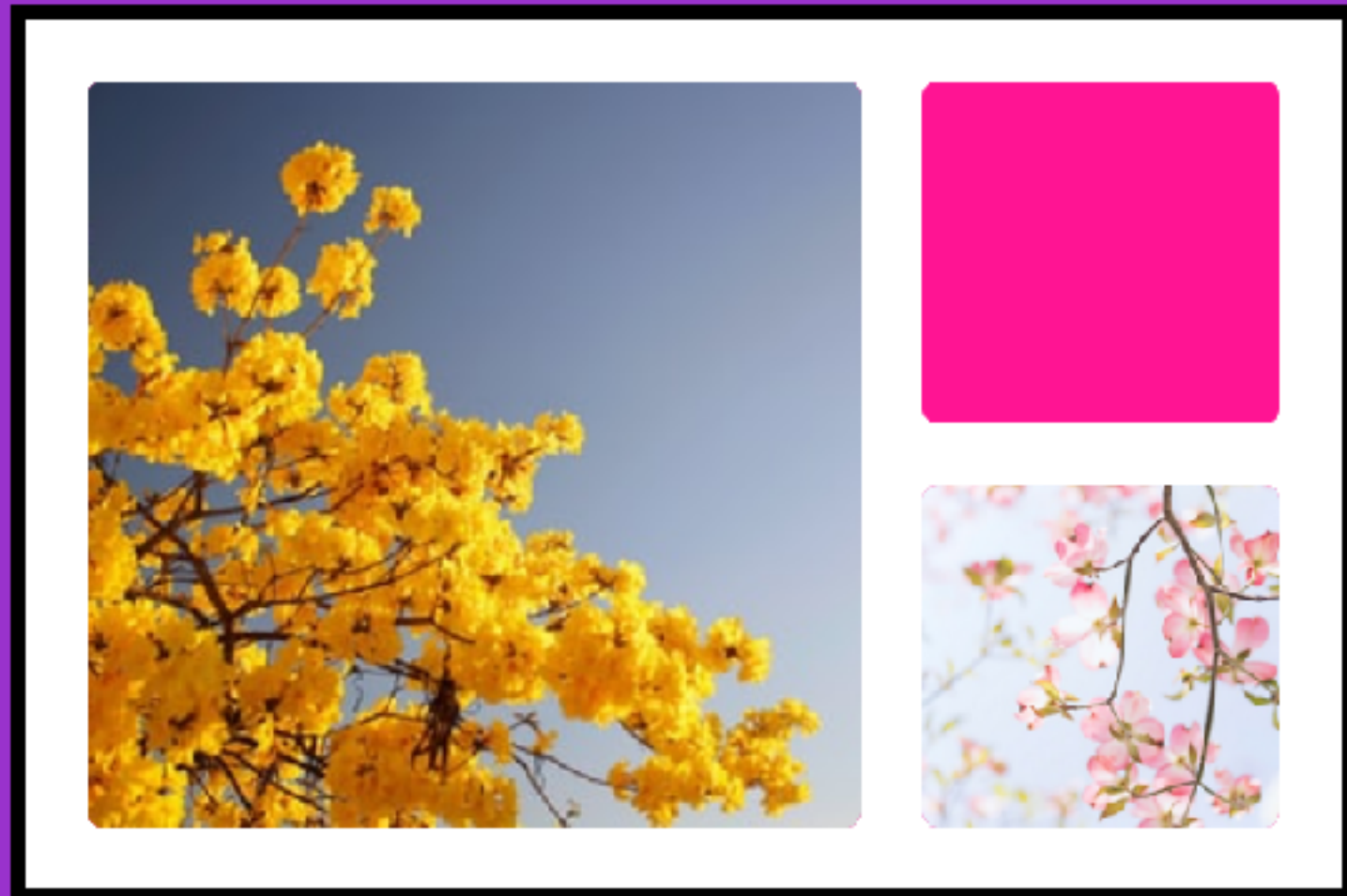


```
img {  
  display: block;  
  width: 100%;  
  height: 100%;  
  object-fit: contain;  
}
```



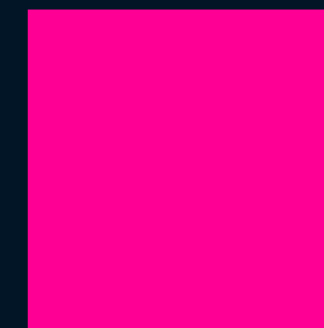
I have an aspect ratio of $3 / 2$

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.





