

SUPER HERO

LAYOUTS

GOLDEN

SILVER

BRONZE

MODERN

GOLDEN

SILVER

BRONZE

MODERN

GOLDEN

SILVER

BRONZE

MODERN

GOLDEN

SILVER

BRONZE

MODERN

GOLDEN

SILVER

BRONZE

MODERN

GOLDEN

SILVER

BRONZE

MODERN

1938

1950

70 YEARS

1970

NOW

HTML
26

CSS
22

HTML

TABLE

FLASH

ABSOLUTE

FLOAT

RESPONSIVE

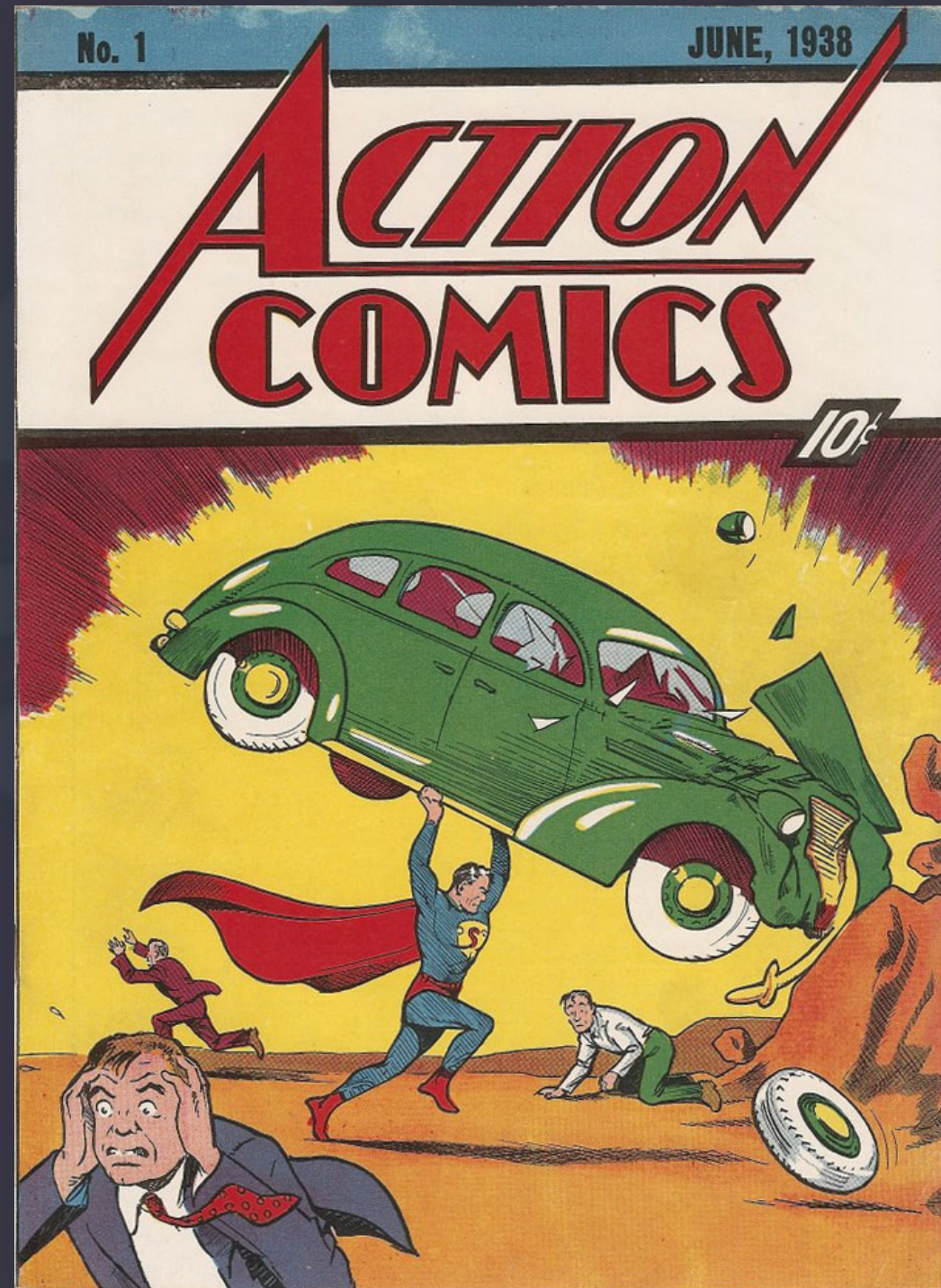
INTRINSIC

IT'S **AMAZING** HOW FAR
WE HAVE **PROGRESSED**
WITH LAYOUT

ANTON BALL

@antonjb

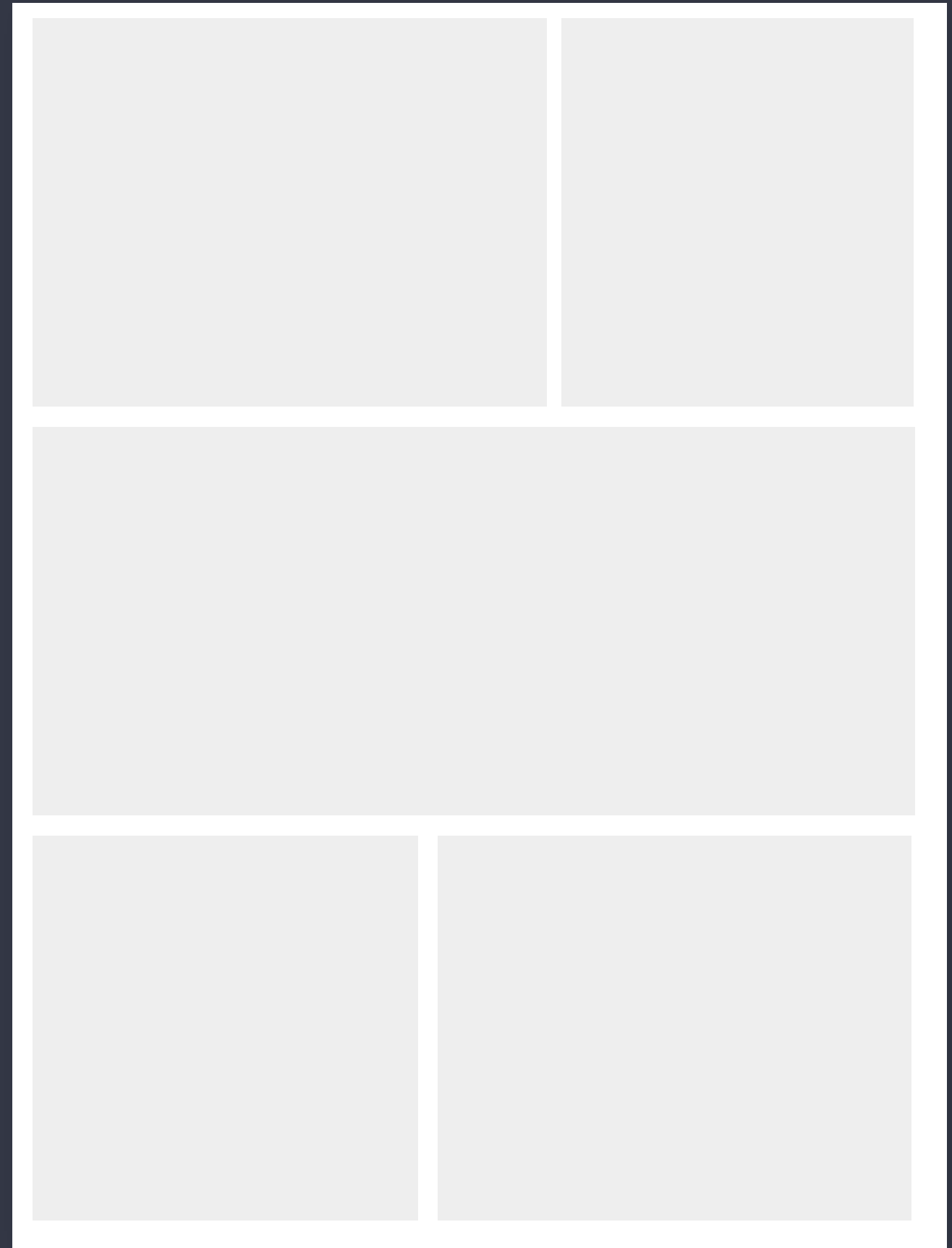
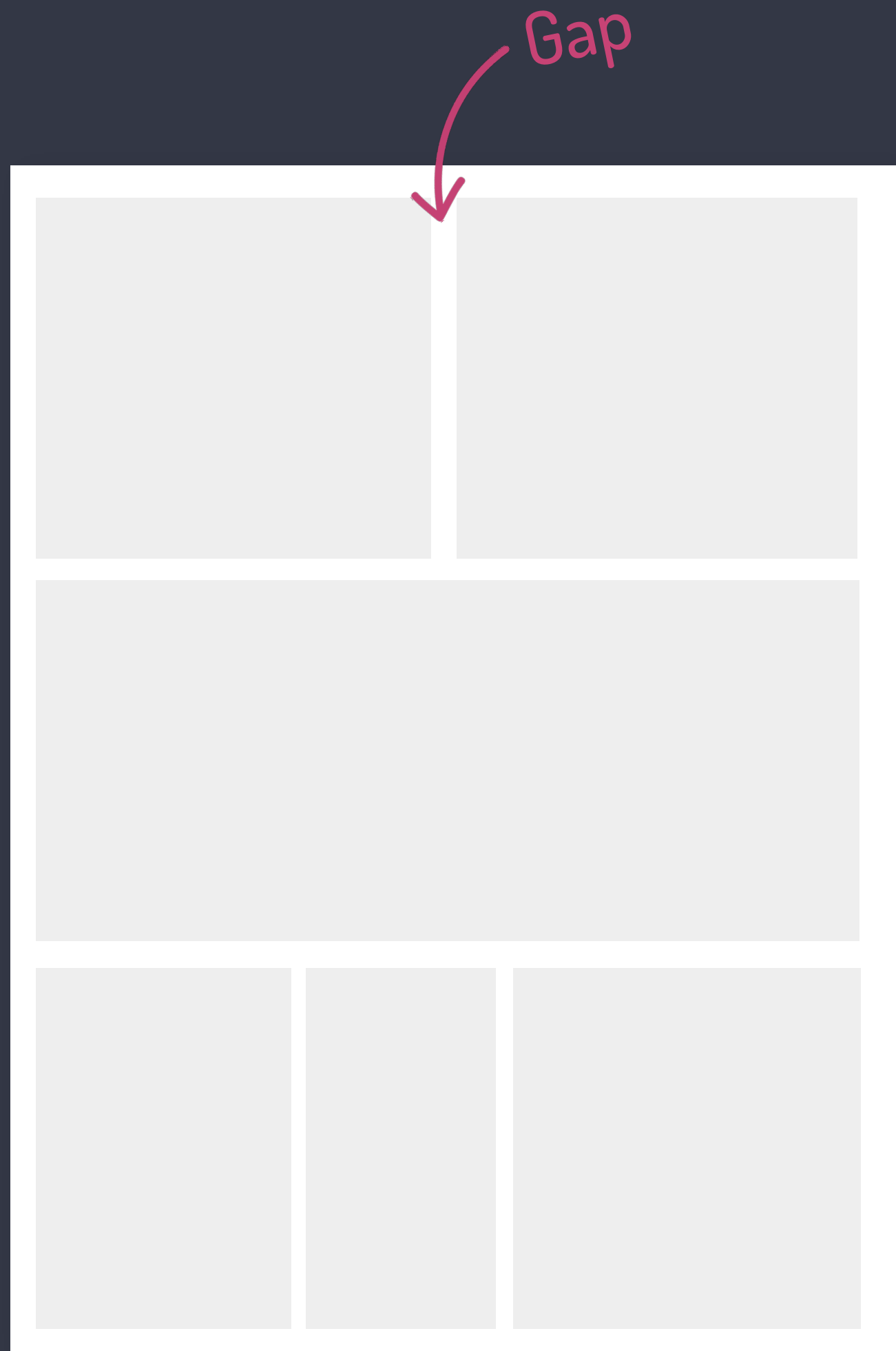
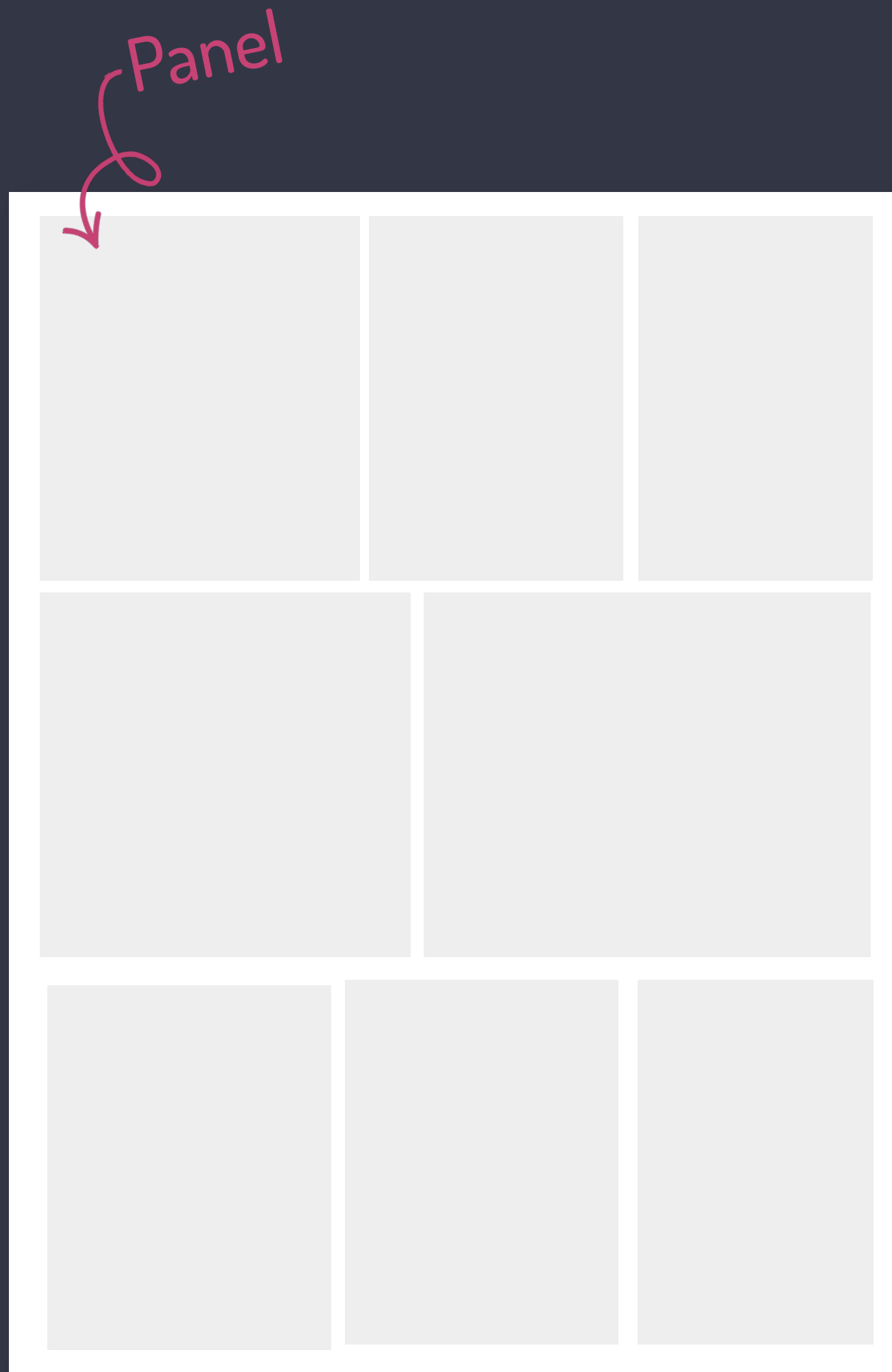