Flex gap



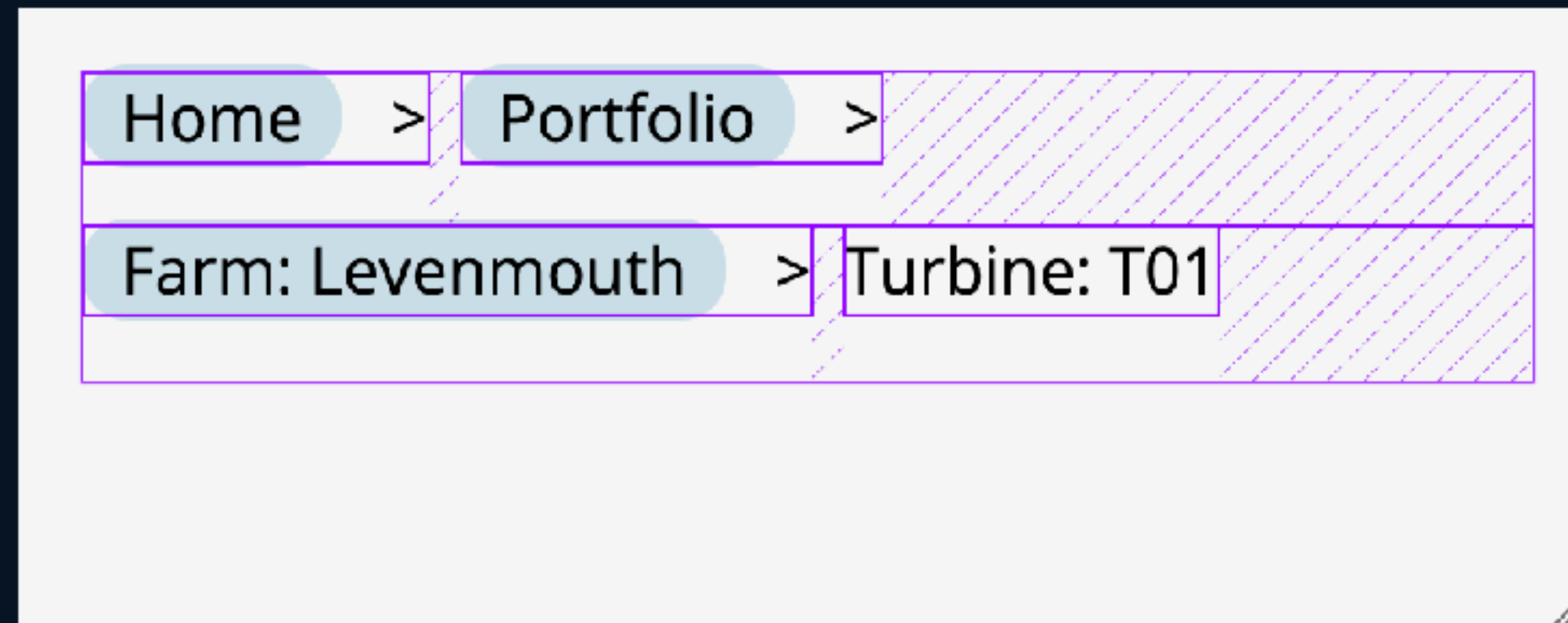
The problem

Home > Portfolio > Farm: Levenmouth > Turbine: T01

The problem

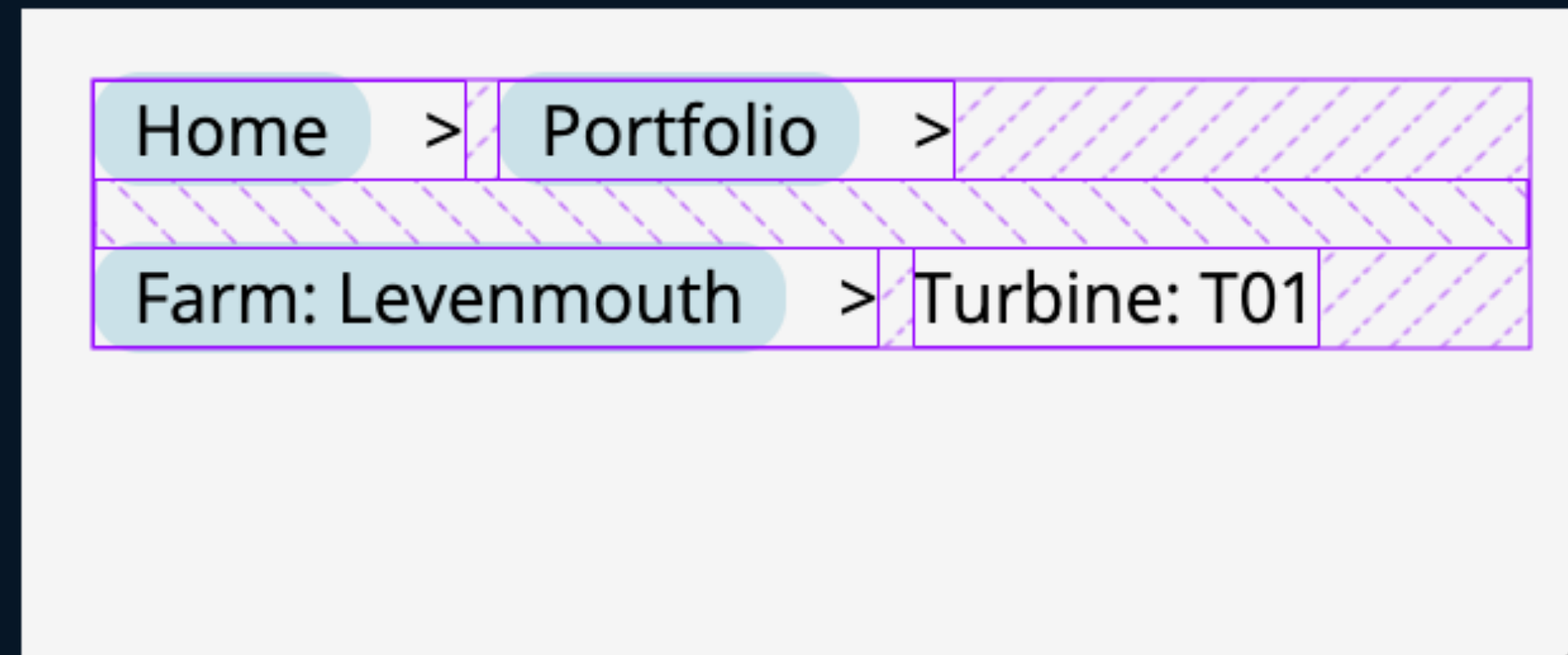
Home > Portfolio >
Farm: Levenmouth > Turbine: T01

The problem

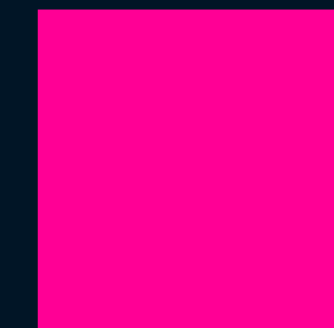


The solution

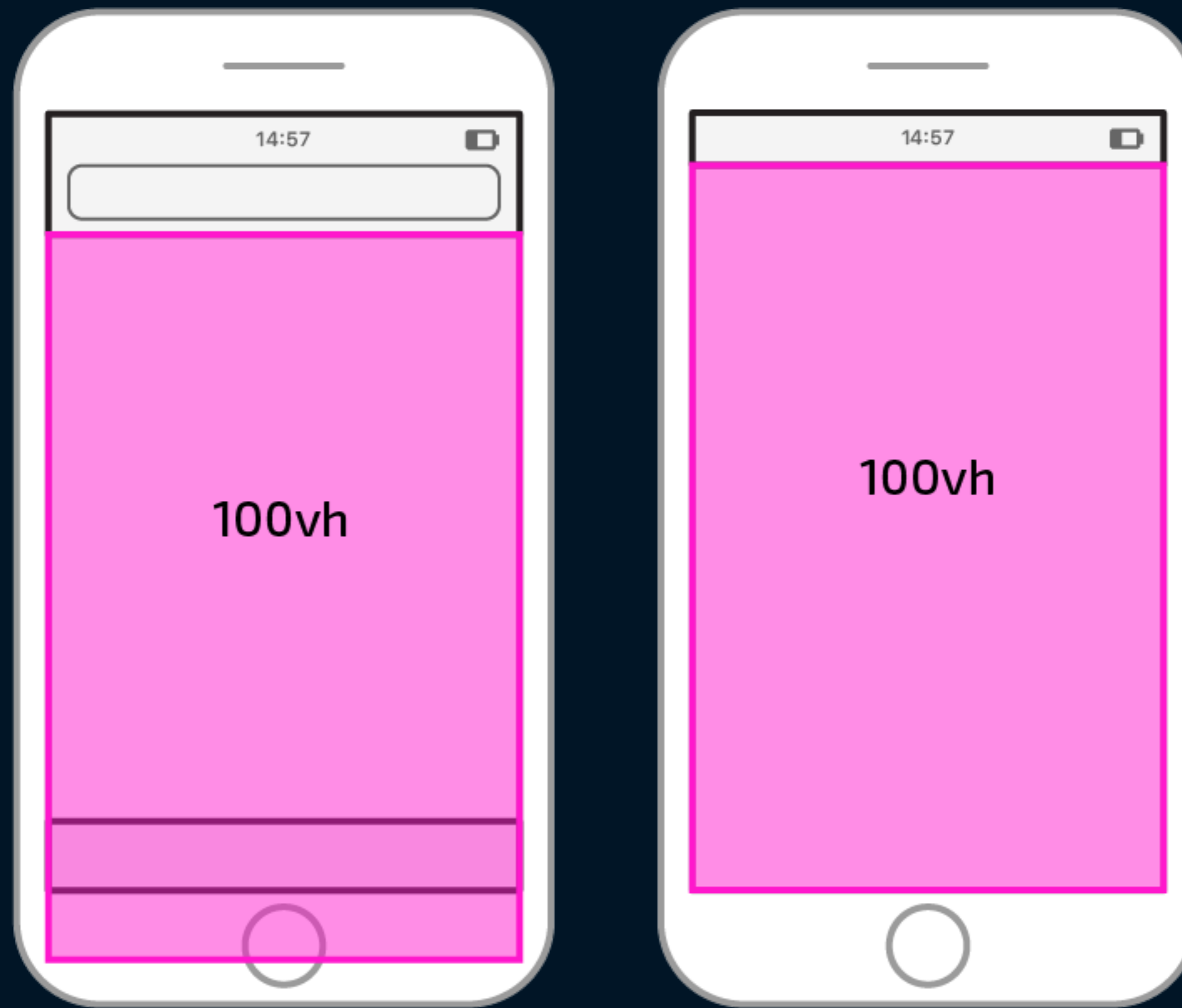
```
ul {  
  gap: 1em 0.5em;  
}
```



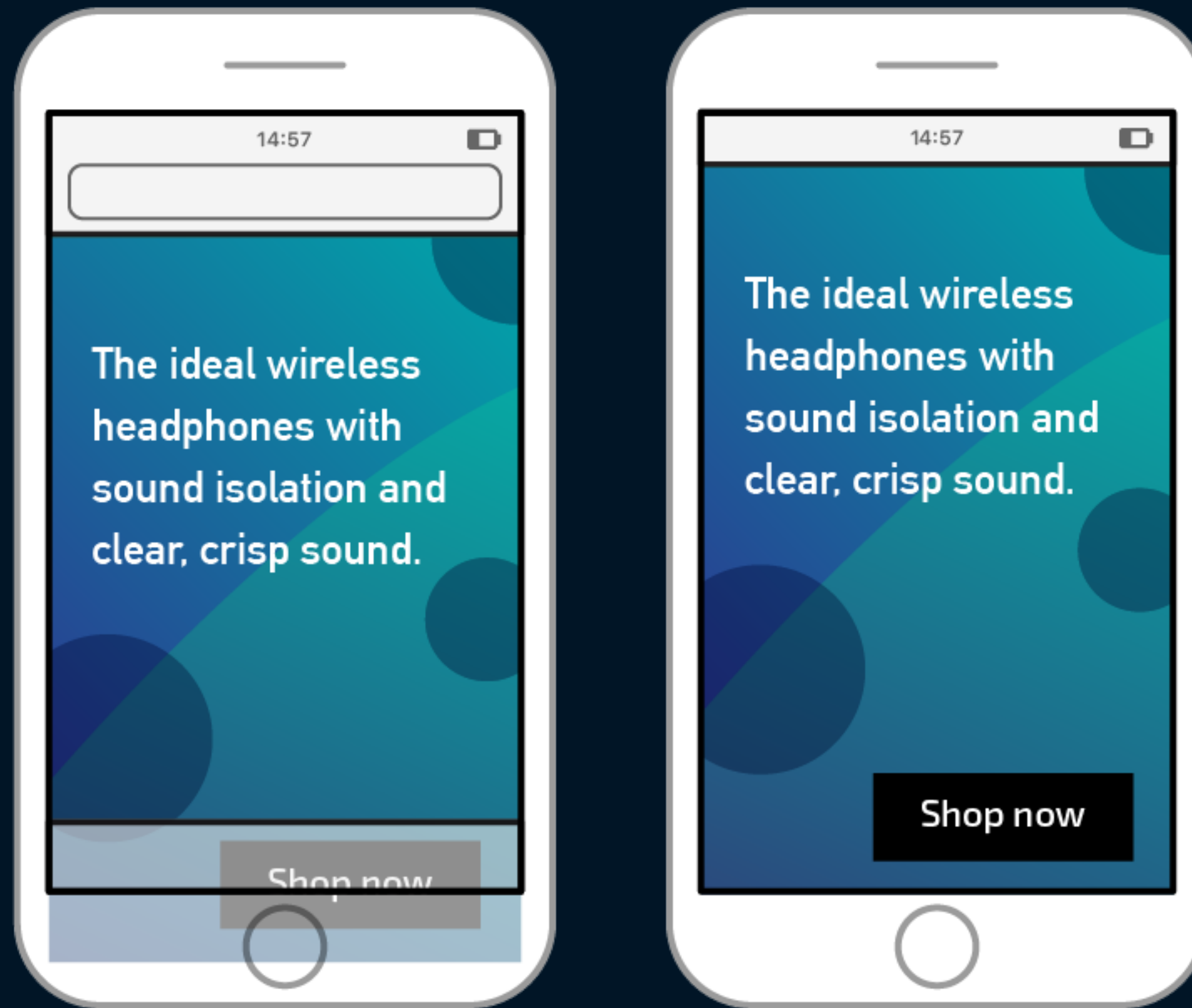
New and improved viewport units



The problem

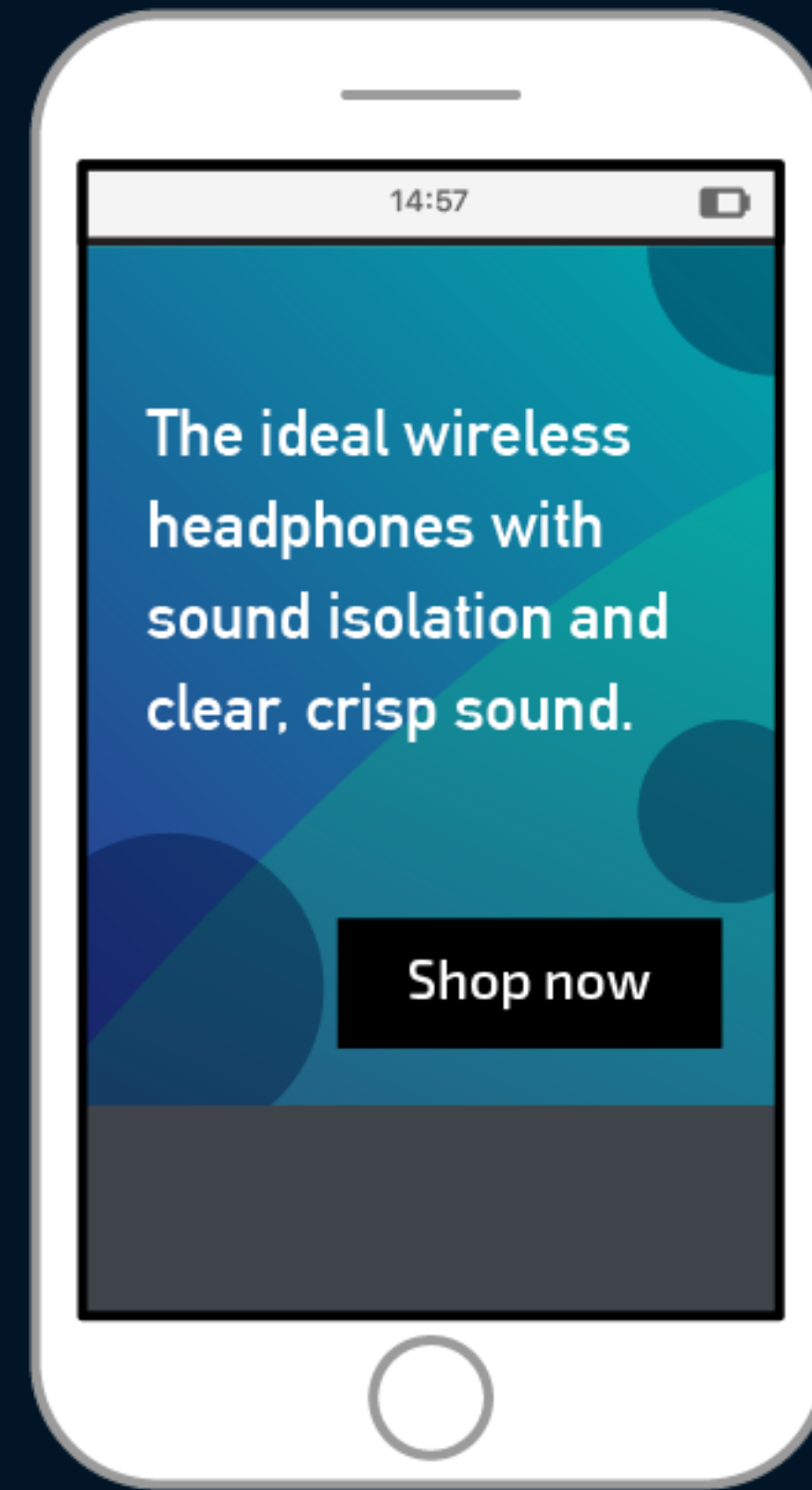
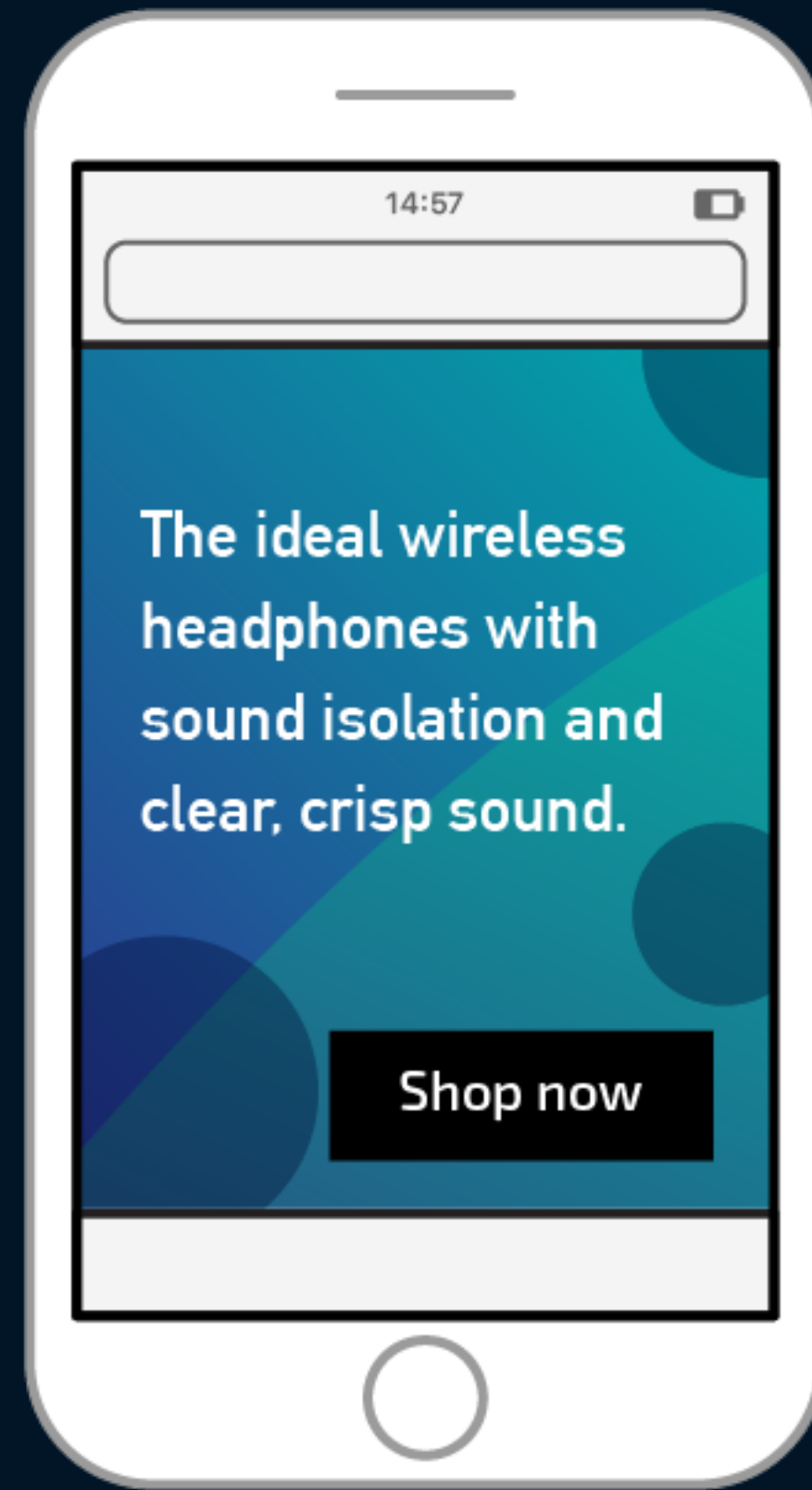