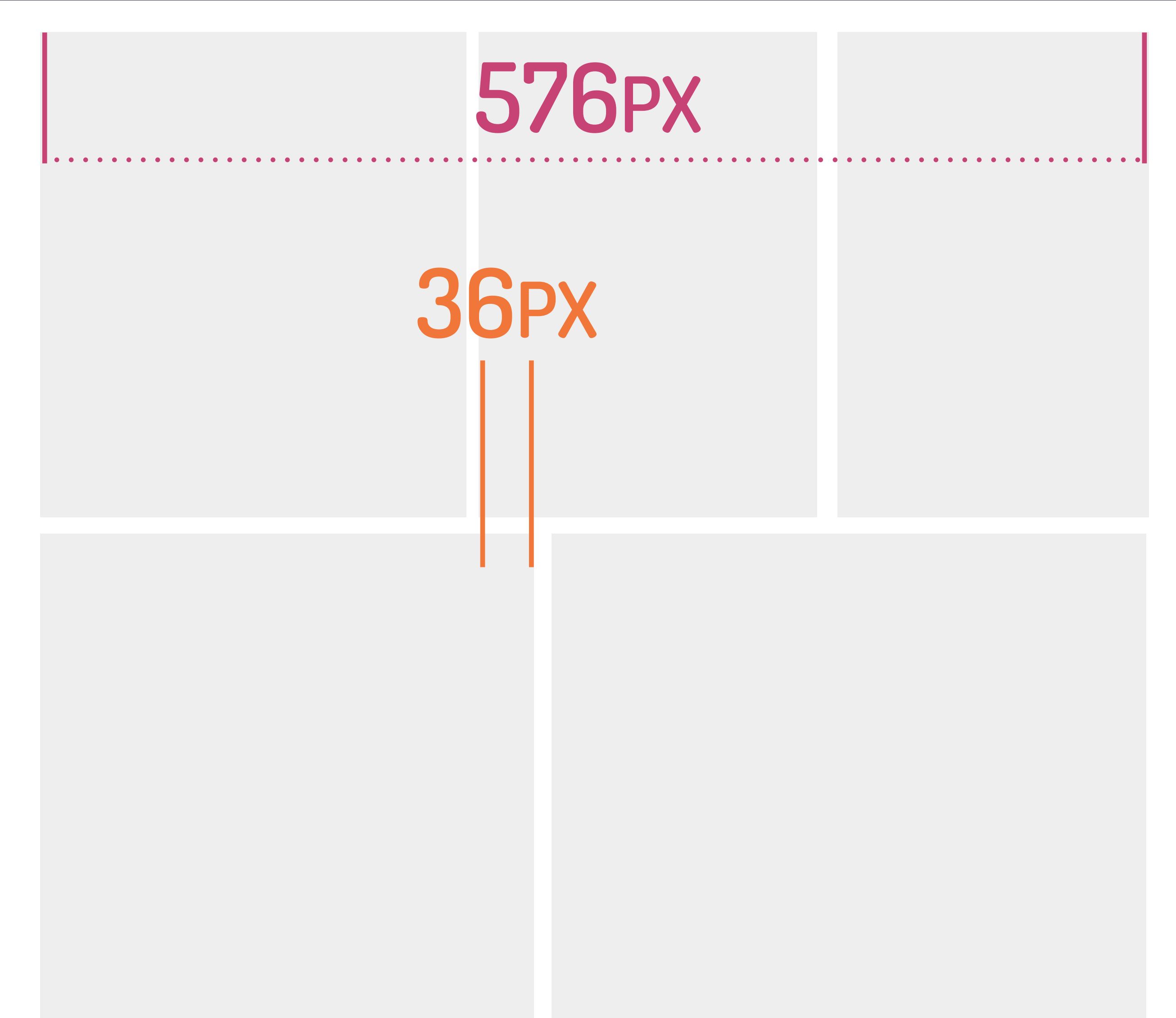


Action Comics #1 - DC Comics



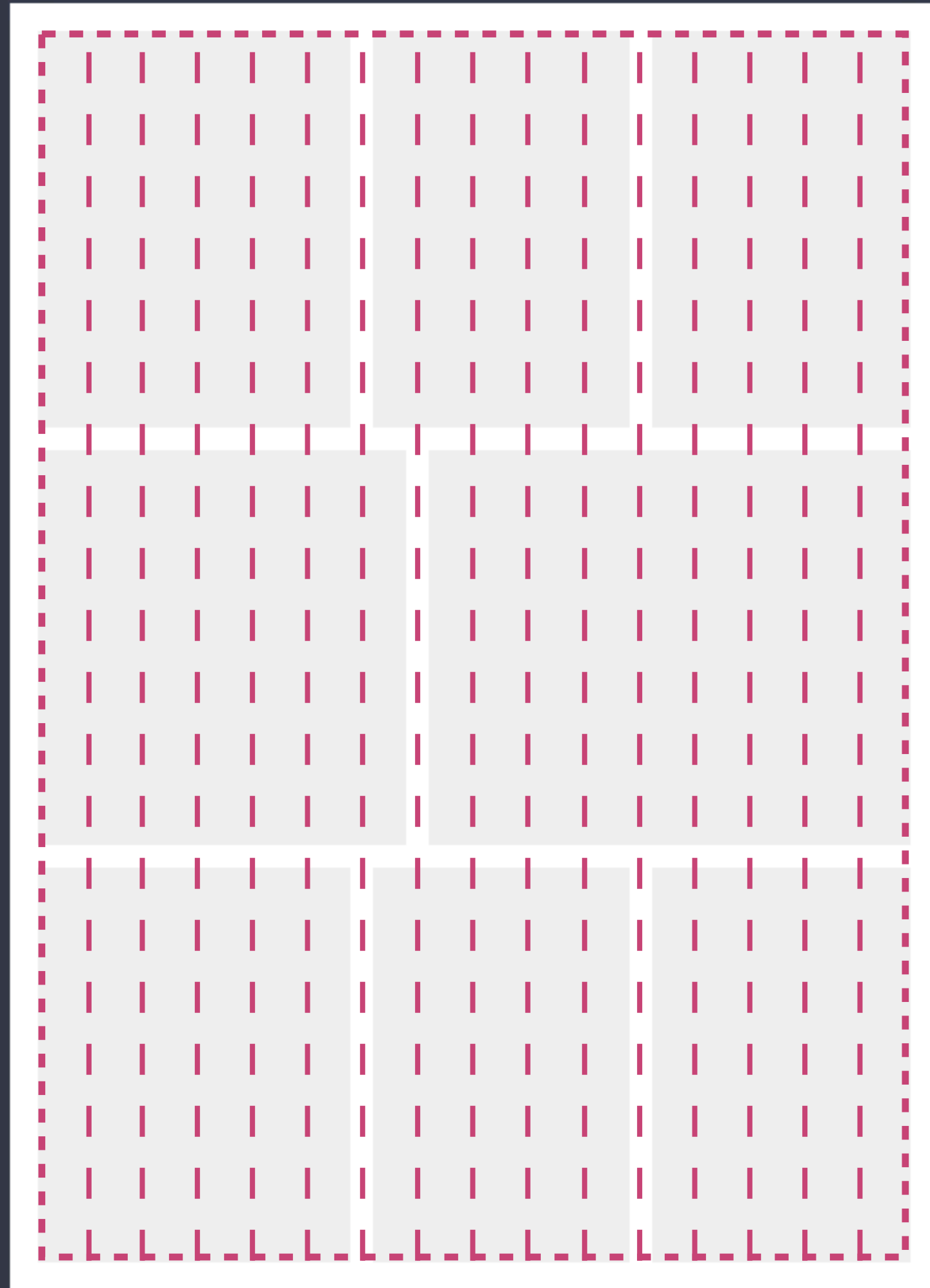
Action Comics #1 - DC Comics





$$\begin{array}{r} 576 \\ \div \\ 36 \\ = \\ 16 \\ \text{COLUMNS} \end{array}$$

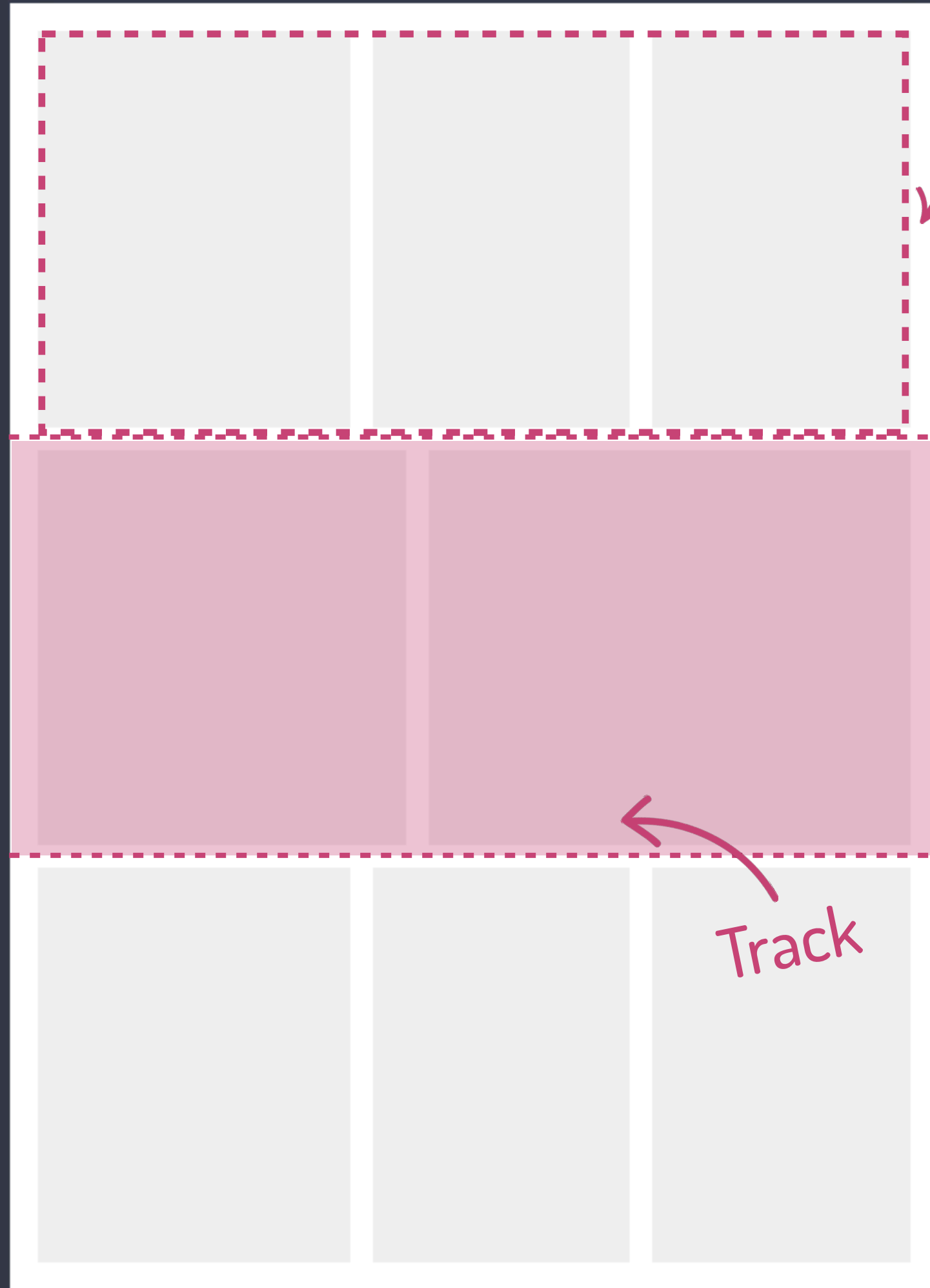
`.comic`



```
.comic {  
  display: grid;  
  grid-template-columns: repeat(16, 1fr);  
  grid-gap: 12px;  
}
```

<https://codepen.io/antonjb/pen/vMPgBJ>

.comic

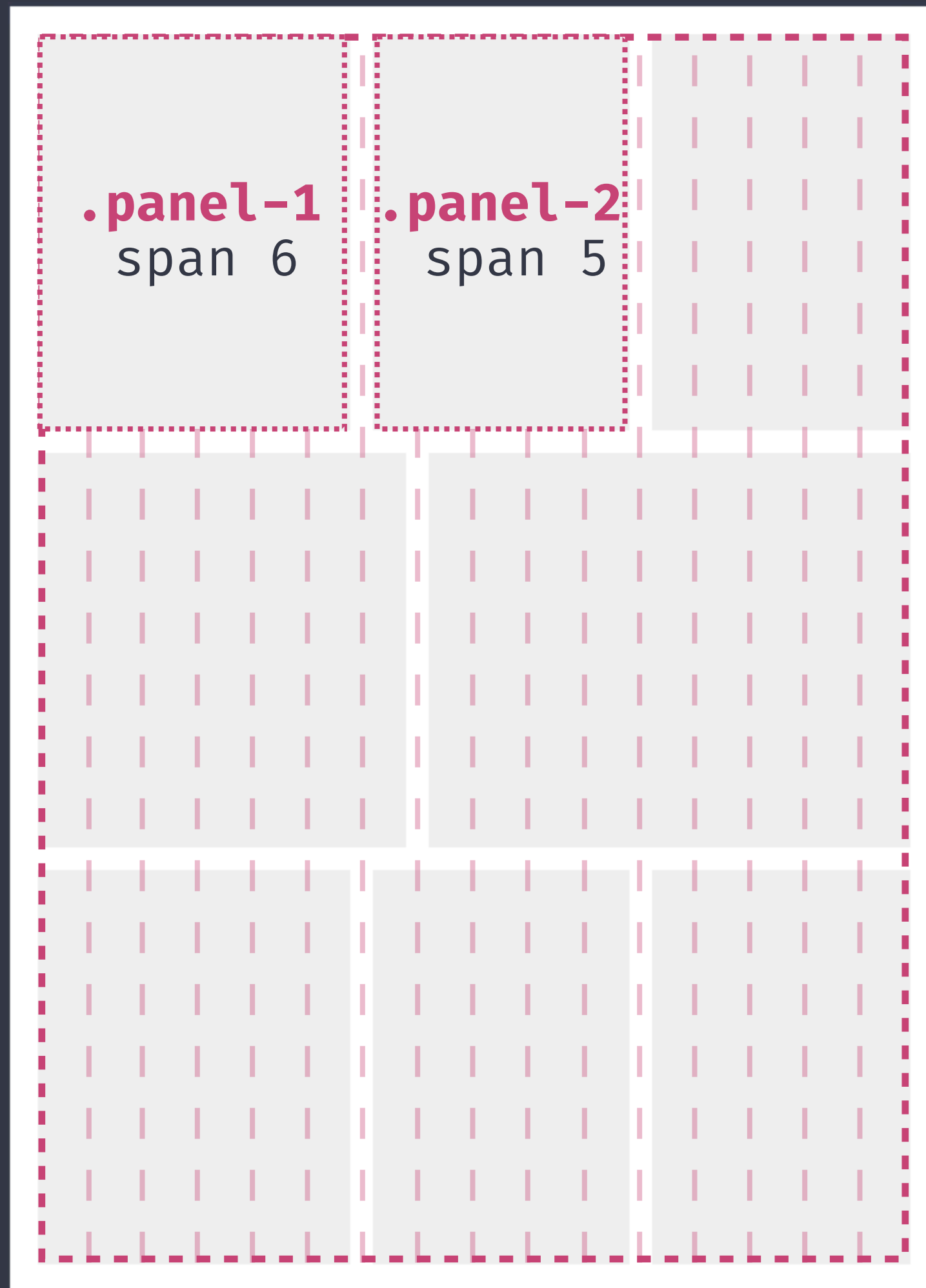


Defined Grid

```
.comic {  
  display: grid;  
  grid-template-columns: repeat(16, 1fr);  
  grid-auto-rows: auto;  
}
```

Track

.comic



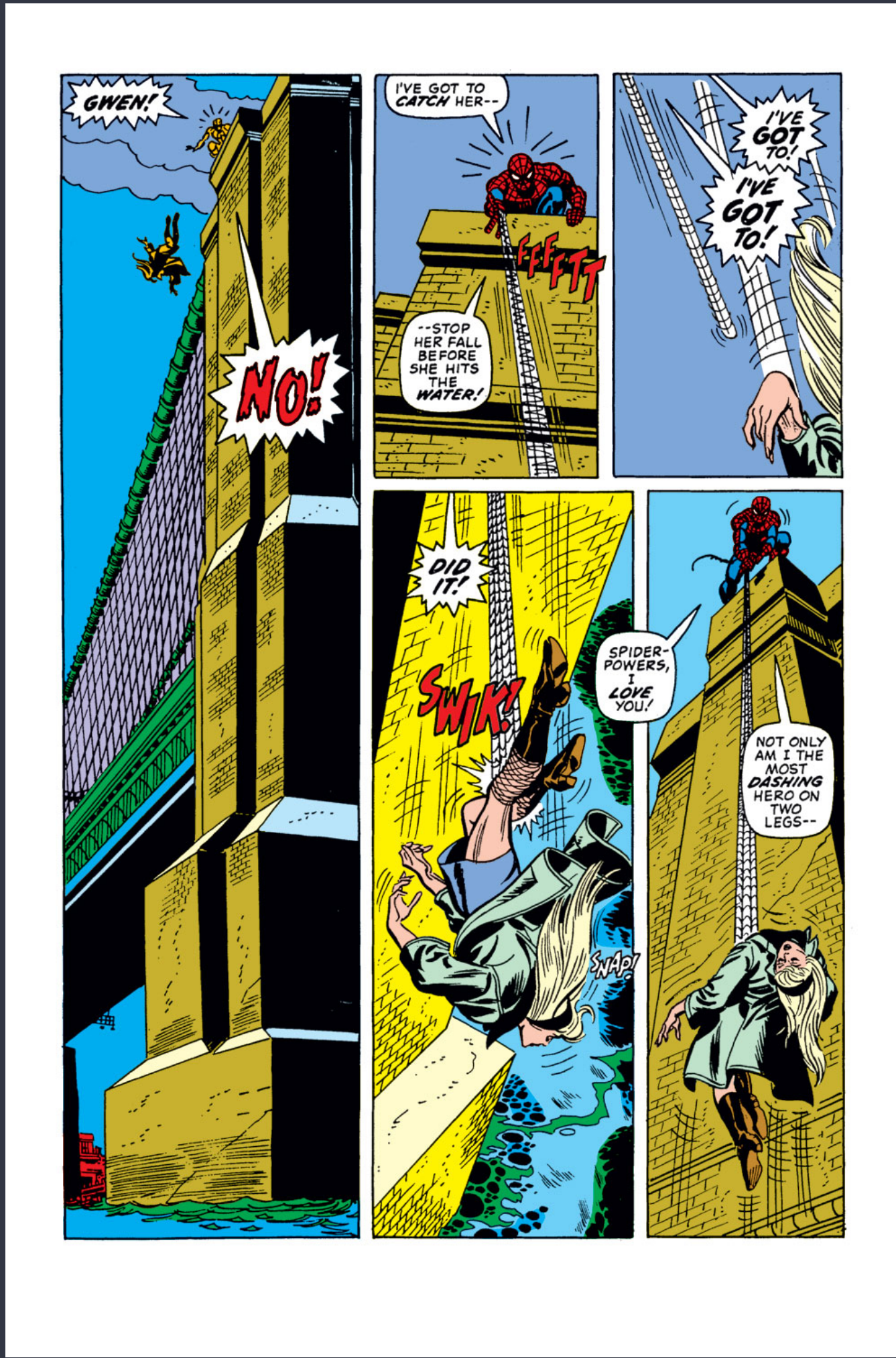
```
.comic {  
  display: grid;  
  grid-template-columns: repeat(16, 1fr);  
  grid-gap: 12px;  
}  
  
.panel-1 {  
  grid-column: span 6;  
}  
  
.panel-2 {  
  grid-column: span 5;  
}
```

<https://codepen.io/antonjb/pen/vMPgBJ>

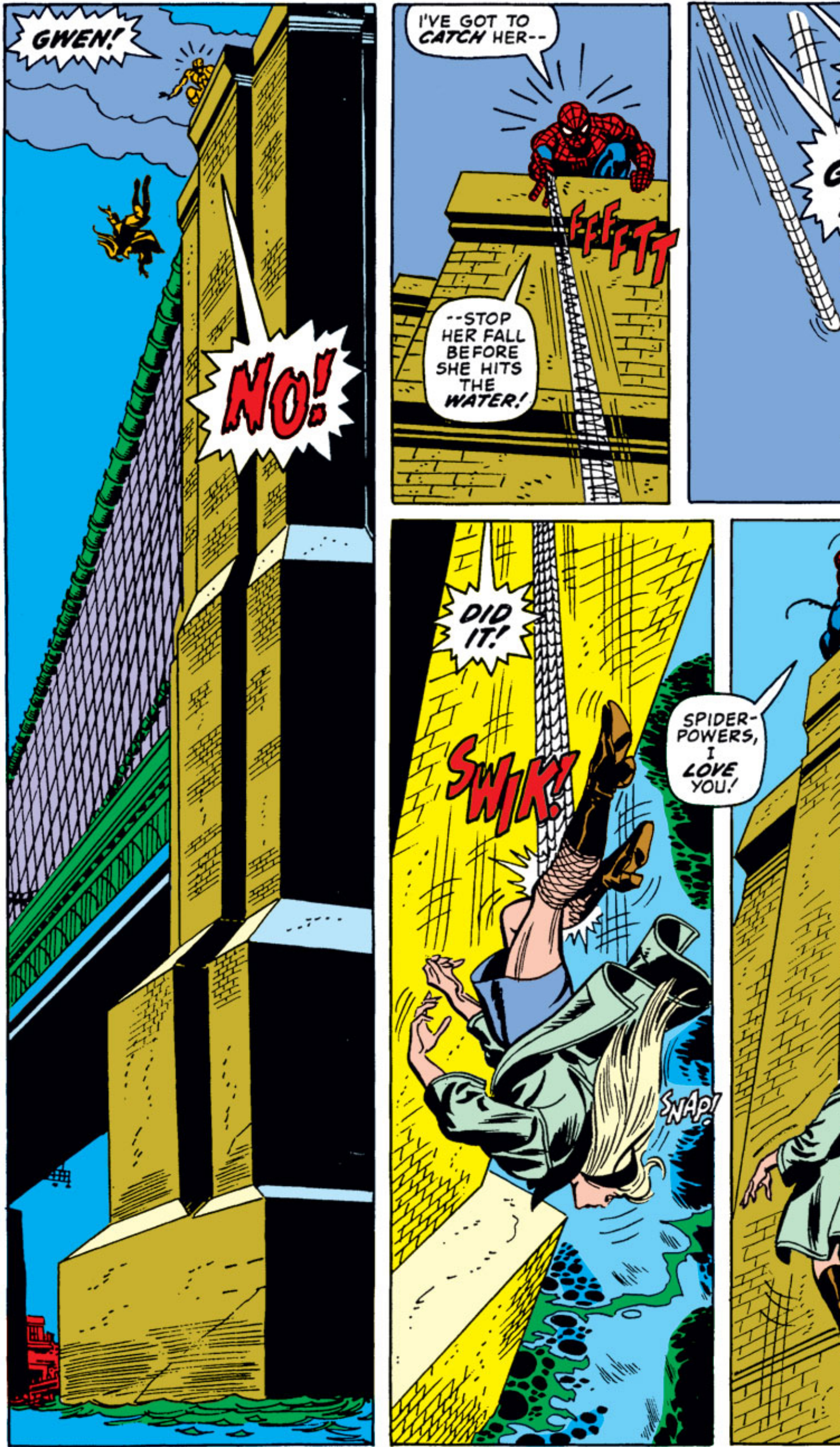


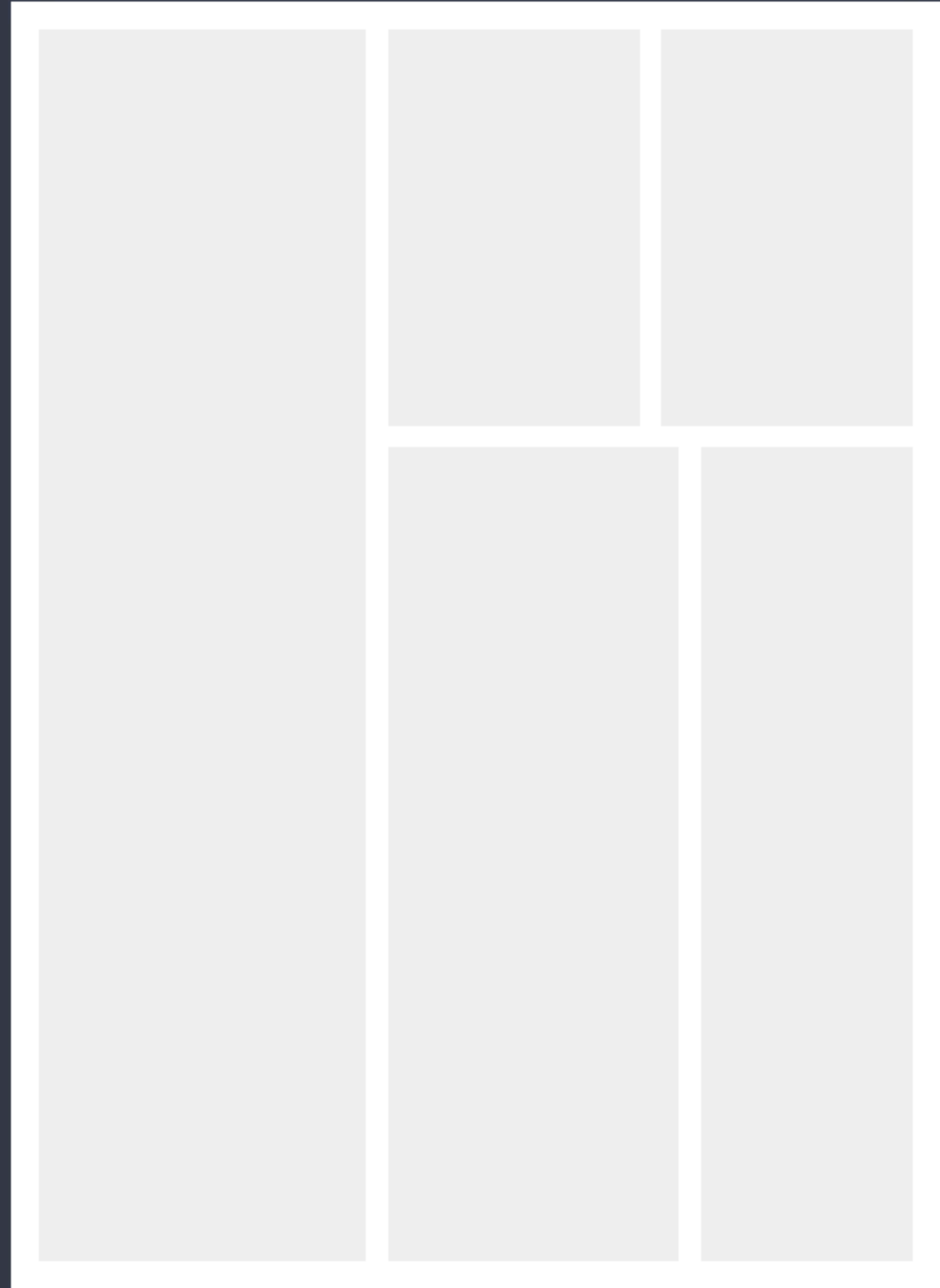
Spider-man #121 - Marvel Comics

SOMEONE I CANNOT SAVE!

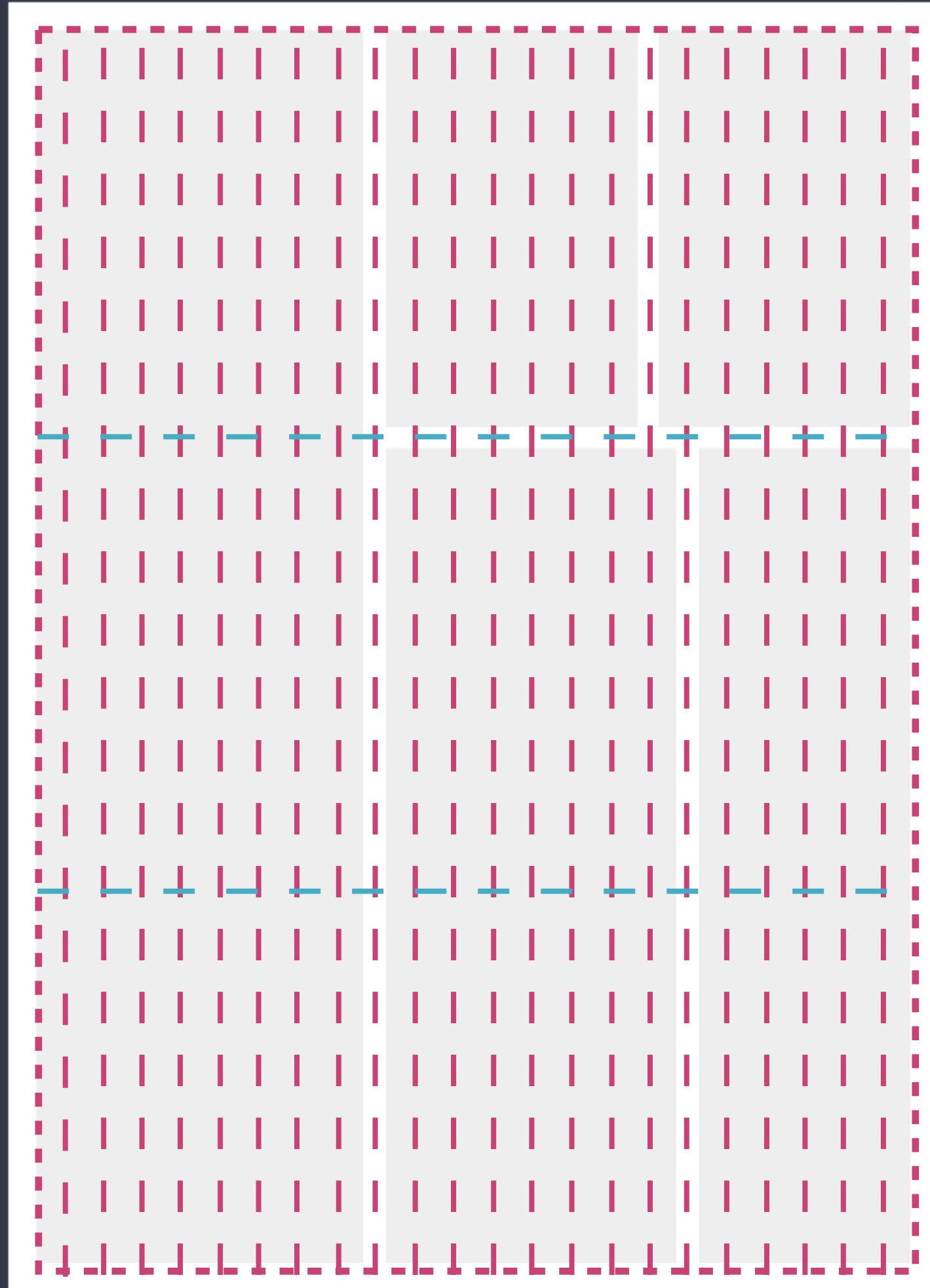


Spider-man #121 - Marvel Comics





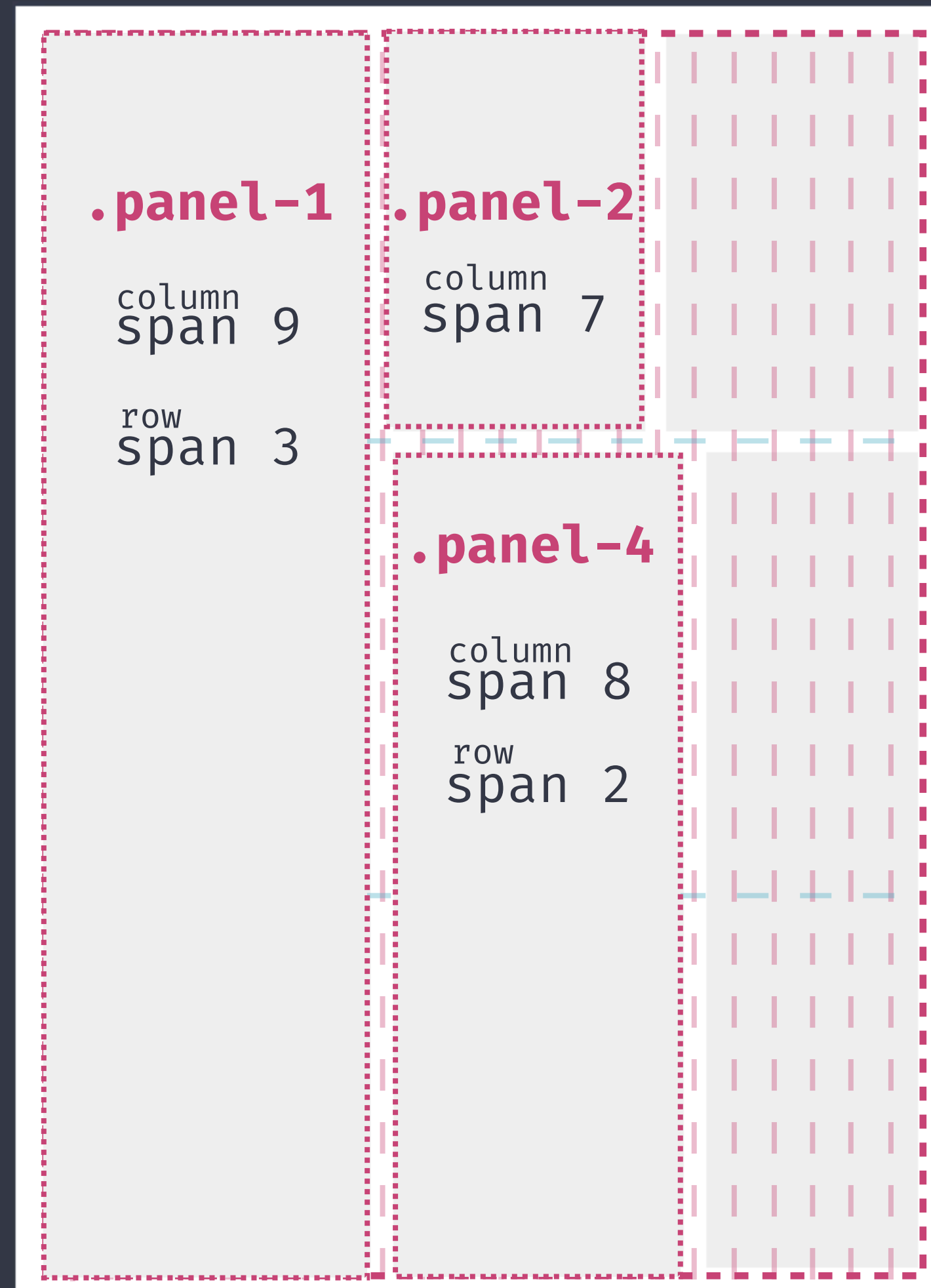
`.comic`



```
.comic {  
  display: grid;  
  grid-template-columns: repeat(23, auto);  
  gap: 12px;  
}
```

<https://codepen.io/antonjb/pen/QPRKYN>

.comic



```
.panel-1 {  
  grid-column: span 9;  
  grid-row: span 3;  
}
```

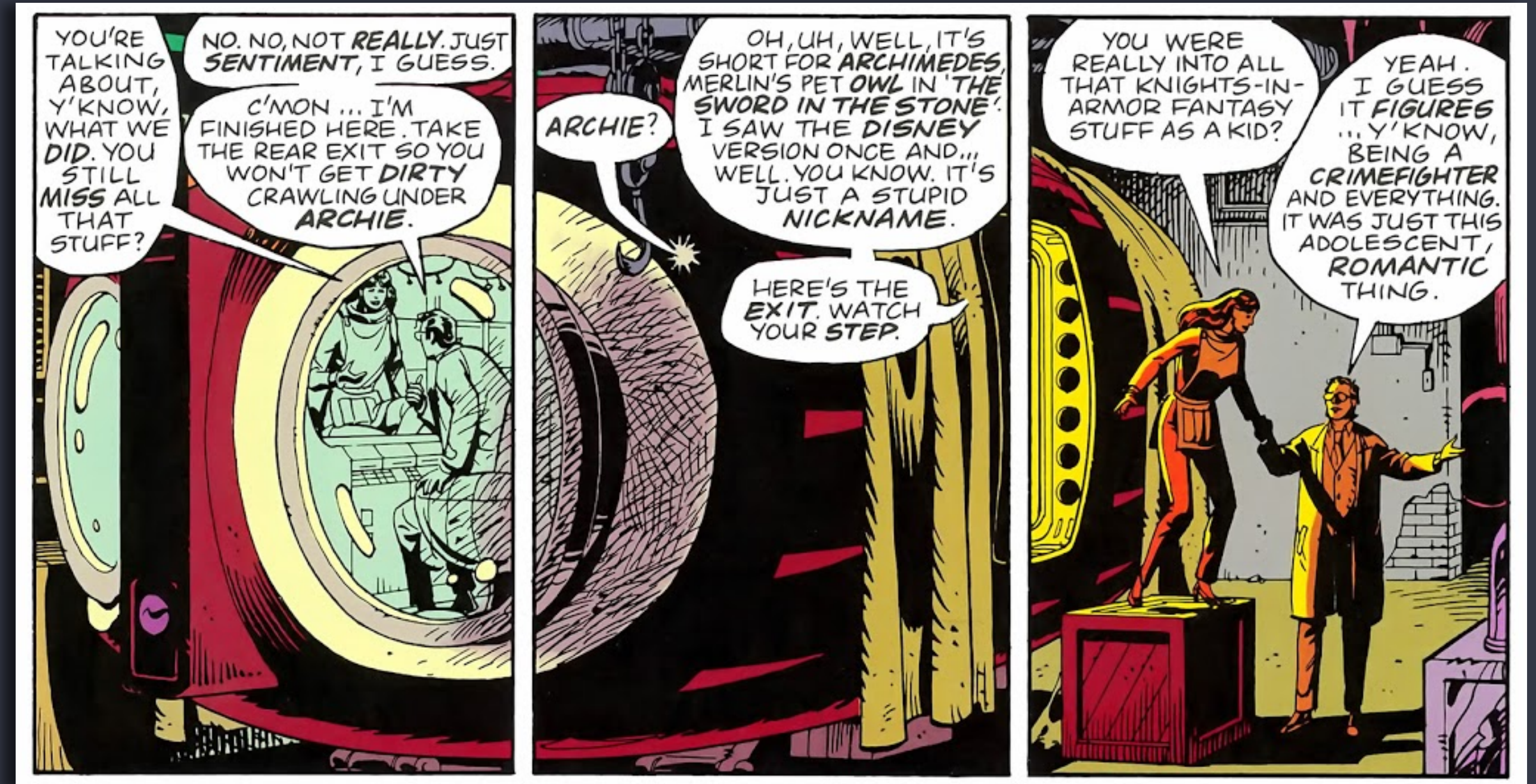
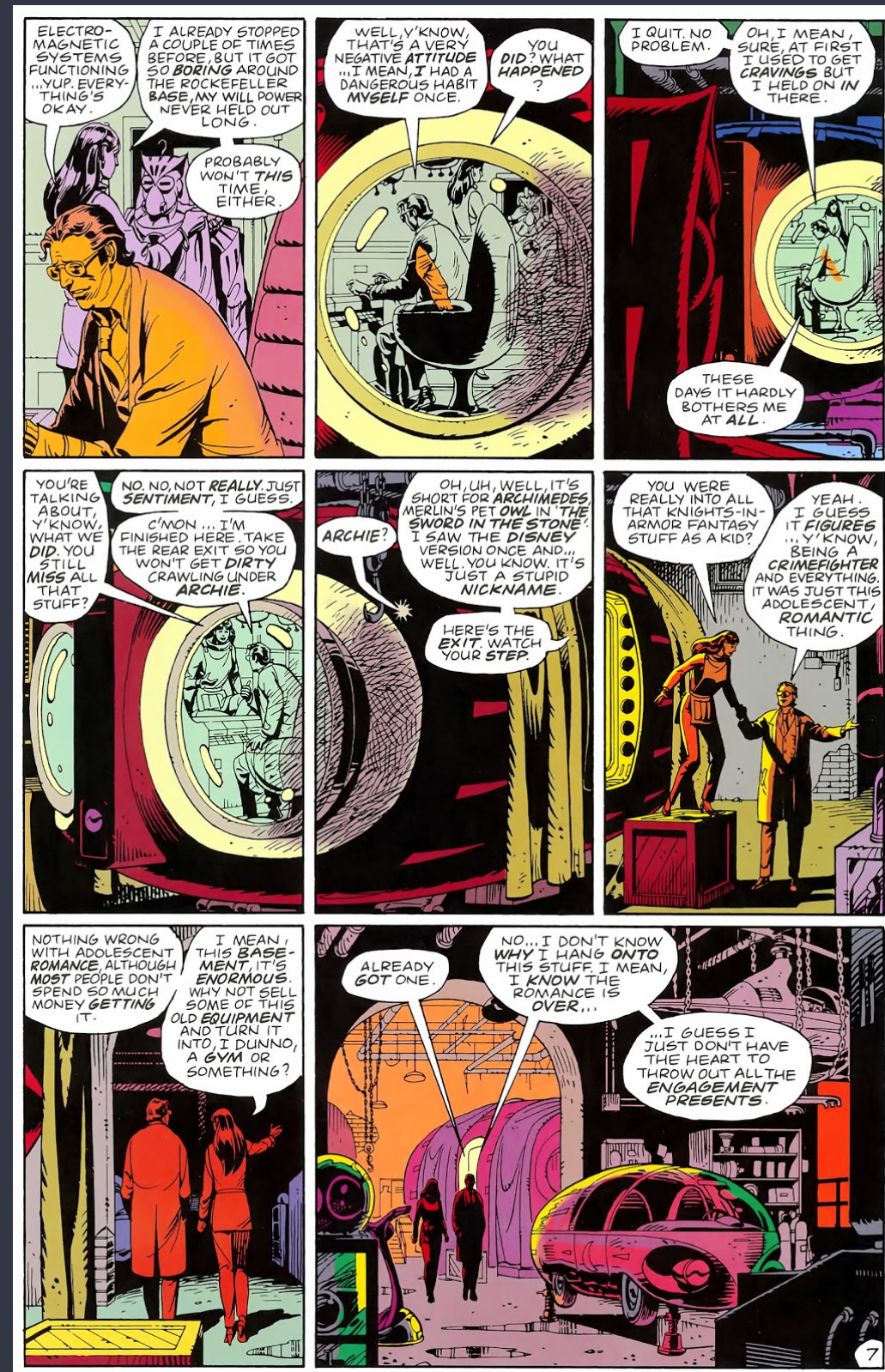
```
.panel-2 {  
  grid-column: span 7;  
}
```

```
.panel-4 {  
  grid-column: span 8;  
  grid-row: span 2;  
}
```

<https://codepen.io/antonjb/pen/QPRKYN>



Watchmen #7 - DC Comics



Watchmen #7 - DC Comics

.comic



.overlap

.panel-3

```
.comic {  
  display: grid;  
  grid-template-columns: repeat(2, auto);  
  grid-template-rows: repeat(3, auto);  
  gap: 16px;  
}  
  
.overlap {  
  display: grid;  
  grid-column: span 2;  
}  
  
.panel-3 {  
  grid-row: 1;  
  grid-column: 1 / span 2;  
}
```

<https://codepen.io/antonjb/pen/rgvKr0>

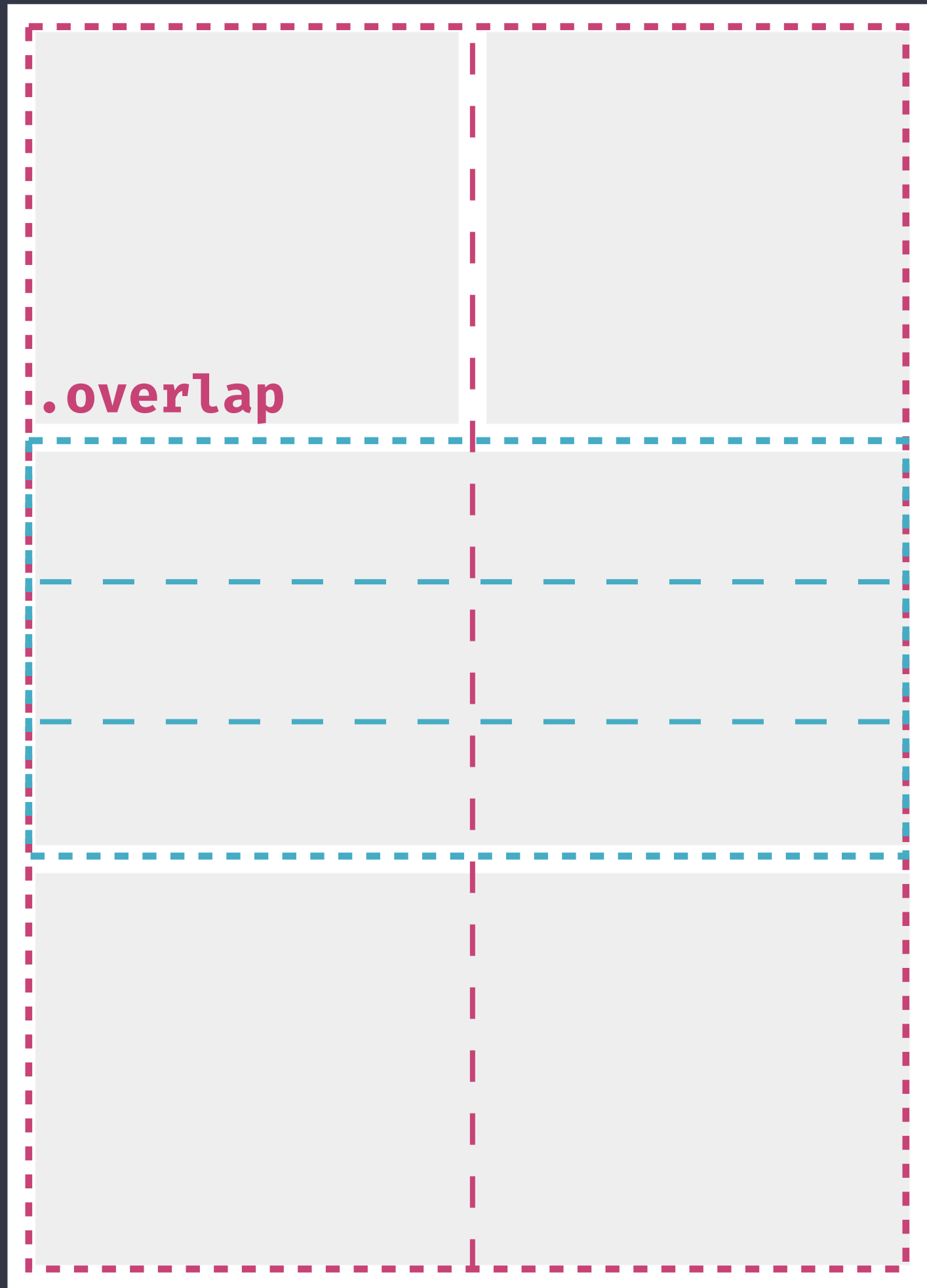
.comic



```
.comic {  
  grid-template-columns: repeat(2, auto);  
}  
  
.overlap {  
  display: grid;  
  grid-column: span 2;  
  grid-template-columns: subgrid;  
}
```

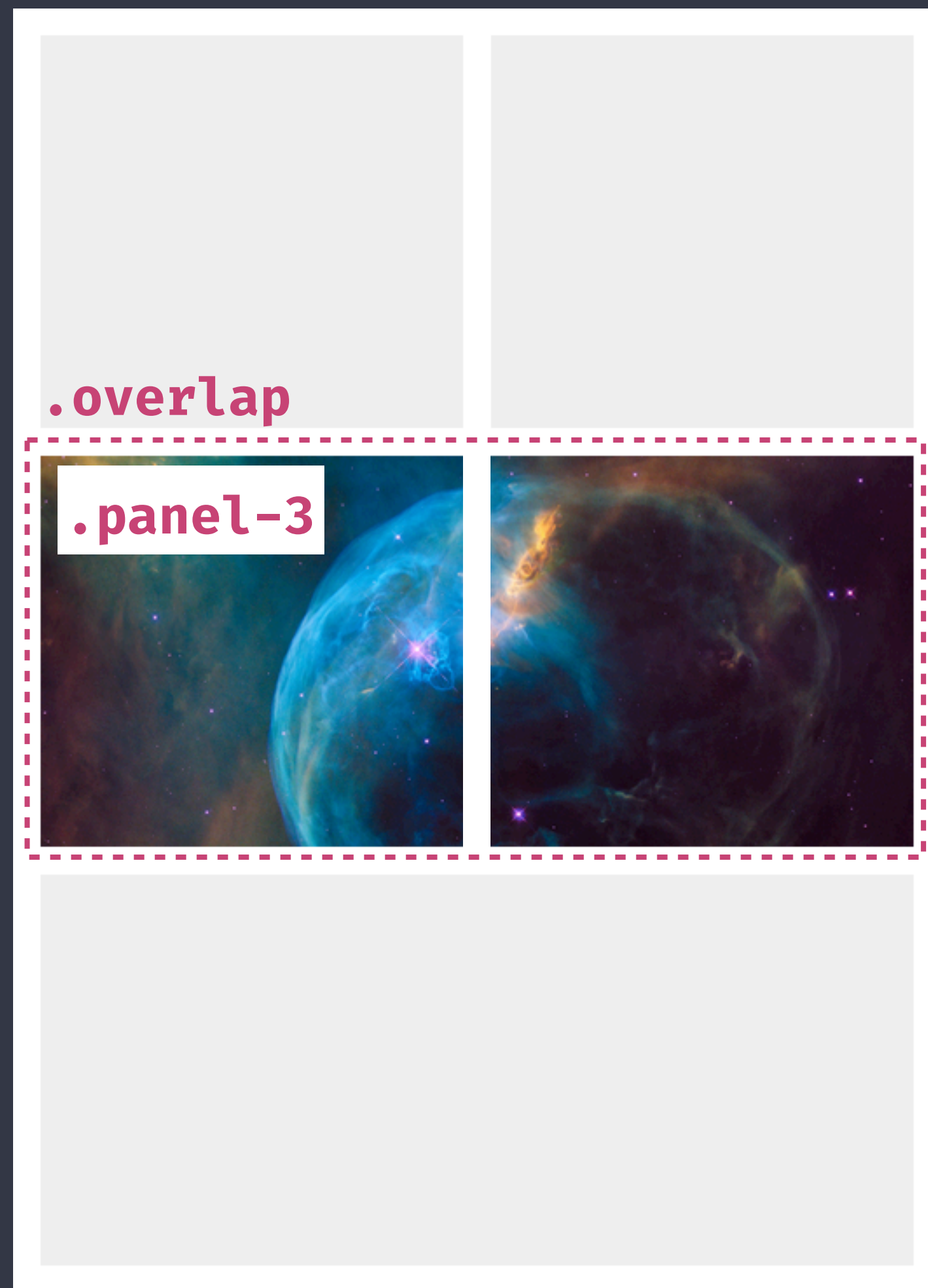
<https://codepen.io/antonjb/pen/rgvKr0>

.comic



```
.overlap {  
  display: grid;  
  grid-column: span 2;  
  grid-template-columns: subgrid;  
  grid-template-rows: repeat(3, auto)  
}
```