The problem



The solution

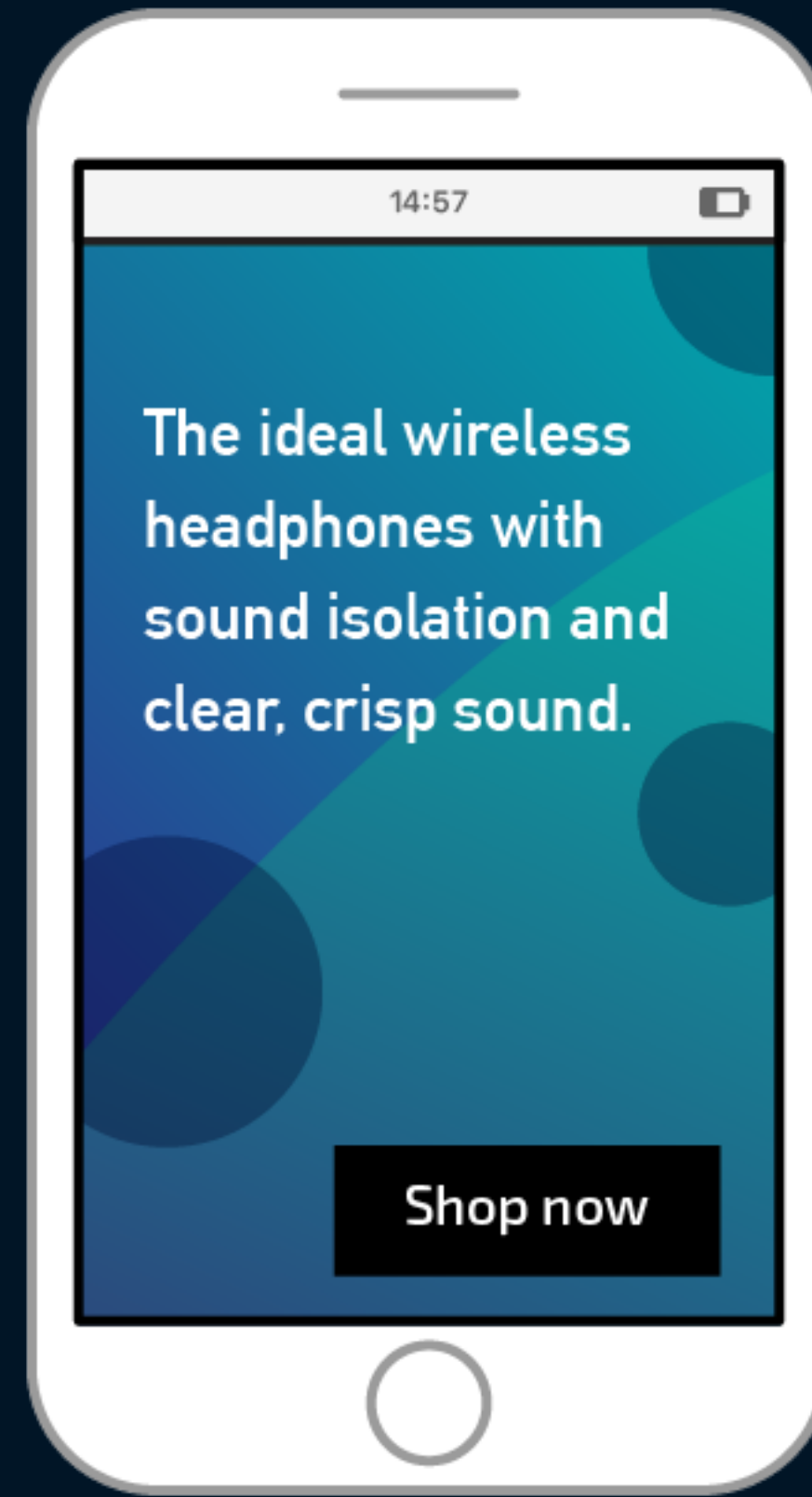
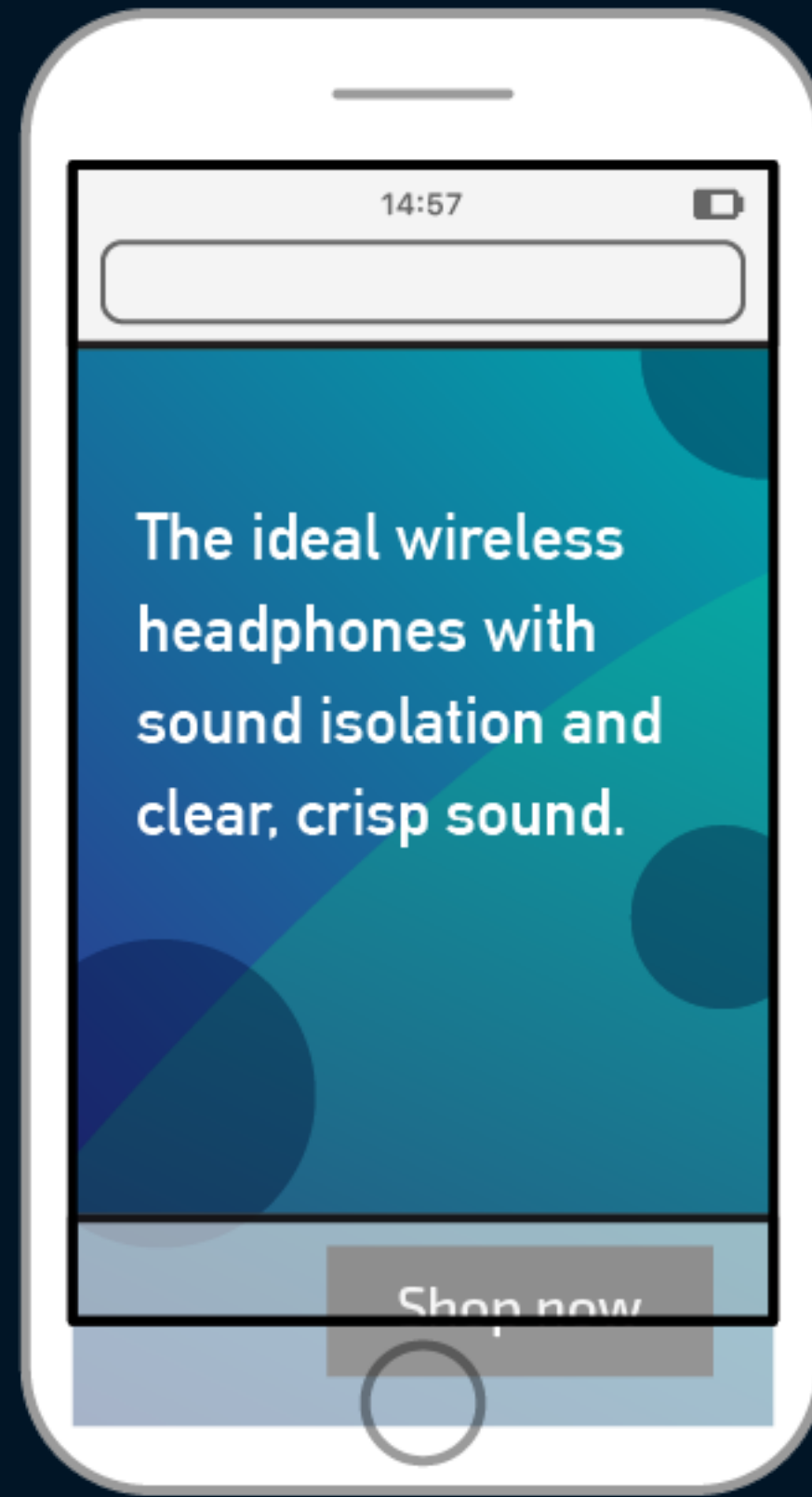
100svh