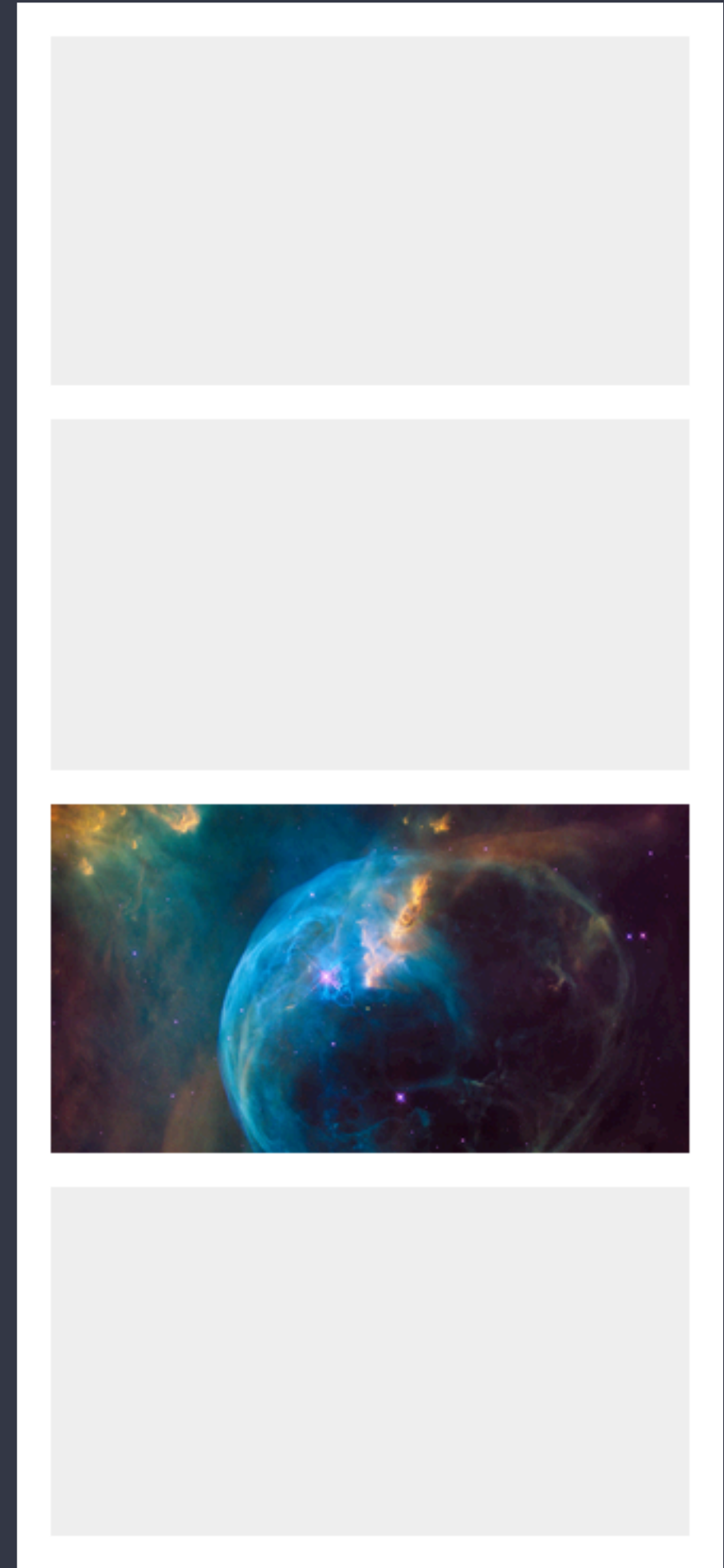
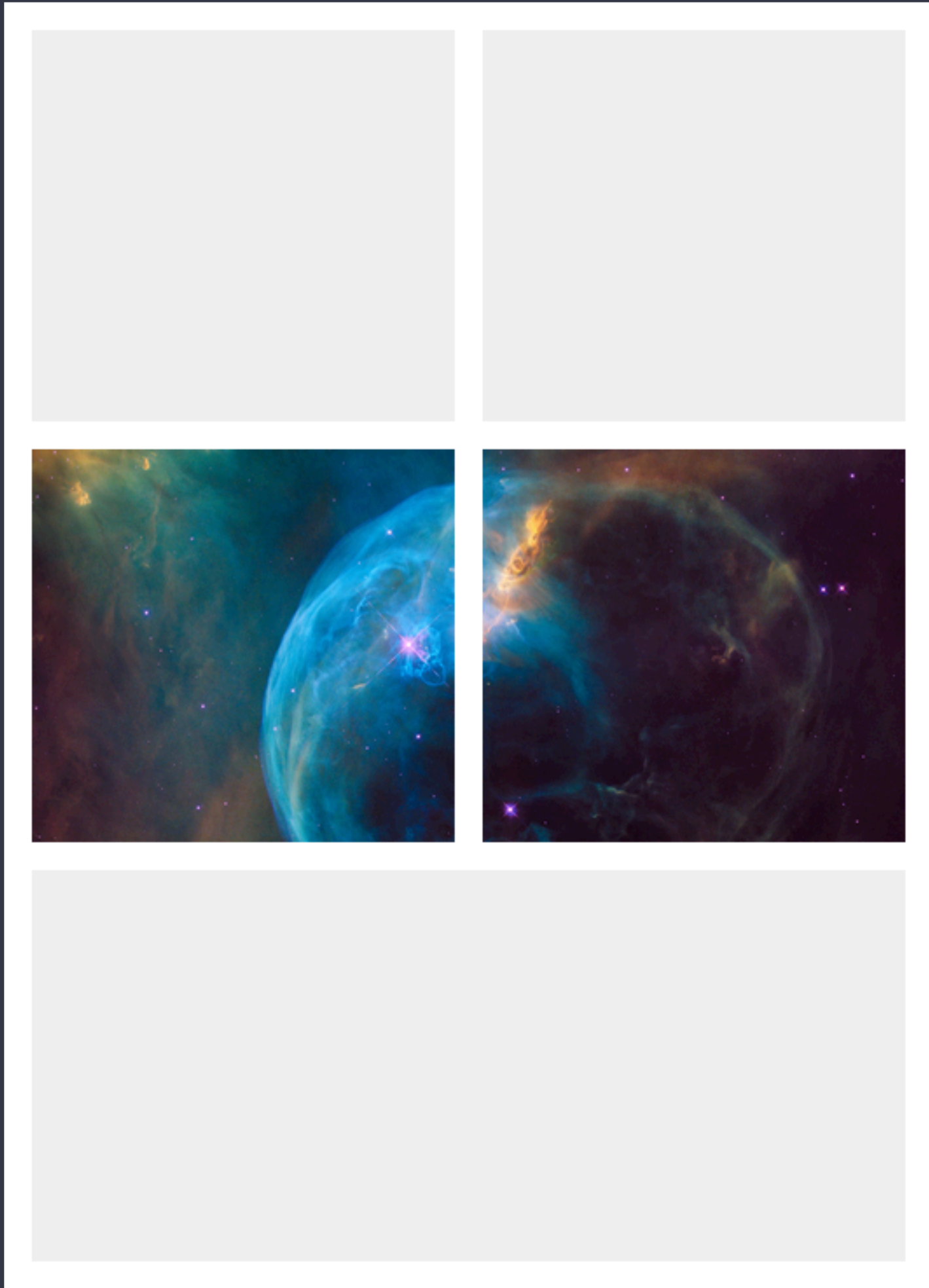
.comic

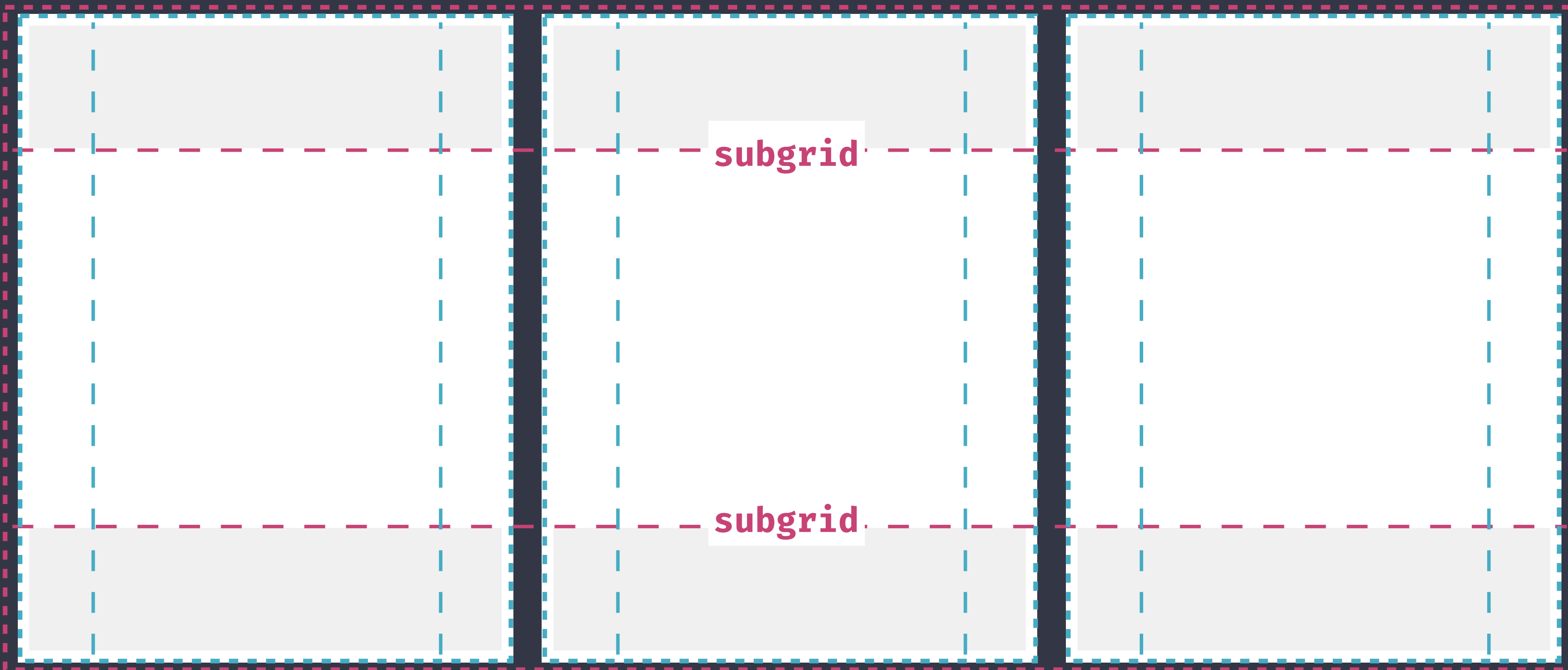


```
.overlap {  
  display: grid;  
  grid-column: span 2;  
  grid-template-columns: subgrid;  
}
```

```
.overlap::after {  
  content: ' ';  
  outline: 16px solid #fff;  
  grid-row: 1;  
  grid-column: 1;  
}
```

<https://codepen.io/antonjb/pen/rgyKr0>





SURFING



Margaret River Pro

Champ hails shark attack victim's recovery

Two-time world surfing champion John John Florence says he was "stoked" to see shark attack victim Alex Travaglino back in the water again after helping fundraise his recovery.

Margaret River Pro: Slater faces early exit

Surfer safety first at Margs Pro

Margaret River Pro goes high-tech to avoid sharks

Shark drone to keep Pro waves safe

Surfing icon Sunny Garcia 'critical'

MMA



Scary infection

'My leg could have been amputated': Volkanovski

Alex Volkanovski has revealed he could have lost a leg — or worse — if not rushed to a hospital in Santiago, Chile following the biggest win of his UFC career. He lifts the lid on the scary turn of events where he thought he was dying.

Aussie UFC star stuck in South American hospital

Tszyu calls out Horn after brutal title win

Blood infection floors victorious Aussie star

'Hasn't beaten me in Origin': Hodges' cheeky Gal jab ahead of second pro bout

Kostya Tszyu: Jeff Horn's time is up

GOLF



Golf

Woods eyes PGA Tour history at Memorial

Tiger Woods could equal the PGA Tour's all-time winning record with a victory at this week's Memorial event in Ohio, where he has won five times.

Woods good for my majors record: Nicklaus

Kevin Na cruises to PGA win at Colonial

Wiesberger wins Denmark golf by one shot

Na settles for two-shot lead in Texas

Na goes low but trails Blixt at Fort Worth

height

min-height

NETBALL



FIREBIRDS

Bolstered 'Birds boosted by Blues beating

The Firebirds are last, winless and hit by injuries. But help is on the way in the form of two South African internationals and some State of Origin inspiration.

Dunkley Vixen 'handballs the cooking duties'

Visiting Vixens prove real party poopers

Vixens ready to strike Lightning

Shock as stars dumped for Netball World Cup

Bruce scores World Cup nod

CYCLING



Cycling

Peters wins Giro stage 17, Carapaz in lead

Ecuador's Richard Carapaz retained the overall leader's pink jersey after stage 17 of the Giro d'Italia, which was won by Frenchman Nans Peters.

Carapaz holds off Nibali at Giro d'Italia

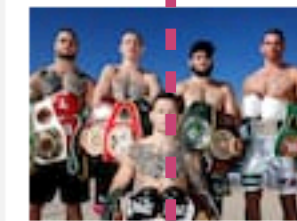
Benedetti wins stage; Polanc leads Giro

Taking the ride to tackle cancer

Aussie rider Ewan wins Giro's 11th stage

Jail term looms for SA Olympian

OTHER SPORTS



BOXING

Fantastic Five go for gold on Coast

Liam Paro, chasing a world title fight with American Maurice Hooker, will lead a huge assault by five of Australia's top boxers on international opponents at the Star Casino.

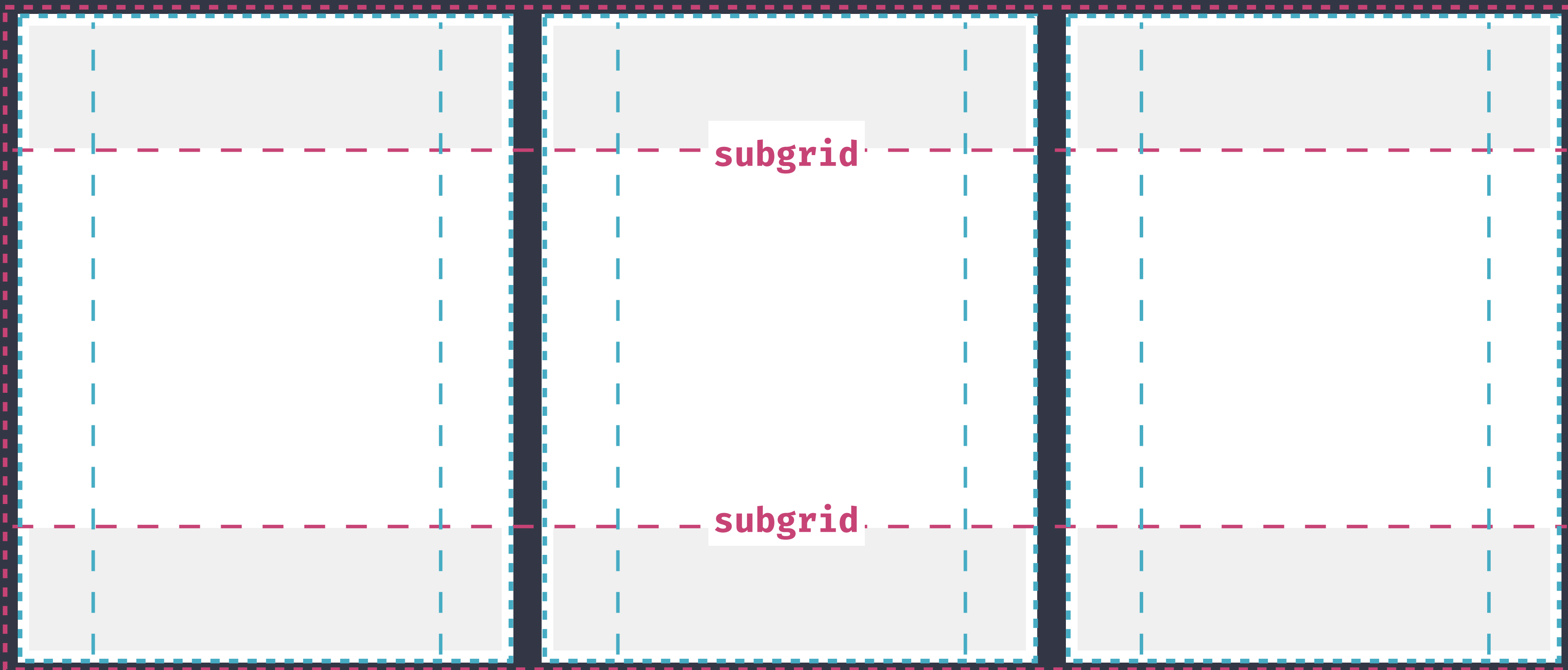
'Vulgar abuse': Warriors owner ban

Shaw thing? Caretaker coaches' headstart on top jobs

Lowry fumes after clash with Warriors fan

YouTube sessions key to bringing down Aussie Paro

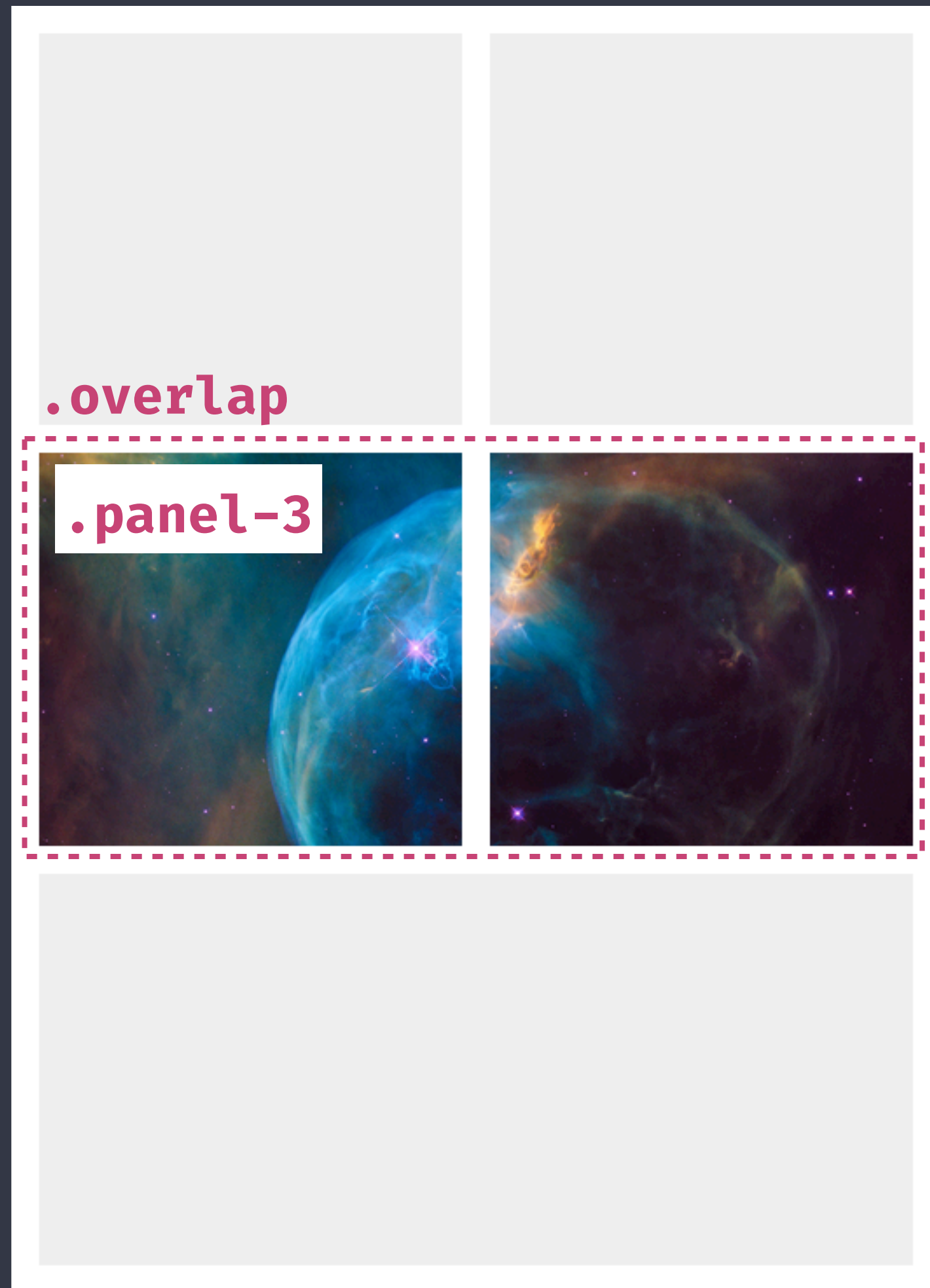
Shock as stars dumped for Netball World Cup



SUBGRID



.comic



```
.overlap {  
  display: contents;  
}
```

```
.overlap::after {  
  content: ' ';  
  outline: 16px solid #fff;  
  grid-row: 2;  
  grid-column: 1;  
}
```

<https://codepen.io/antonjb/pen/rbKdpE>

More accessible markup with `display: contents`

Published on 21 April 2018 by Hidde de Vries in [code](#).

CSS Grid Layout lets you turn an element into a grid, and place the element's *direct children* onto it. Given that, it might be tempting to use flatter markup, but less meaning is usually less accessibility. With `display: contents`, we can place *grand children* on a grid, which lets us have accessible markup *and* beautiful layout. Let's dive into the details!

Below, I will explain in more detail what I mean by children and grand children, and then show how we can use `display: contents` to improve this. *Note: this is currently broken in supporting browsers, more details below*

<https://hiddedevries.nl/en/blog/2018-04-21-more-accessible-markup-with-display-contents>



SPENCER
RAMOS
BANDINI
OLAZABA
DELGADO



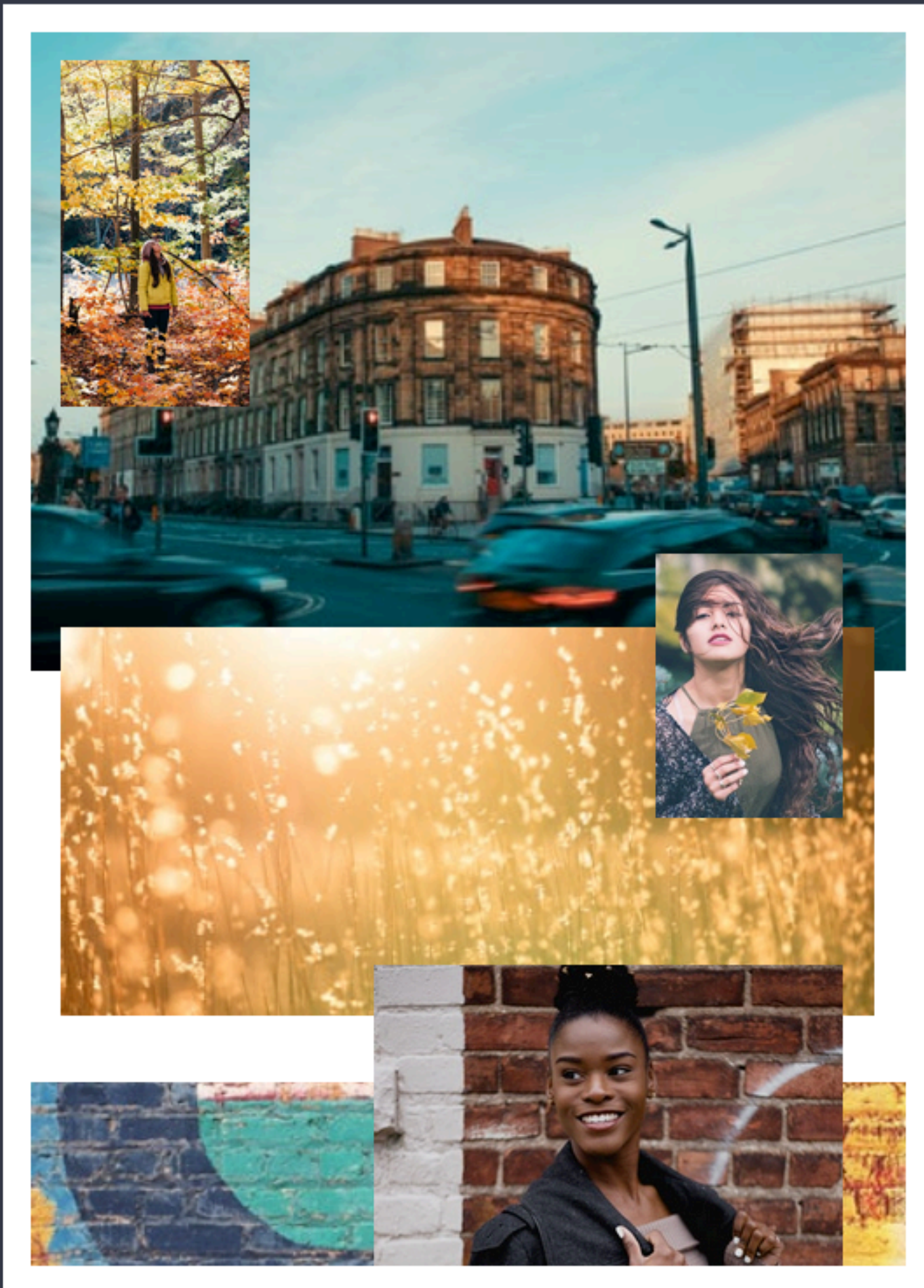
Spider-man 2018 #9 - Marvel Comics



Spider-man 2018 #9 - Marvel Comics



.comic



```
.comic {  
  display: grid;  
  grid-template-columns: 1fr 6fr 4fr 9fr 6fr repeat(2, 1fr);  
  grid-template-rows: 16px 2.35fr 1fr 0.5fr 0.3fr  
                      1fr 1fr 0.35fr 0.45fr 1.25fr;  
}
```

<https://codepen.io/antonjb/pen/yrmQez>

9
ROWS



985PX

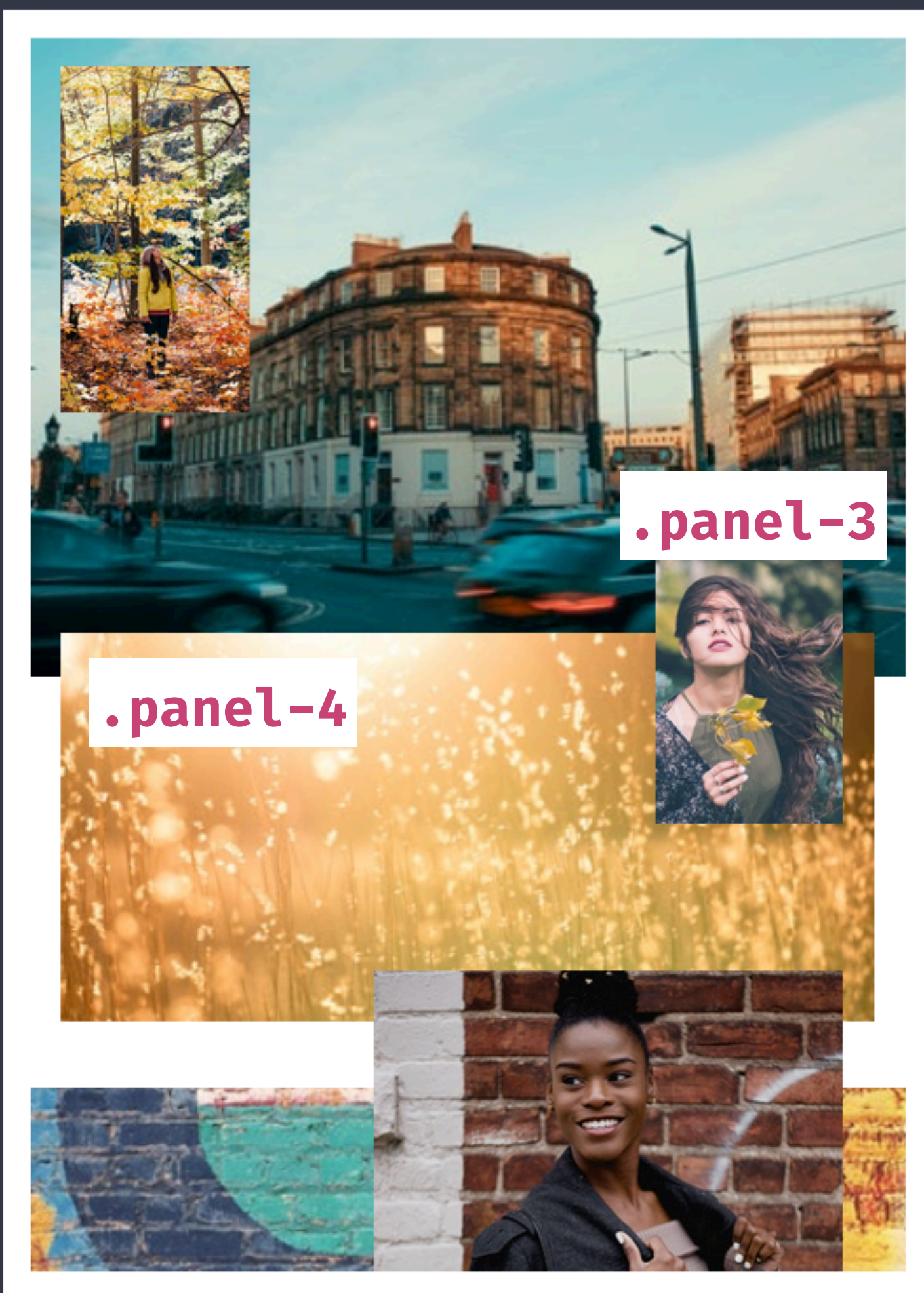
$$985 \div 9 = 109$$

291PX



$$\begin{array}{r} 291 \\ \div \\ 109 \\ = \\ 2.6FR \end{array}$$

.comic

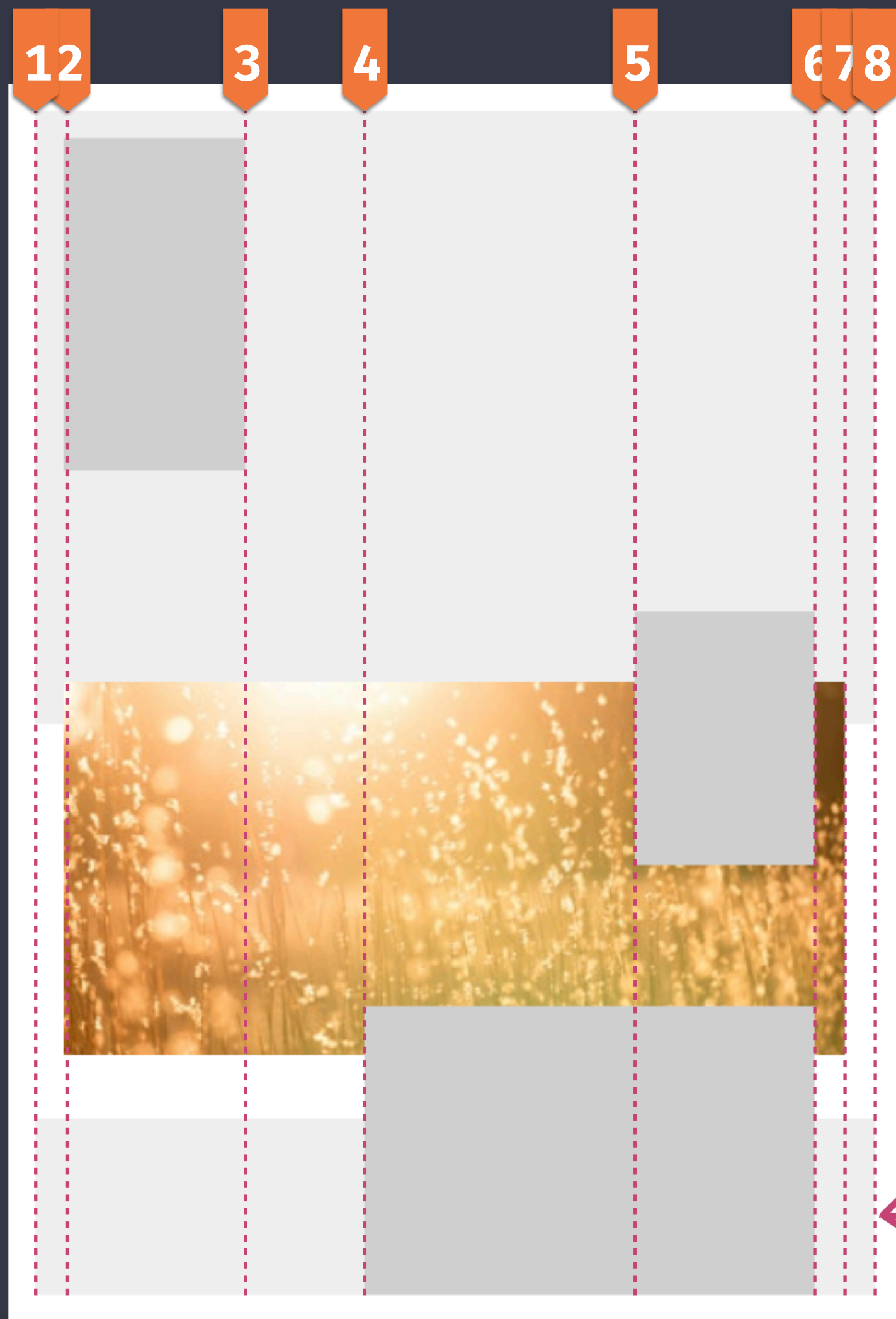


```
.comic {  
  display: grid;  
  grid-template-columns: 1fr 6fr 4fr 9fr 6fr repeat(2, 1fr);  
  grid-template-rows: 16px 2.35fr 1fr 0.5fr 0.3fr  
                      1fr 1fr 0.35fr 0.45fr 1.25fr;  
}
```

```
.panel-3 {  
  grid-row: 4 / 7;  
  grid-column: 5 / span 1;  
  z-index: 1;  
}
```

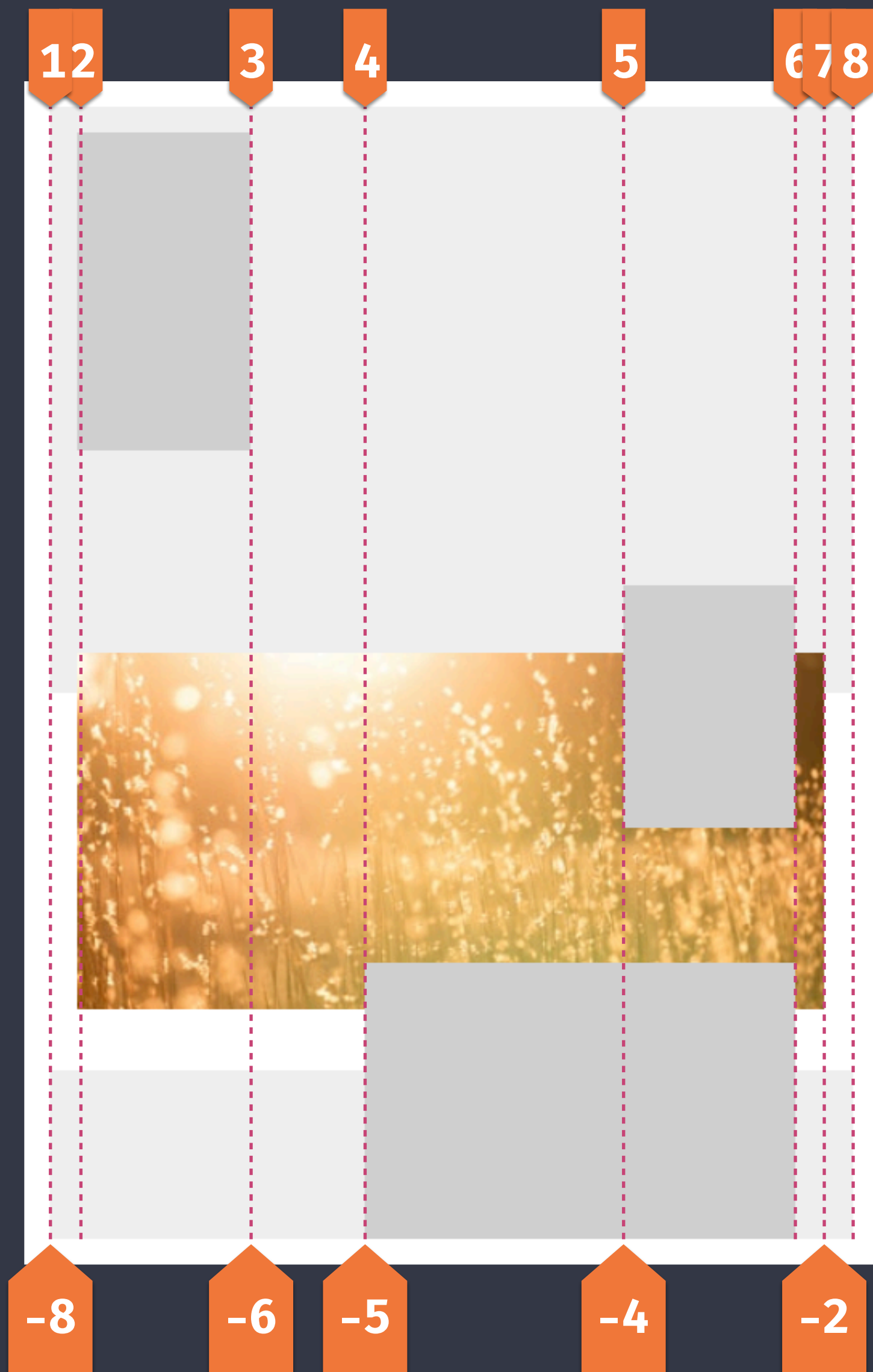
```
.panel-4 {  
  grid-row: 5 / 9;  
  grid-column: 2 / -2;  
}
```

<https://codepen.io/antonjb/pen/yrmQez>

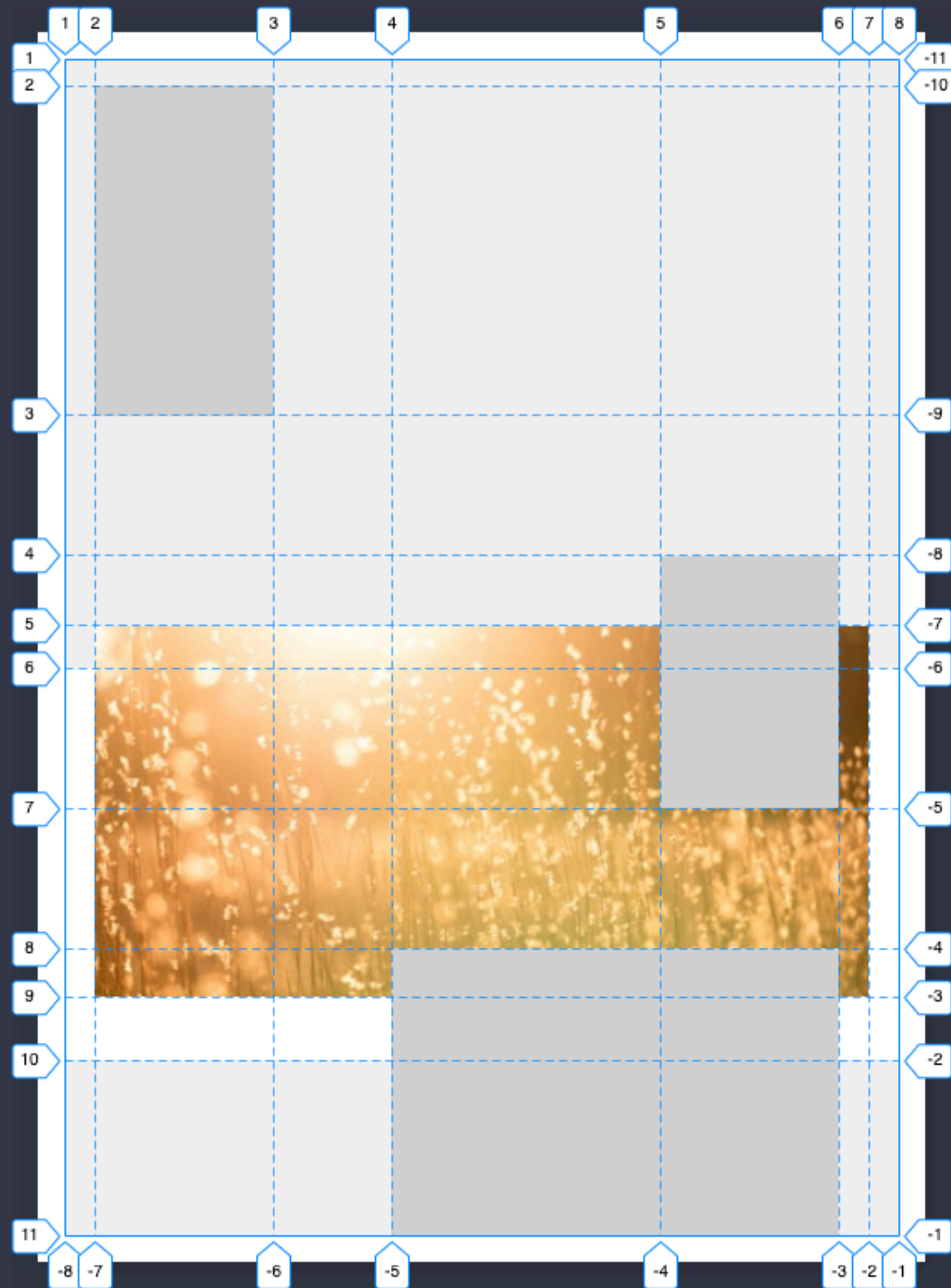


```
.panel-4 {  
  grid-column: 2 / -2;  
}
```