100svh

The solution

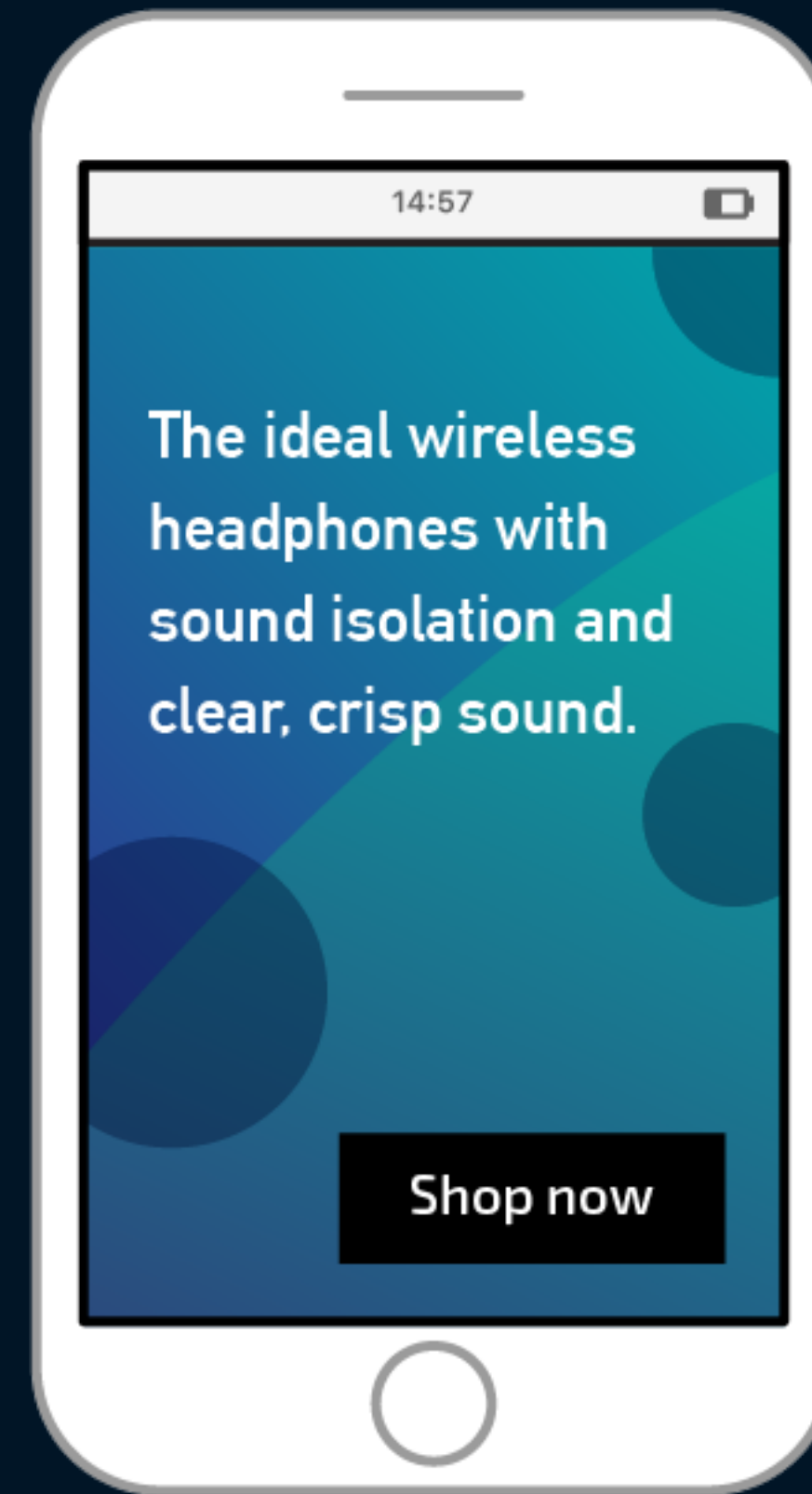
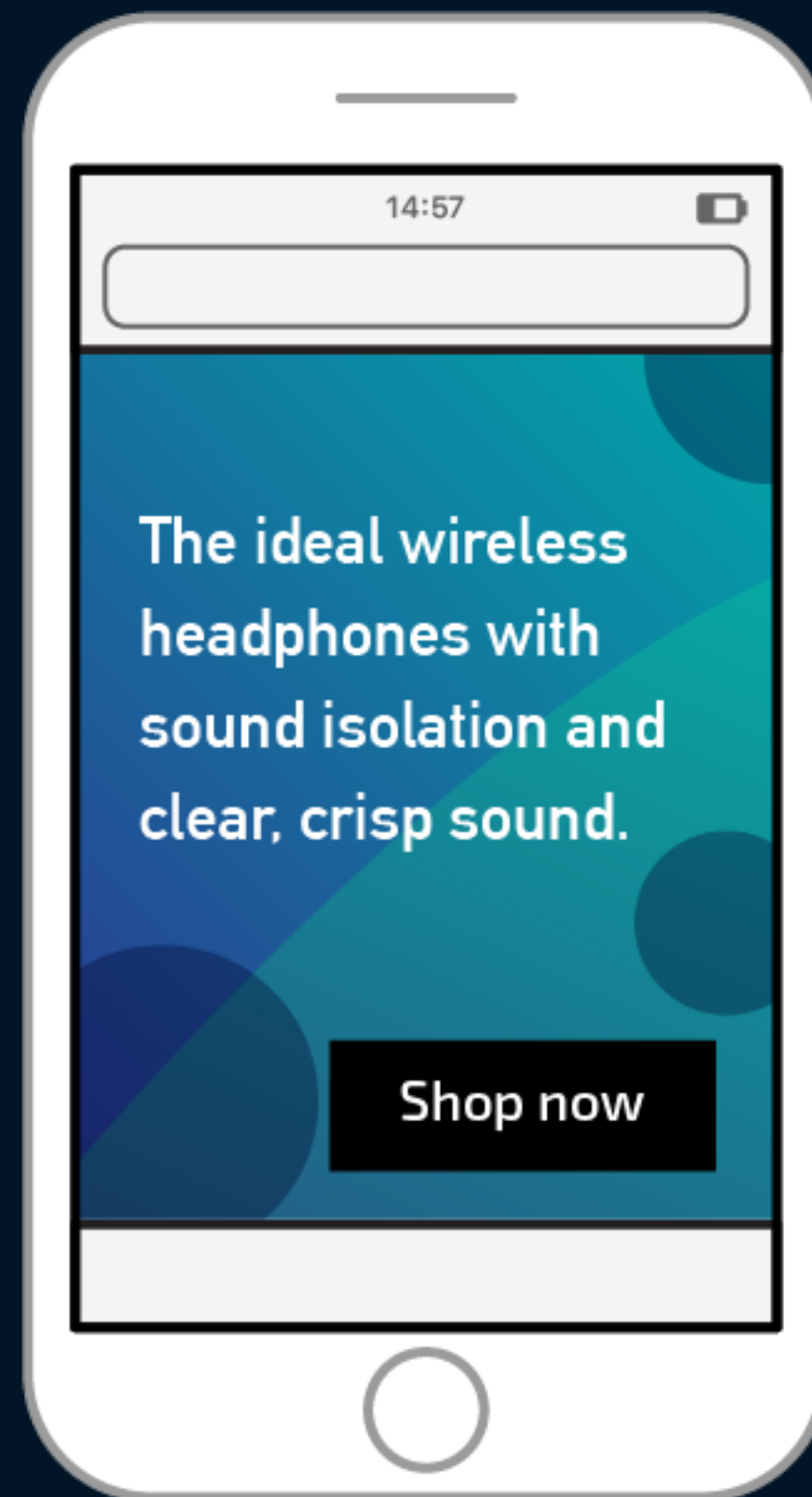
100lvh



100lvh

The solution

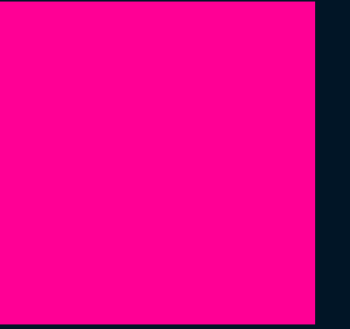
100dvh



100dvh

Overlaying elements

(Putting things on top of each other)



```
figcaption {  
  position: absolute;  
  top: 0;  
  right: 0;  
  bottom: 0;  
  left: 0;  
}
```

The drumset I wish I
had



```
figcaption {  
  position: absolute;  
  inset: 0;  
}
```

The drumset I wish I
had



```
figcaption {  
  position: absolute;  
  inset: 50% 50% 0 0;  
}
```



```
figcaption {  
  position: absolute;  
  inset-block: 50px;  
}
```

A photograph of a drumset, including a snare drum, two tom-toms, and a cymbal, is shown with a semi-transparent magenta overlay. The text "The drumset I wish I had" is written in white, bold, sans-serif font over the top portion of the image.