Grid Line



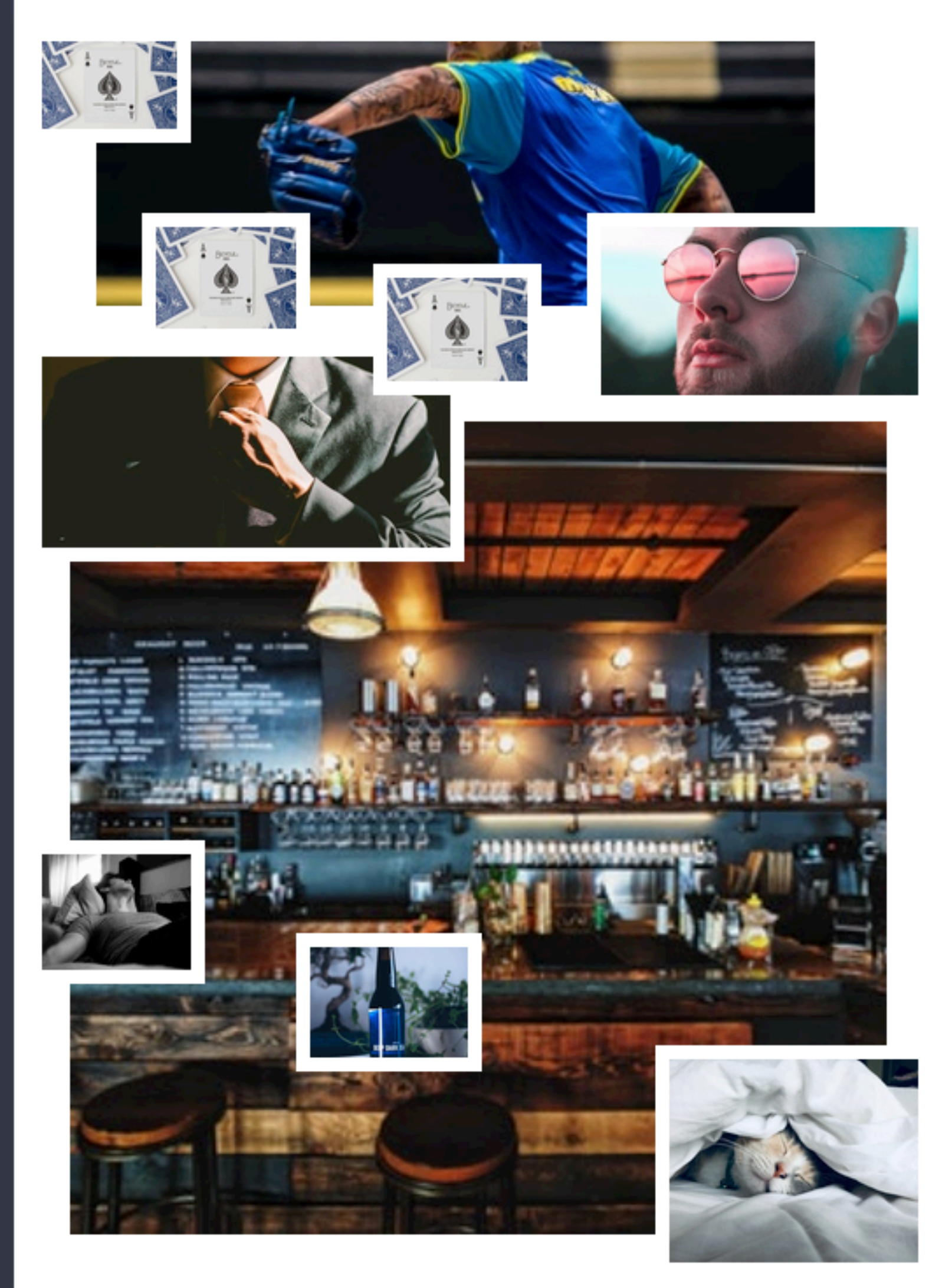
```
.panel-4 {  
  grid-column: 2 / -2;  
}
```

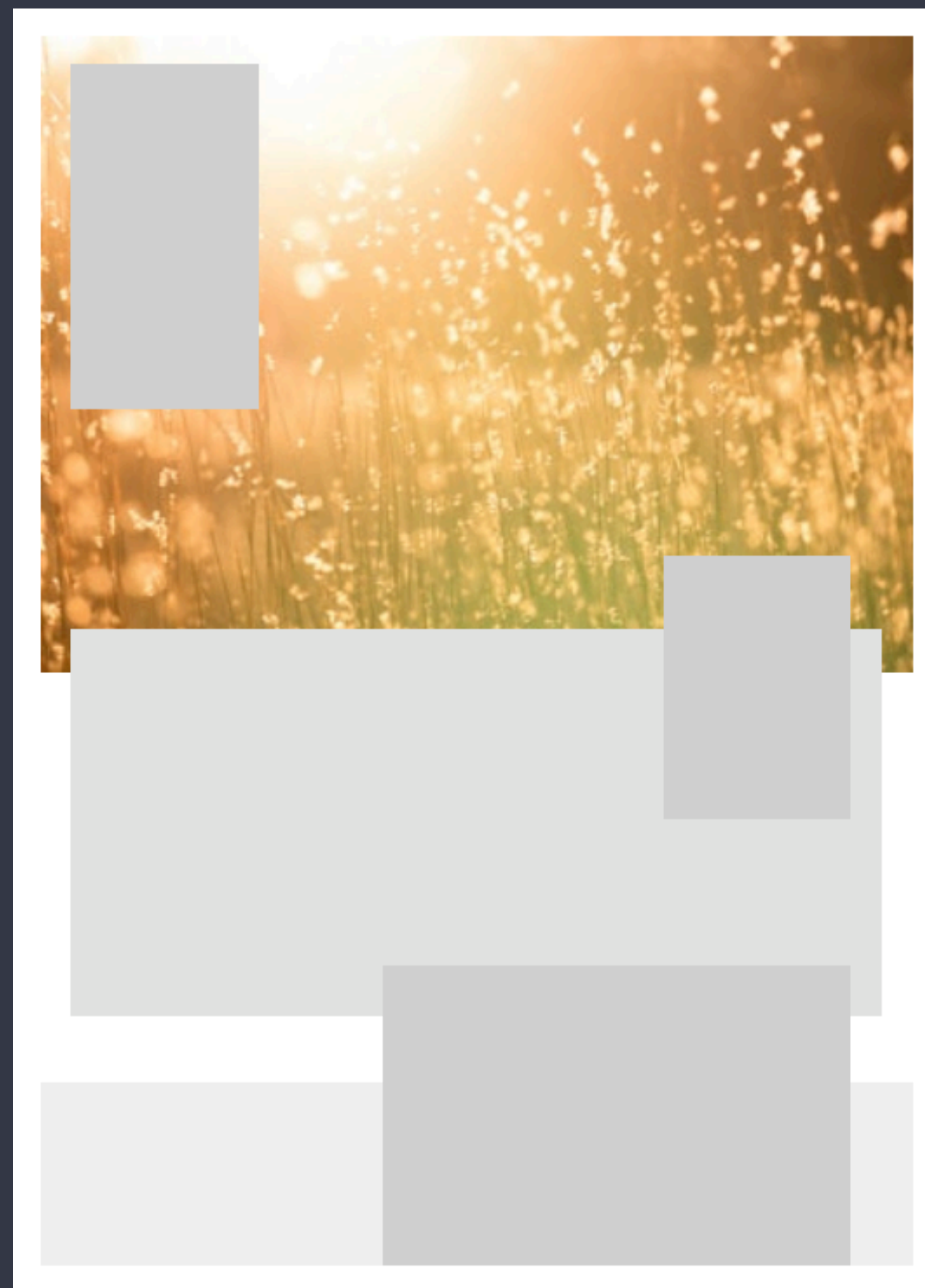
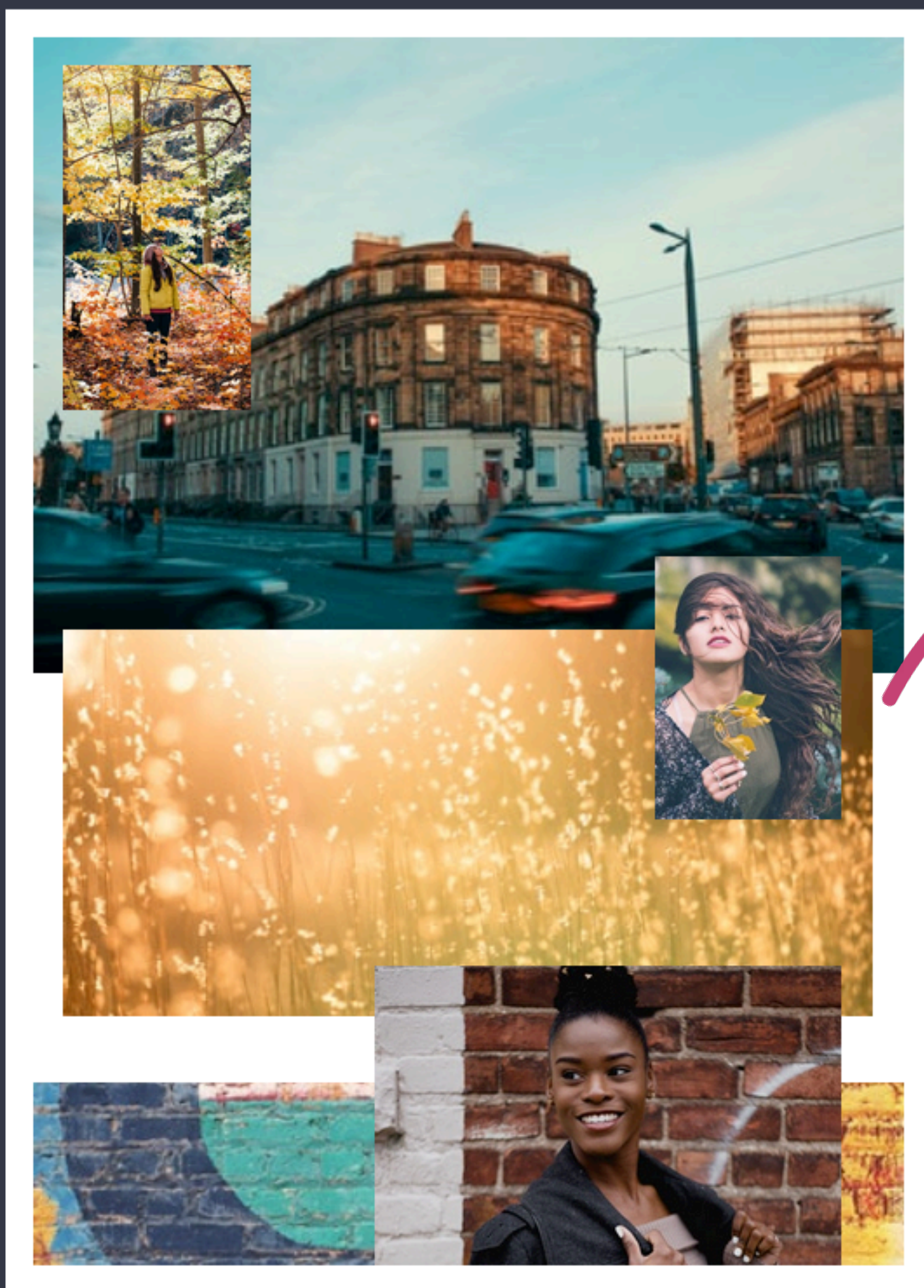
```
.panel-4 {  
  grid-column: 2 / -2;  
}
```




Hawkeye #1 - Marvel Comics



<https://codepen.io/antonjb/pen/zQ0vqa>



```
.panel-4 {  
  grid-row: 5 / 9;  
  grid-column: 2 / -2;  
}
```

```
.panel-4 {  
  grid-row: 1 / span 5;  
  grid-column: 1 / -1;  
}
```

STRUCTURE

CSS GRID

MAINTAIN



CSS Grid Layout and Accessibility

Jump to: [Re-ordering content in CSS Grid Layout](#) [How should we approach accessibility for grid layout?](#) [Grid and the danger of ma](#)

Further reading

[Web technology for developers](#) >

[CSS: Cascading Style Sheets](#) >

[CSS Grid Layout](#) >

CSS Grid Layout and Accessibility

Related Topics

CSS

CSS Reference

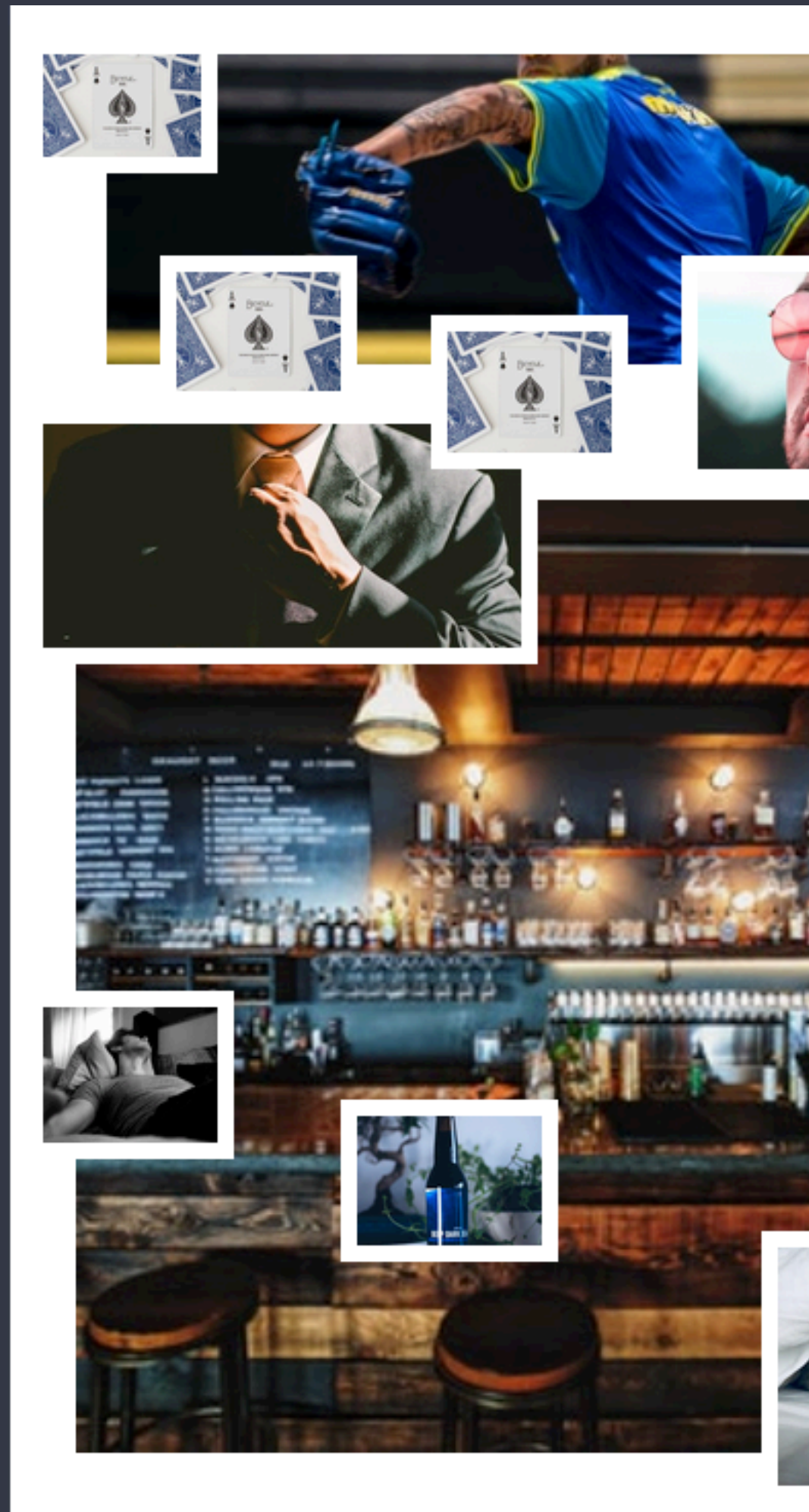
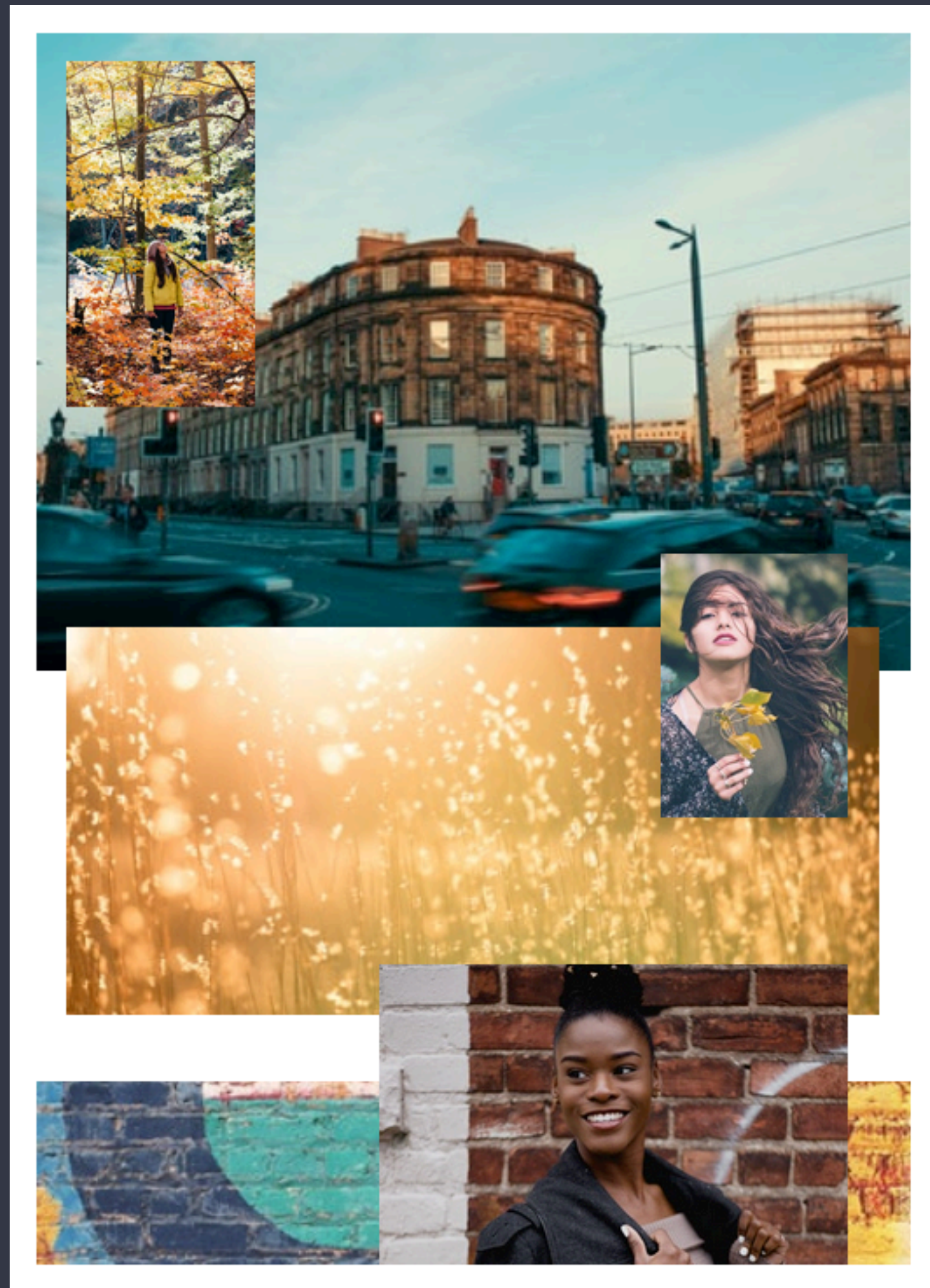
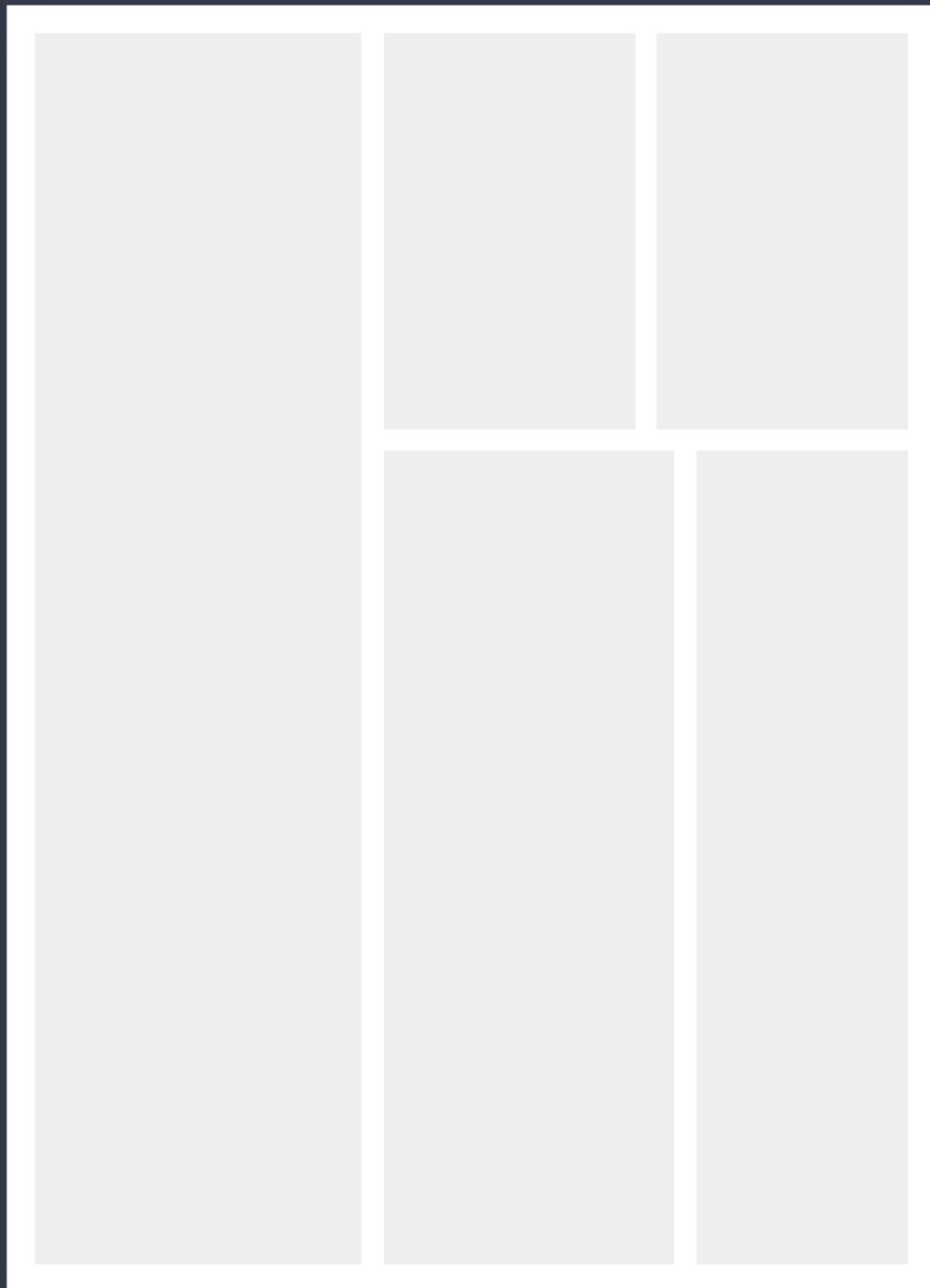
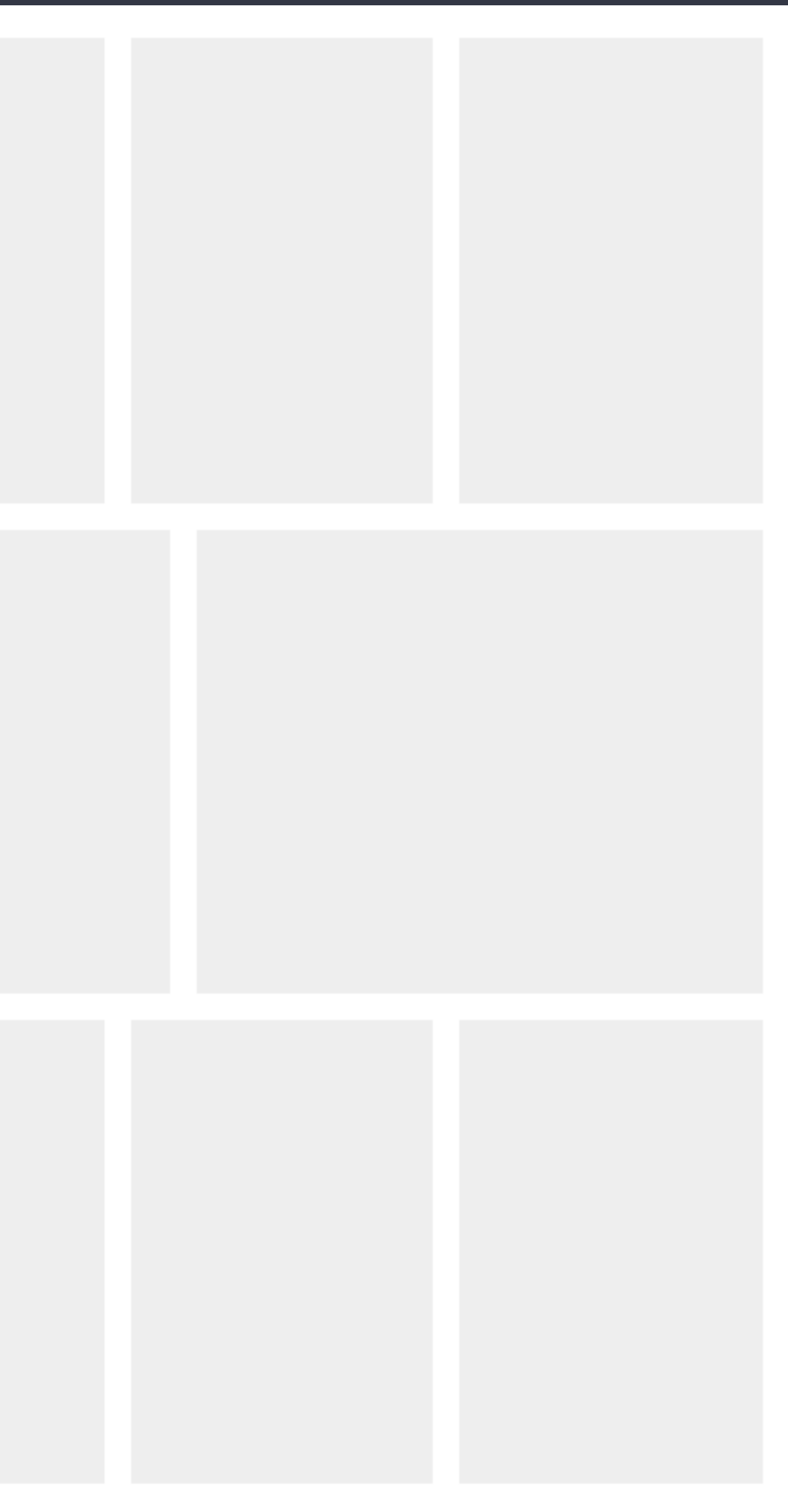
[CSS Grid Layout](#)

Guides

Those of us who have been doing web development for more years than we care to remember might consider that CSS Grid is a little bit like using “tables for layout”. Back in the early days of web design, the way we constructed page layout was to use HTML tables, then fragment our design into the cells of those tables in order to create a layout. This had some advantages over the “CSS Positioning” that came afterwards, in that we could take advantage of the alignment and full height columns offered by table display. The biggest downside however was that it tied our design to the mark-up, often creating accessibility issues as it did so. In order to lay the design out in the table we often broke up the content in ways that made no sense at all when read out by a screen reader for example.

In moving to CSS we often spoke about CSS for layout enabling a separation of content and markup and presentation. The ultimate aim being that we could create a semantic and well structured document, then apply CSS to create the layout we desired. Sites such as the [CSS Zen Garden](#) showcased this ability. The CSS Zen Garden challenged us to take identical markup and create a unique design using CSS.

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Grid_Layout/CSS_Grid_Layout_and_Accessibility





Generations: Phoenix and Jean Grey - Marvel Comics



<https://codepen.io/antonjb/pen/mYyJvj>

CLIP-PATH

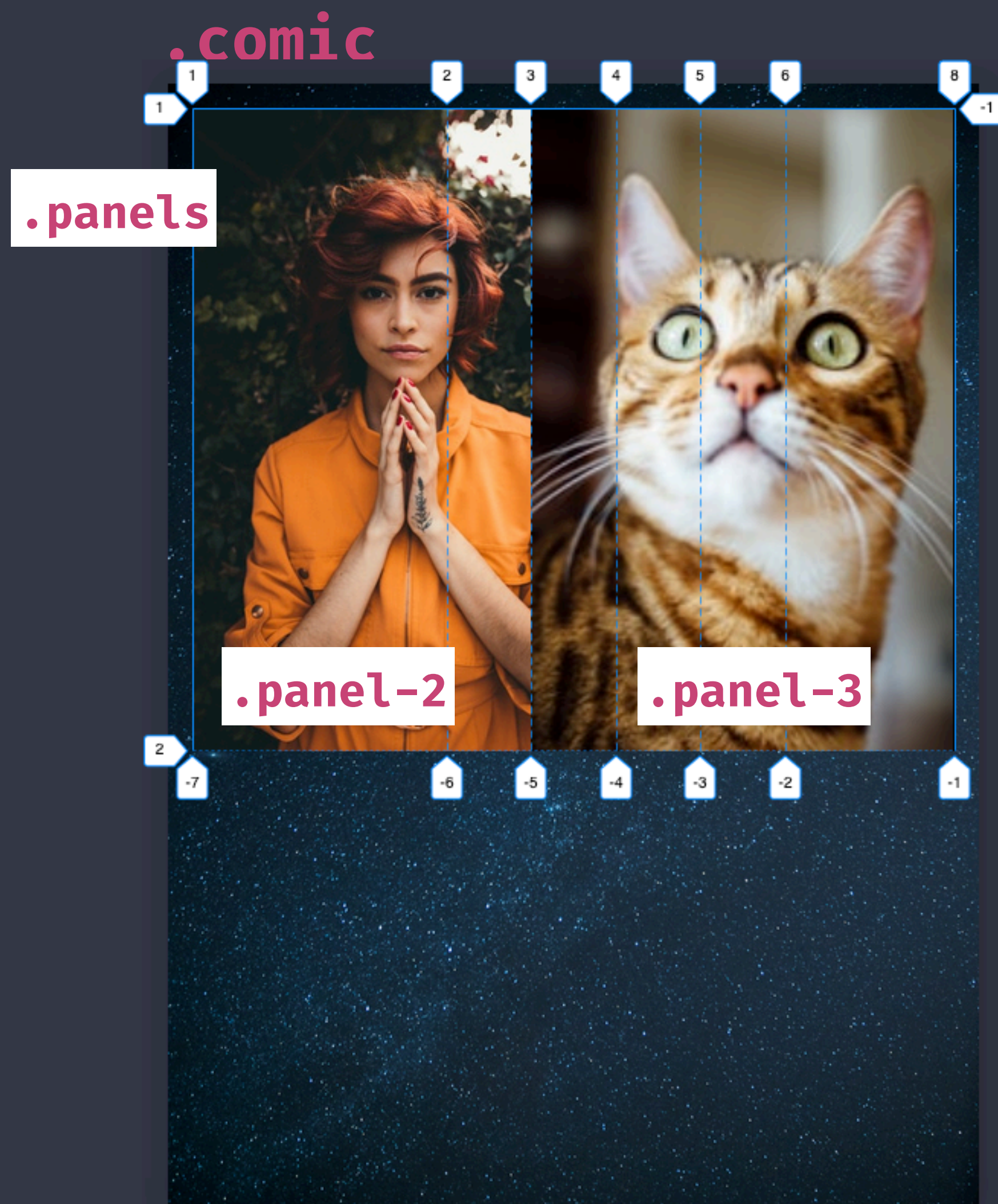


I don't feel so good...

`.comic`



```
.comic {  
  position: relative;  
  background-image: url(space.jpg);  
  background-size: cover;  
  background-position: center;  
  overflow: hidden;  
}
```

```
.panels {  
  display: grid;  
  grid-template-columns: 3fr repeat(4, 1fr) 2fr;  
}
```



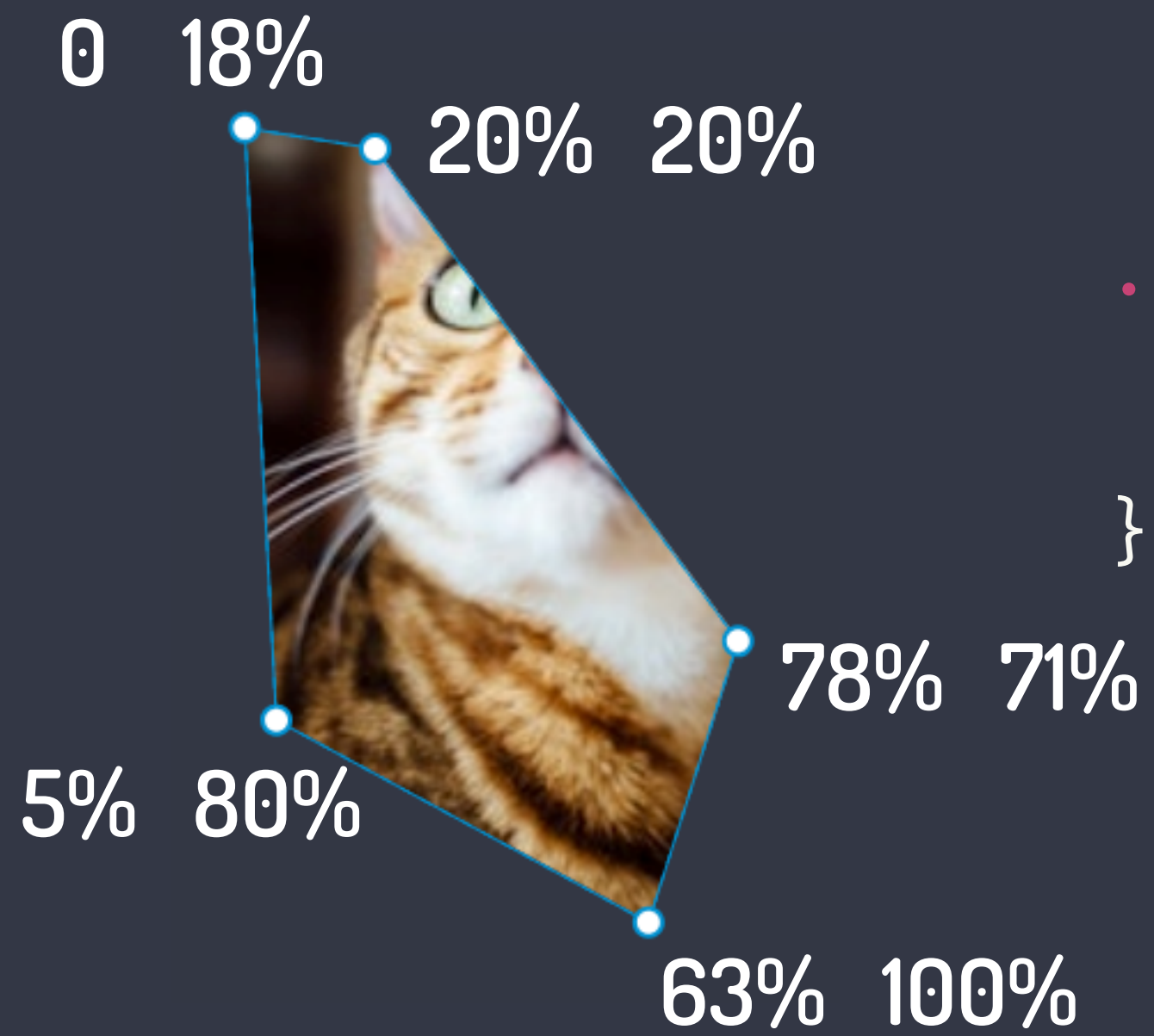

```
.panels {  
  display: grid;  
  grid-template-columns: 3fr repeat(4, 1fr) 2fr;  
}
```


`.comic`

`.panels`



```
.panels {  
  display: grid;  
  grid-template-columns: 3fr repeat(4, 1fr) 2fr;  
  position: absolute;  
  left: -20%;  
  right: -20%;  
  bottom: -10%;  
  top: 20%;  
  transform: rotate(-20deg) translateY(100px);  
}
```

```
.panel-3 {  
    clip-path: polygon(0 18%, 20% 20%, 78%  
    71%, 63% 100%, 5% 80%);  
}
```


.comic



```
.panel-1 {  
  grid-column: 1 / 1;  
  grid-row: 1;  
  clip-path: polygon(0 2%, 98% 15%,  
                    89% 100%, 0 100%);  
}  
  
.panel-2 {  
  grid-column: 1 / span 3;  
  grid-row: 1;  
  z-index: 1;  
  clip-path: polygon(59% 16%, 80% 18%,  
                    86% 100%, 54% 100%);  
}
```




Inspector Console Debugger Style Editor Performance Memory Network

Search HTML Rules Layout Computed Changes Fonts Animations

```
<!DOCTYPE html>
<html lang="en" event
  ><head></head>
  ><body translate="no" grid
    ><main class="comic"
      ><div class="panels" grid
        ><div class="panel-1"></div>
        ><div class="panel-2"></div>
        ><div class="panel-3"></div>
        ><div class="panel-4"></div>
        ><div class="panel-5"></div>
      </div>
    </main>
    <script src="https://static.codepen.
      5619_905a68b2e6298901de54f73cefe4e07
    </body>
  </html>
```

Filter Styles

Pseudo-elements

This Element

```
element {
}
.panel-1 {
  grid-column: 1 / 1;
  grid-row: 1;
  polygon(1% 2%, 98.5% 15.75%, 89% 100%, 0 100%);
}
[class^="panel-"] {
  background-color: white;
  background-size: cover;
}
article, aside, details, div, dt, figcaption, footer, form, header, hgroup, html, main, nav, section, summary {
  display: block;
}
address, article, aside, blockquote, body, caption, center, col, colgroup, dd, dir, div, dl, dt, fieldset, figcaption, figure, footer, form, h1, h2, h3, h4, h5, h6, header, hgroup, hr, html, legend, main, marquee, menu, nav, noframes, ol, p, plaintext, pre, section, tbody, td, tfoot, th, thead, tr, ul, xmp {
  unicode-bidi: isolate;
}
```

main.comic > div.panels > div.panel-1

Filter output

36 items hidden

Errors Warnings (36) Logs Info Debug CSS XHR Requests

.comic



```
.panel-1 {  
  grid-column: 1 / 1;  
  grid-row: 1;  
  clip-path: polygon(1% 2%, 98.5% 15.75%,  
                    89% 100%, 0 100%);  
}
```

```
.panel-1 img {  
  clip-path: polygon(1% 2%, 98.5% 15.75%,  
                    89% 100%, 0 100%);  
  transform: scale(0.95);  
  transform-origin: 70% 22%;  
}
```




<https://codepen.io/antonjb/pen/mYyJvj>





Detective Comics #876 - DC Comics

An aerial photograph of a city with several blue, semi-transparent panels overlaid on it. The panels are tilted and arranged in a way that suggests a grid layout. Two panels are specifically labeled with white boxes containing the text '.panel-1' and '.panel-2'.

.panel-1

.panel-2

```
.panel-1 {  
  grid-row: 1 / span 3;  
  grid-column: 1 / span 4;  
  transform: perspective(200px)  
            rotate(-14deg, 6deg, -10deg);  
}
```

```
.panel-2 {  
  grid-row: 2 / span 3;  
  grid-column: 2 / span 4;  
  transform: perspective(600px)  
            rotate(-16deg, 4deg);  
}
```

<https://codepen.io/antonjb/pen/EJ0LMx>



```
.panel-3 {  
  grid-row: 2 / span 3;  
  grid-column: 2 / span 4;  
  transform: perspective(600px)  
    rotateX(-16deg)  
    rotateY(4deg);  
  clip-path: polygon(207px -7px, 315px -8px, 310px  
    189px, -1% 102%, -6px 88px,  
    69% 20%);  
}
```




<https://codepen.io/antonjb/pen/EJOLMx>



Detective Comics #876 - DC Comics



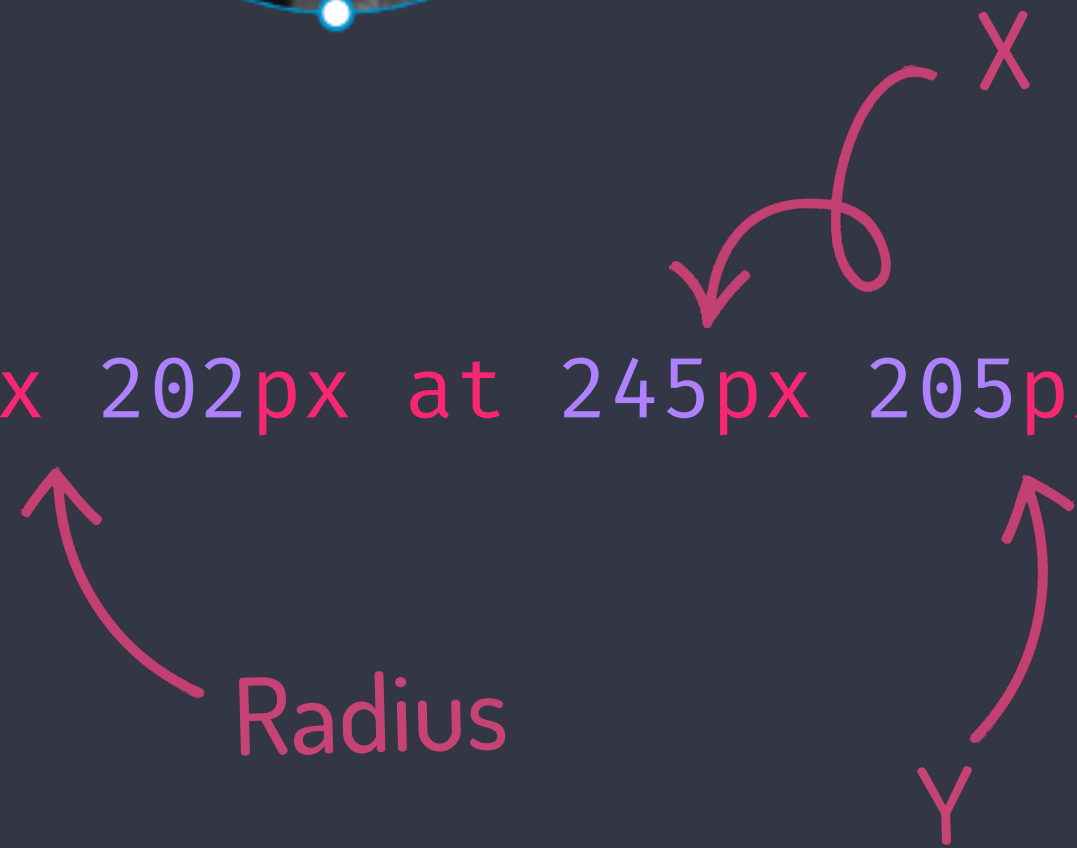
<https://codepen.io/antonjb/pen/JqjdBr>

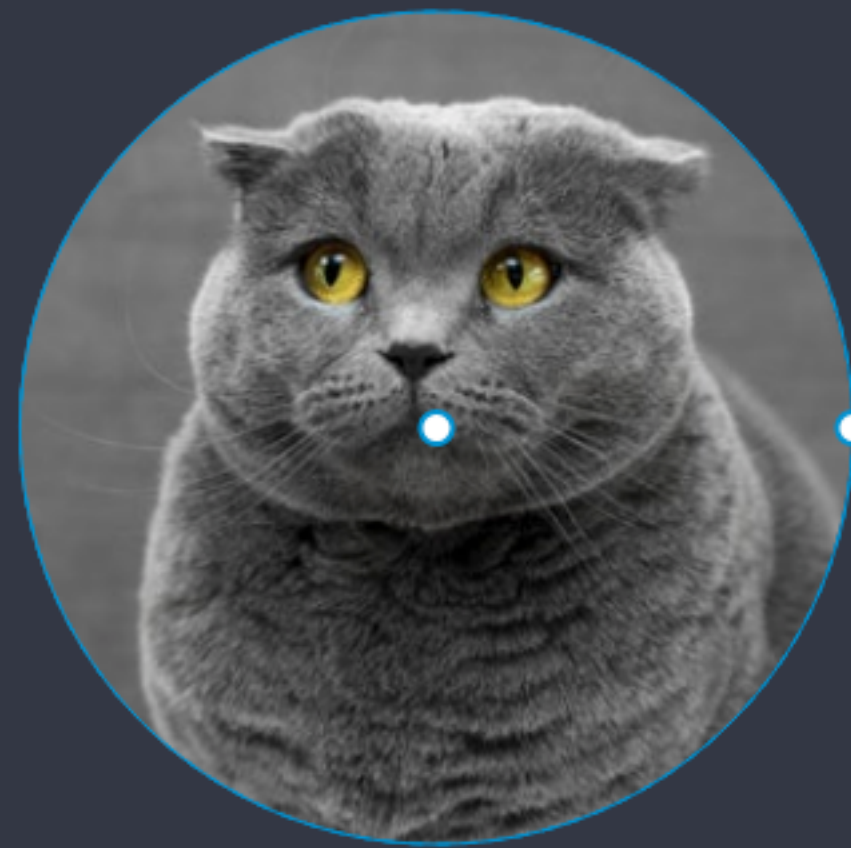


Flash - DC Comics



```
ellipse(148px 202px at 245px 205px);
```





```
circle(156px at 241px 162px);
```

Radius

X

Y



Saga 1 - Image Comics

CSS SHAPES





But if he'd known what wheels
had started spinning over
on Wreath, my father
never would have
left those
tunnels.