The drumset I wish I
had

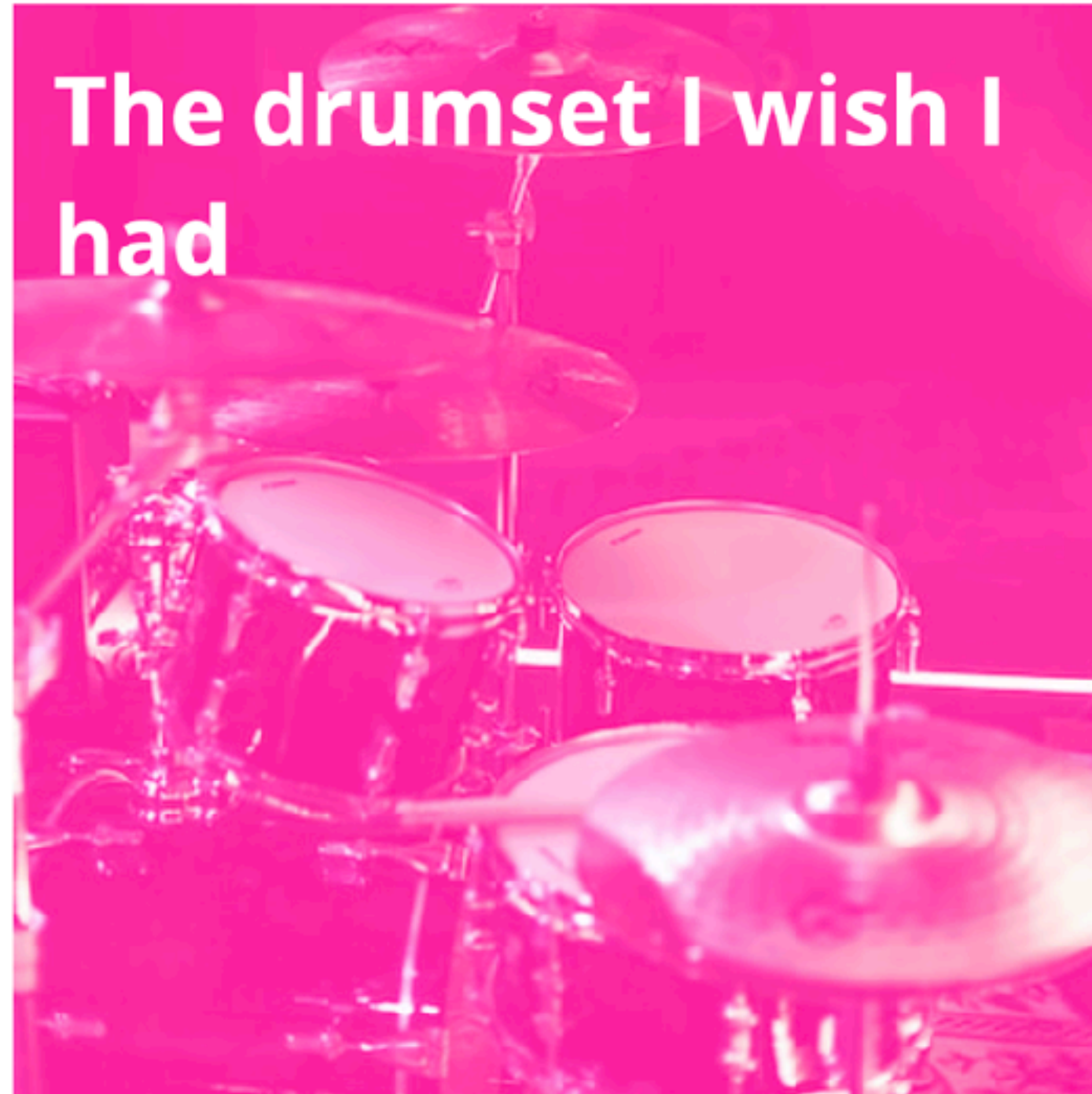
```
figcaption {  
  position: absolute;  
  inset-inline: 50px;  
}
```

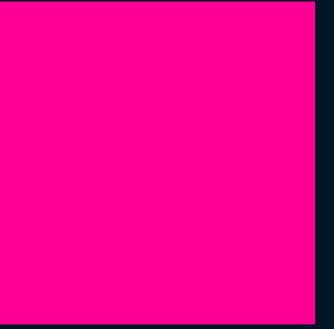
A photograph of a drumset, including a snare drum, two tom-toms, and a cymbal, is shown with a semi-transparent pink overlay. The text "The drumset I wish I had" is written in white, bold, sans-serif font in the upper left corner of the pink area.

The drumset I
wish I had

```
figure {  
  display: grid;  
}  
  
figure > * {  
  grid-area: 1 / 1;  
}
```

The drumset I wish I
had





Intrinsic sizing

min-content
max-content
fit-content



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:

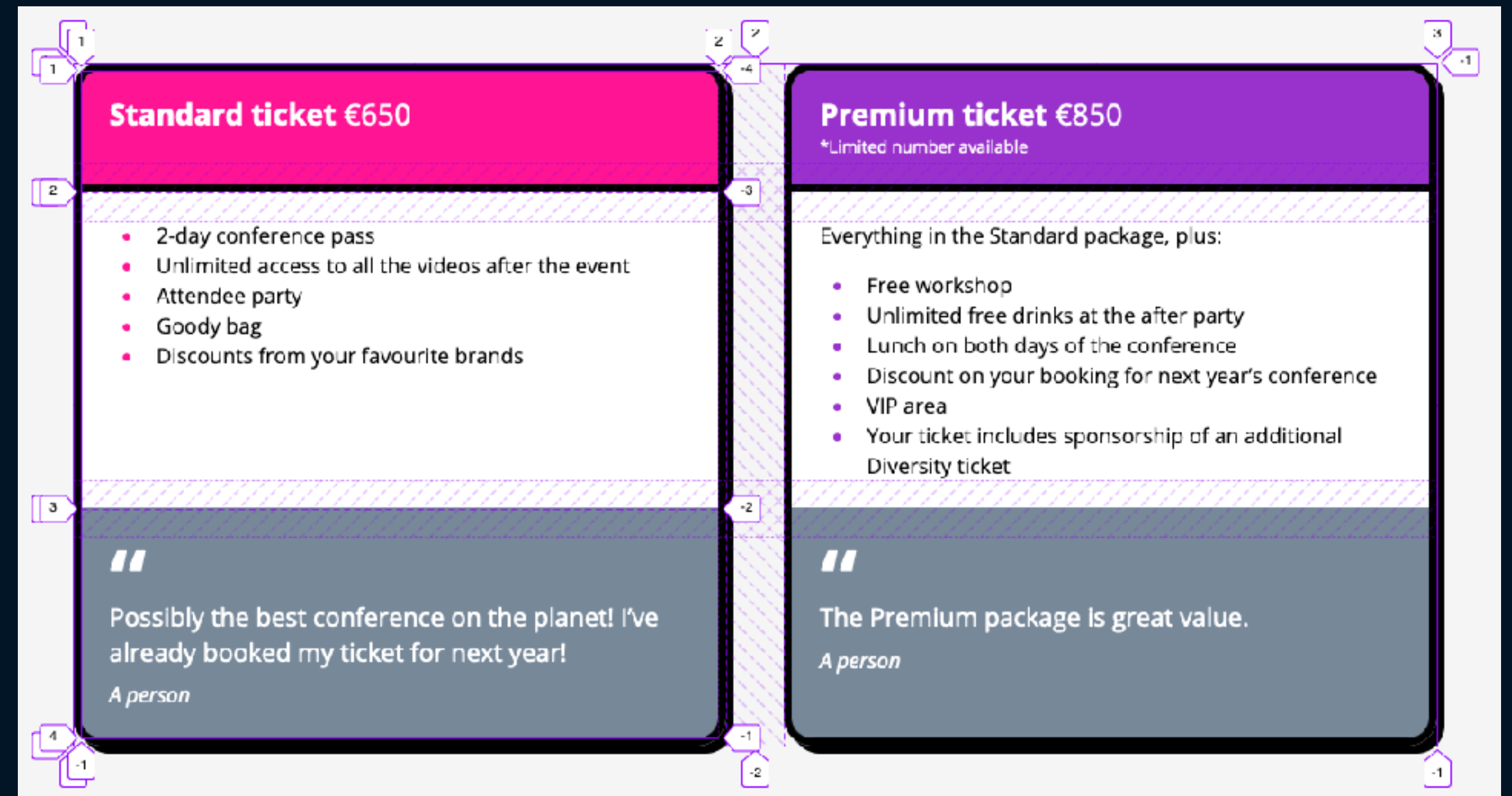
- Free workshop
- Unlimited free drinks at the after party
- Lunch on both days of the conference
- Discount on your booking for next year's conference
- VIP area
- Your ticket includes sponsorship of an additional Diversity ticket

“

The Premium package is great value.

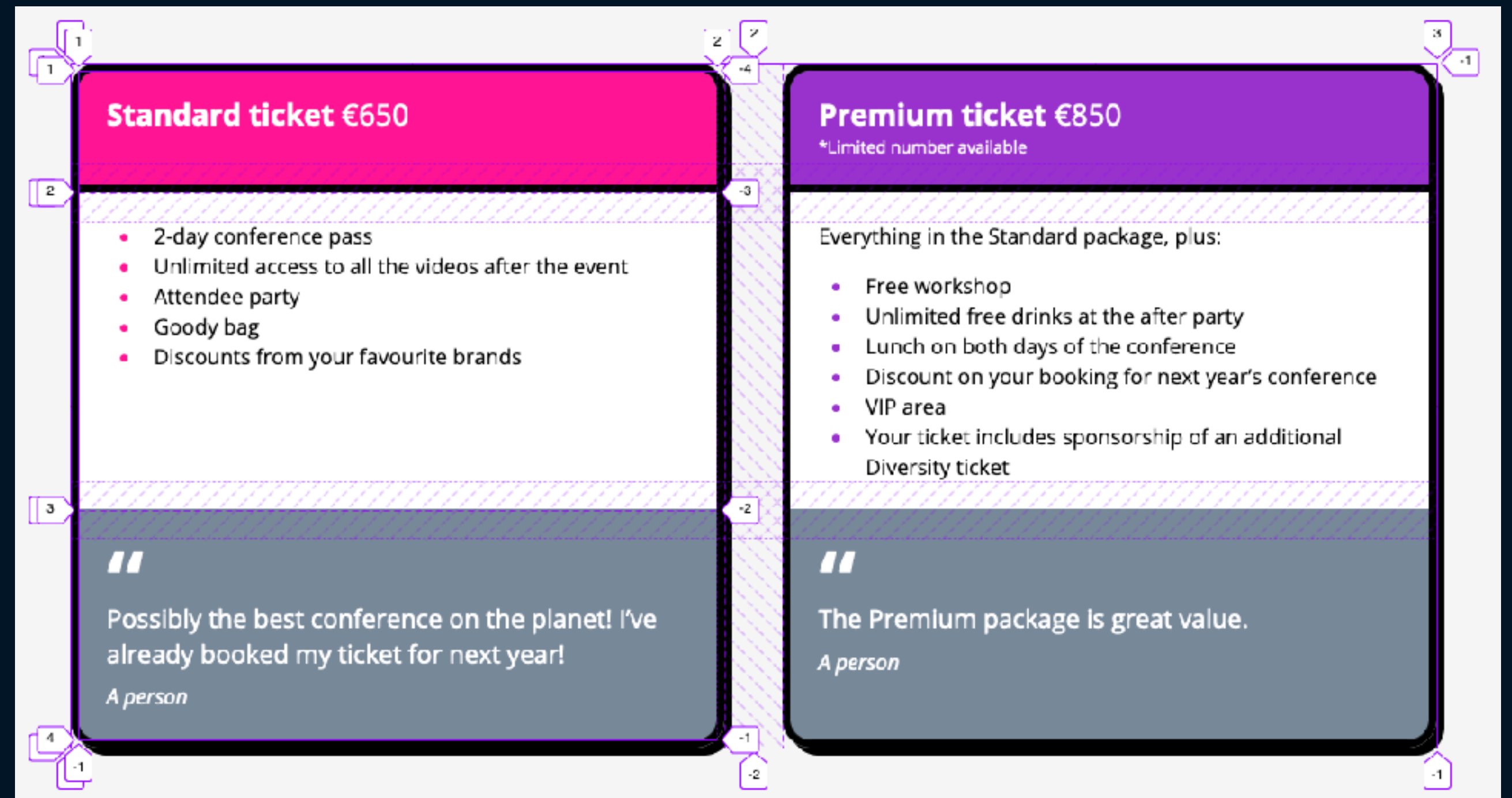
A person

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



```
.card {
  grid-row: span 3;

  display: grid;
  gap: 0;
  grid-template-rows: subgrid;
}
```



**No subgrid?
No problem!**

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

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

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

Spring is here!



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Spring is here!



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Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Spring is here!



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Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Spring is here!



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Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

```
figure {  
  display: grid;  
  grid-template: subgrid / subgrid;  
}
```

Spring is here!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

```
img {  
  grid-column: 1 / span 3;  
  grid-row: 1 / span 2;  
}
```

Spring is here!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

```
figcaption {  
  grid-column: 4 / span 2;  
  grid-row: 2;  
}
```

Spring is here!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Fig. 01 Laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Responsive layouts





Masterworks

A custom-tailored heirloom instrument for the drummer who wants ultimate sonic and visual control.



President Series Phenolic

A true original from our 75 year history, the President Series Phenolic Diamond Jubilee Edition drum set's immaculate vintage style is a limited production modern-classic with retooled, modern elements.



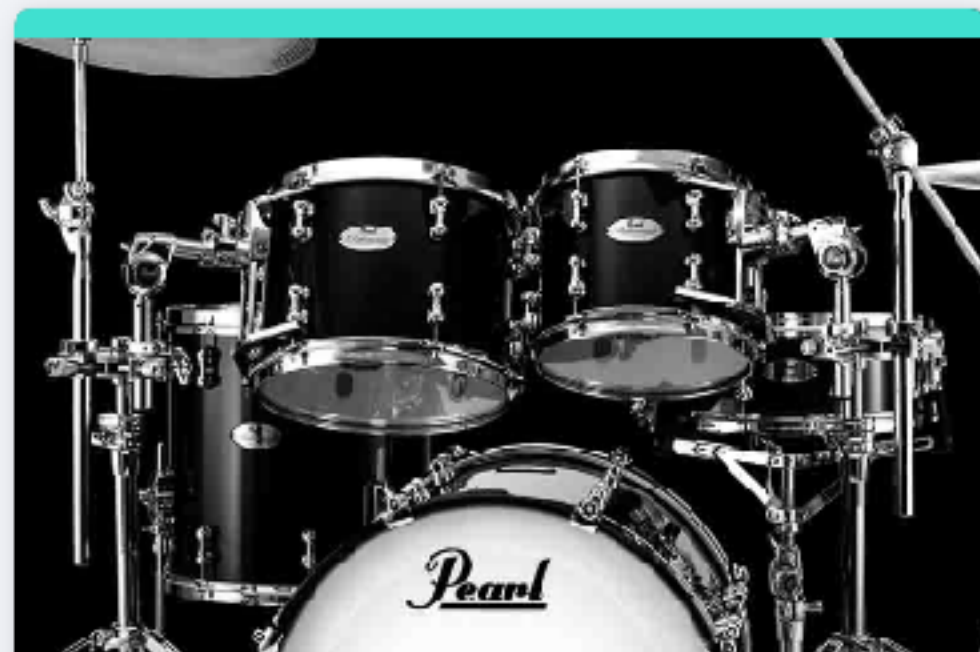
President Series Deluxe

Culled from the very origins of The World's Largest Drum Company, Pearl President Series Deluxe drums revive the darkly unique tonality of Lauan Shells for a traditionally full, controlled playing experience.



Reference

Individually engineered with premium Masterworks materials for articulate power and projection.



Reference Pure

Reference Recipe shell engineering in a lighter format for increased body and sustain.



Music City Custom

Precisely assembled in Nashville, TN for the true Pearl Artist experience. Choose four premium shell types.



Masterworks

A custom-tailored heirloom instrument for the drummer who wants ultimate sonic and visual control.



President Series Phenolic

A true original from our 75 year history, the President Series Phenolic Diamond Jubilee Edition drum set's immaculate vintage style is a limited production modern-classic with retooled, modern elements.



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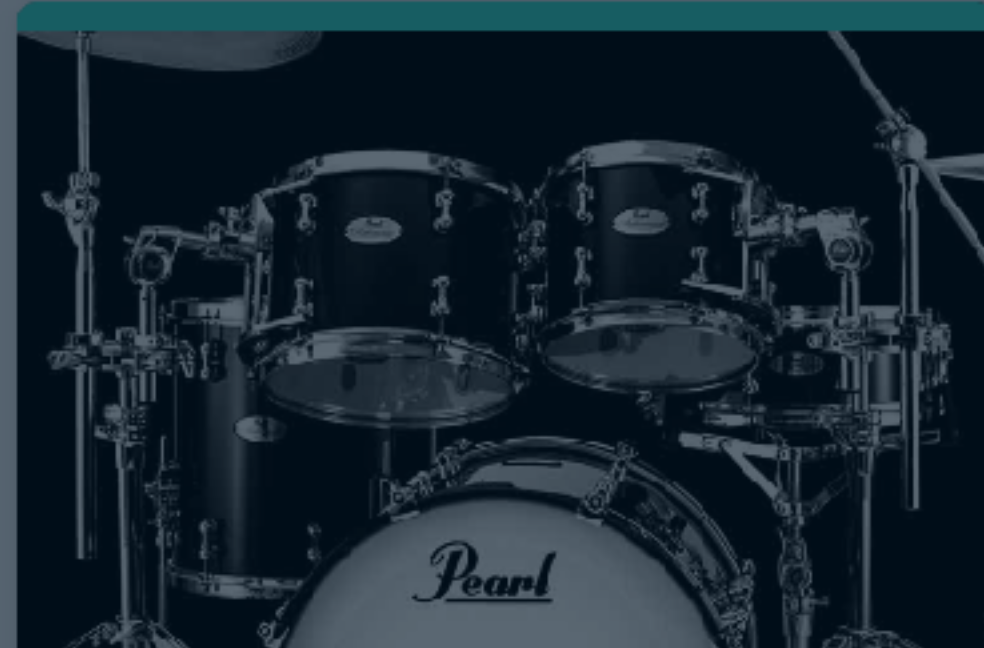
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Reference Pure

Reference Recipe shell engineering in a lighter format for increased body and sustain.



Music City Custom

Precisely assembled in Nashville, TN for the true Pearl Artist experience. Choose four premium shell types.



Reference

Individually engineered with premium Masterworks materials for articulate power and projection.



Demo

Container-relative units

<code>cqw</code>	query container width
<code>cqh</code>	query container height
<code>cqi</code>	query container inline size
<code>cqb</code>	query container block size
<code>cqmin</code>	smallest of 'cqi' or 'cqb'
<code>cqmax</code>	largest of 'cqi' or 'cqb'

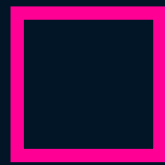
Browser support



container-query-polyfill

github.com/GoogleChromeLabs/container-query-polyfill

:has()



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

“

Climate activists are sometimes depicted as dangerous radicals. But the truly dangerous radicals are the countries that are increasing the production of fossil fuels.

Antonio Guterres, UN Secretary General

```
.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;  
}
```



“

Climate activists are sometimes depicted as dangerous radicals. But the truly dangerous radicals are the countries that are increasing the production of fossil fuels.

Antonio Guterres, UN Secretary General

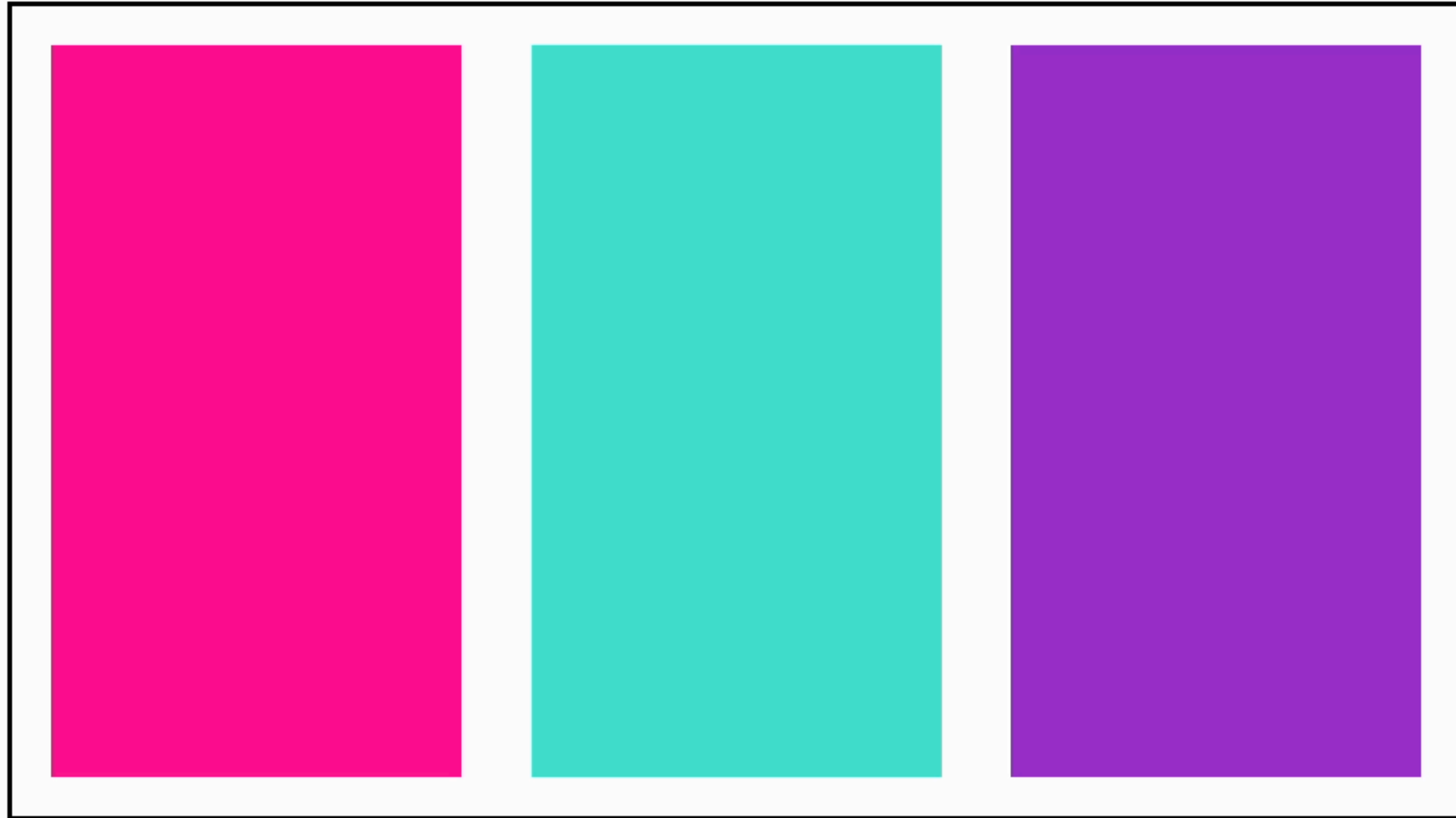
Animated grid tracks



1fr

1fr

1fr



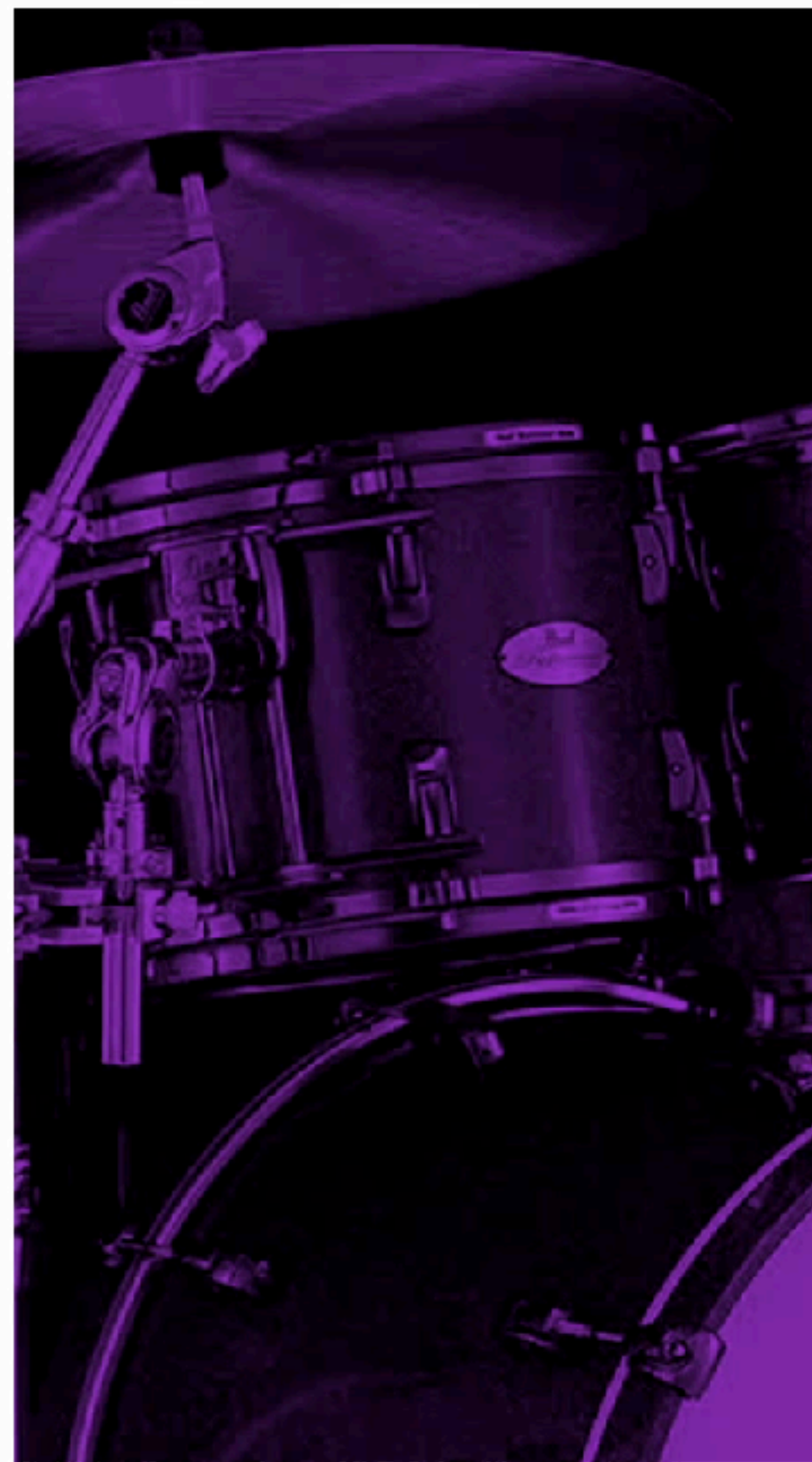
1fr

1fr

1fr



```
.grid:has(> :nth-child(3n):hover) {  
  grid-template-columns: 1fr 1fr 2fr;  
}
```





Item 1

Item 1

Item 1



Demo



Thank you

Website: css-irl.info

Mastodon: [@michelle@front-end.social](https://front-end.social/@michelle)