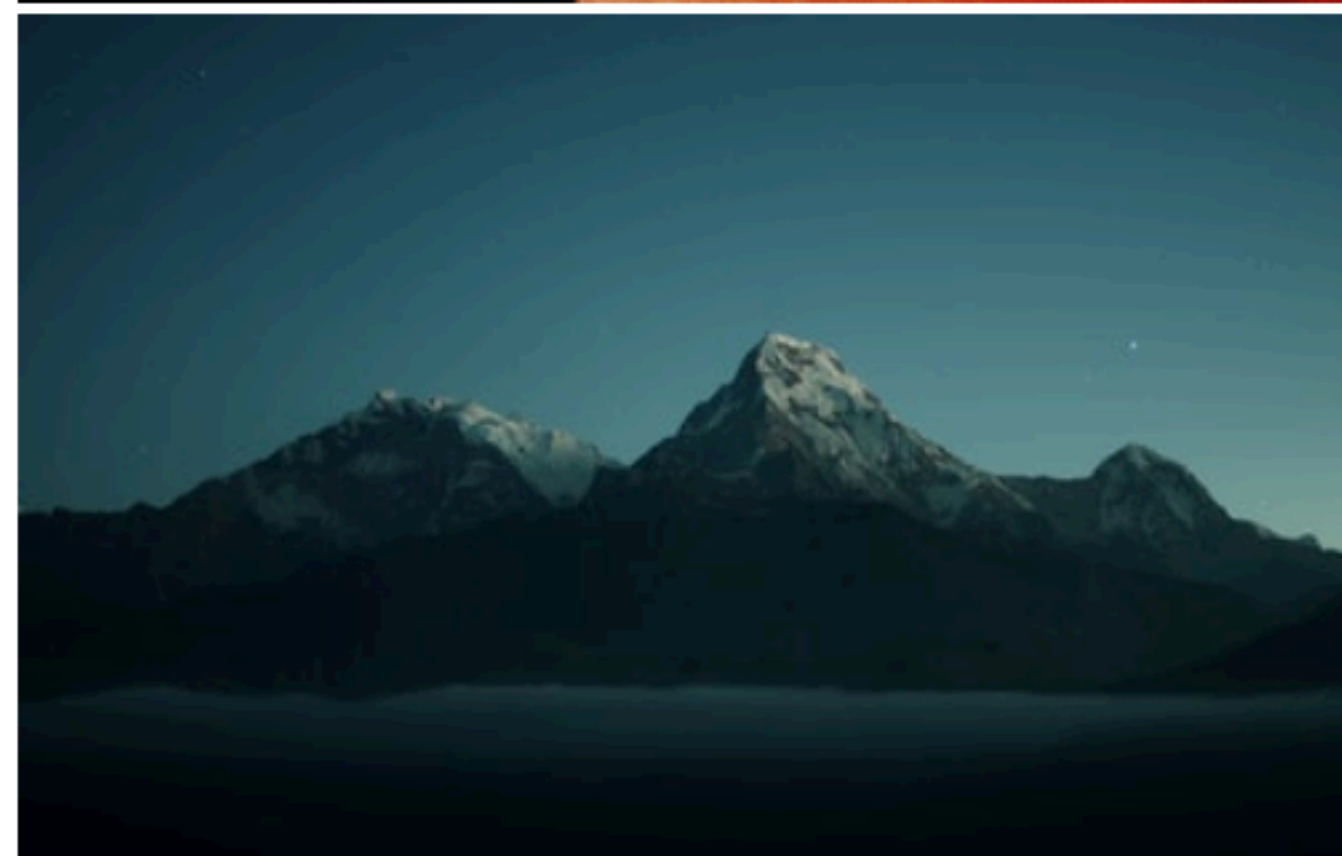
But if he'd known what wheels
had started spinning over
on Wreath, my father
never would have
left those
tunnels.

Saga 1 - Image Comics

`.panel p`

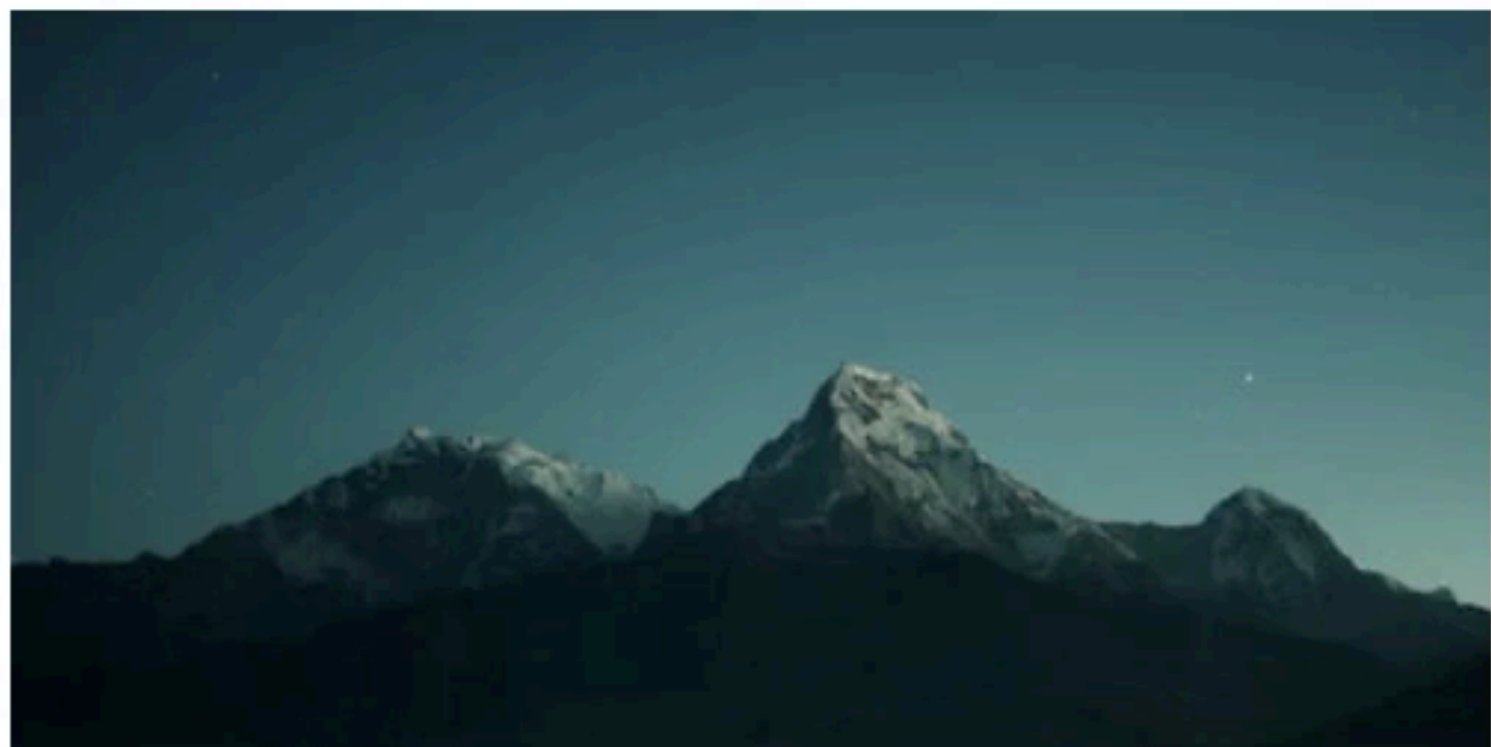
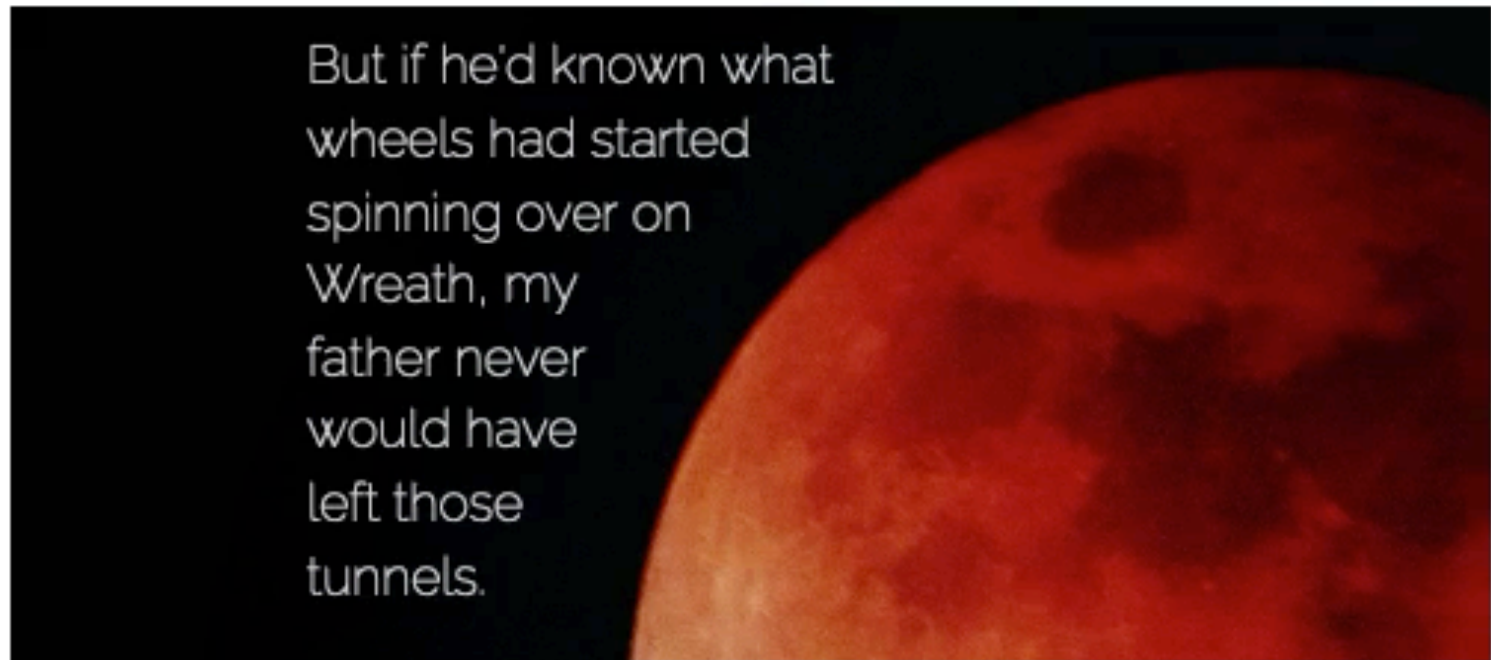
But if he'd known what
wheels had started
spinning over on
Wreath, my
father never
would have
left those
tunnels.

`.panel img`



```
.panel-1 {  
  position: relative;  
}  
  
.panel p {  
  margin: 0;  
  margin-left: 100px;  
  margin-top: 8px;  
  width: 400px;  
}  
  
.panel img {  
  float: right;  
  width: 800px;  
  height: 800px;  
  shape-outside: circle(219px at 355px 225px);  
}
```

<https://codepen.io/antonjb/pen/xNGEye>



Inspector Console Debugger Style Editor Performance Memory Network

Search HTML

Rules Layout Computed Changes Fonts

Filter Styles

Pseudo-elements

This Element

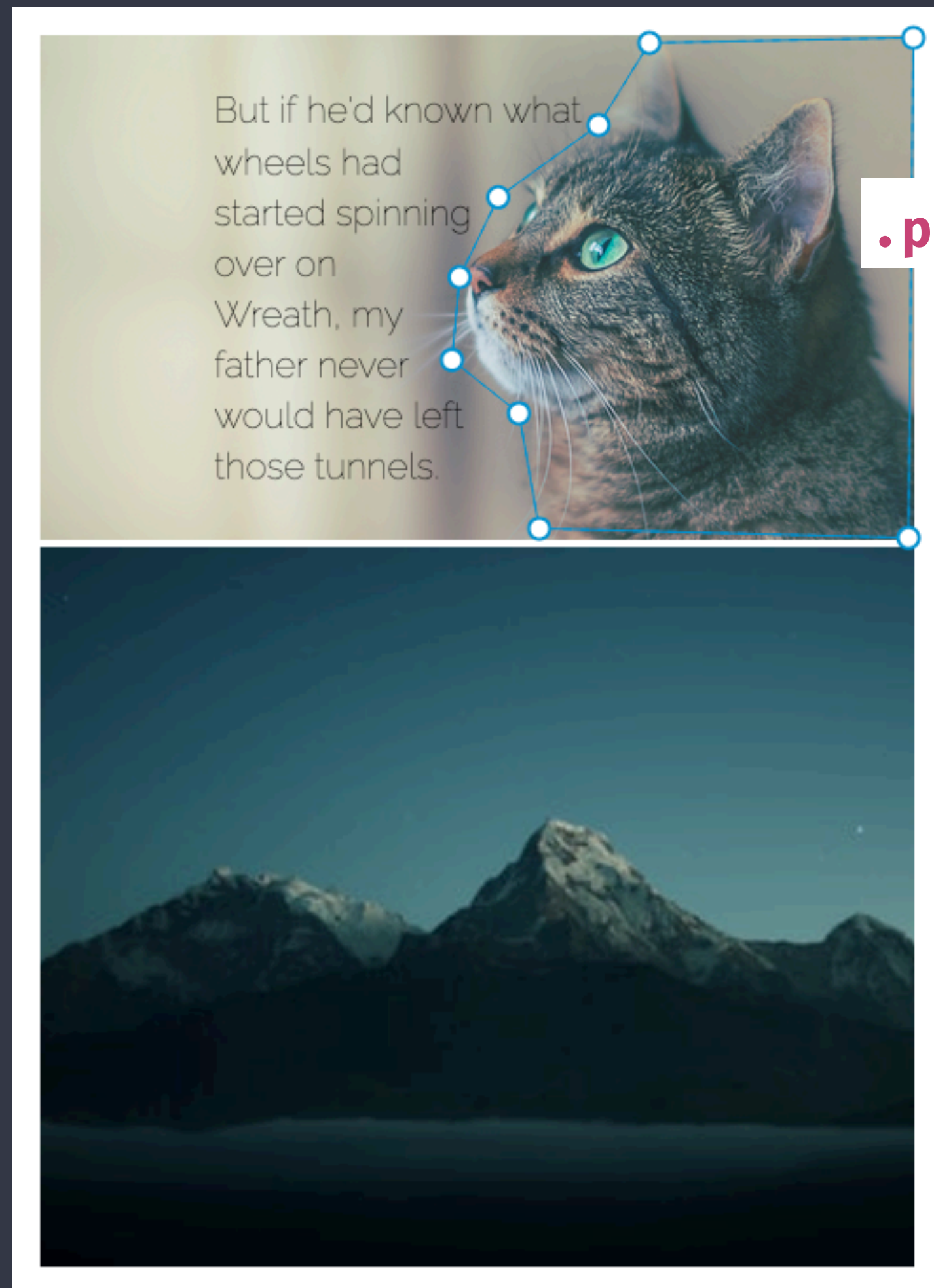
```
element {
}
.panel-1 img {
  float: right;
  width: 800px;
  height: 800px;
  margin-right: -360px;
  margin-top: -116px;
  border-radius: 50%;
  shape-outside: circle(219px at 355px 225px);
}
[class^="panel-"] img {
  width: 100%;
  height: 100%;
  object-fit: cover;
}
img {
  border-style: none;
}
Inherited from div
.panel-1 {
}
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body translate="no">
    <main class="comic">
      <div class="panel-1">
        
        <p></p>
      </div>
      <div class="panel-2">
      </div>
      <div class="panel-3">
      </div>
    </main>
    <script src="https://static.codepen.io/assets/editor/live/css_reload-5619...905a68b2e6298901de54f73cefe4e079f65a75406858d92924b4938bf.js"></script>
  </body>
</html>
```

html > body > main.comic > div.panel-1 > img

Filter output

Persist Logs



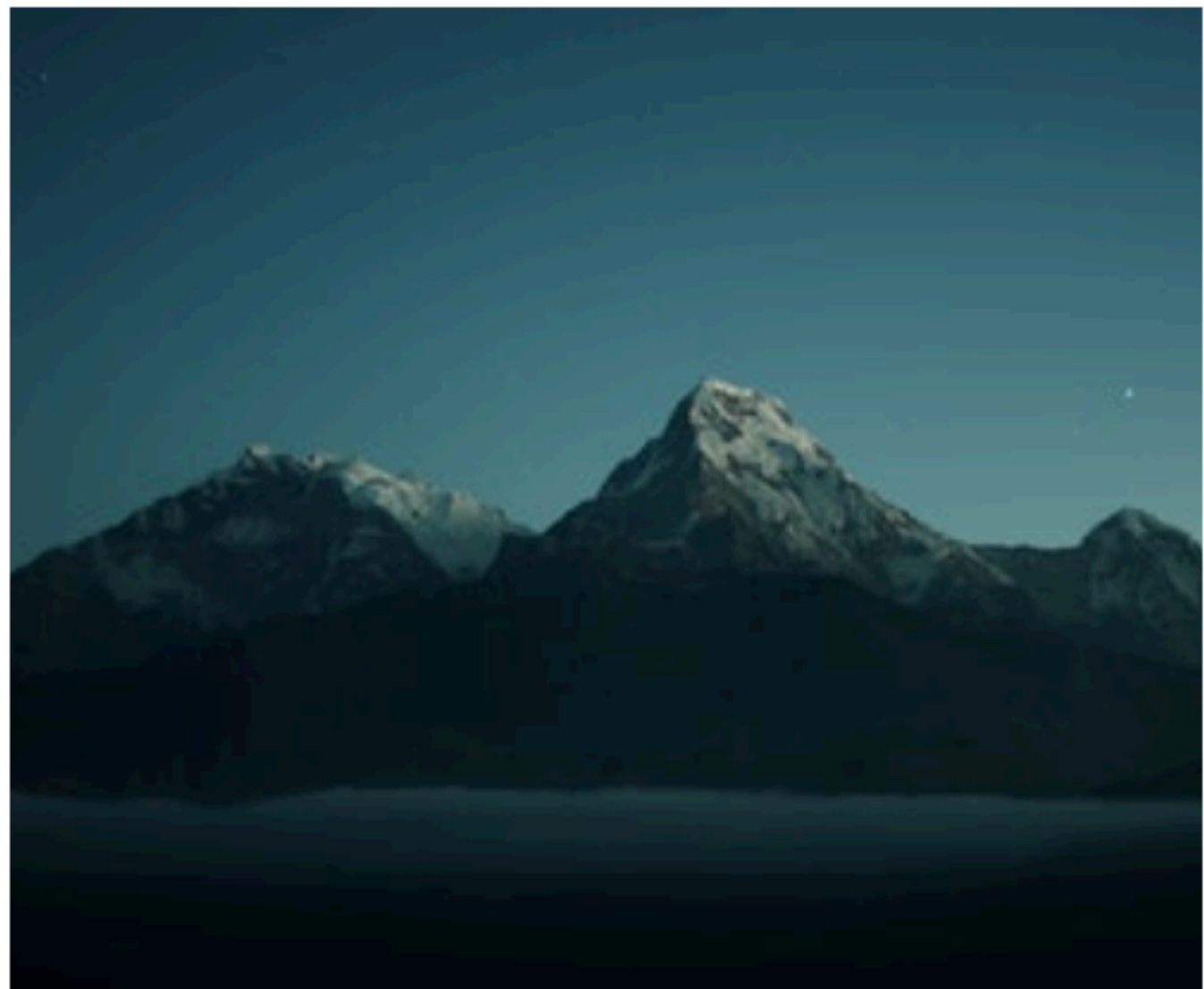
.panel img

```
.panel img {  
  float: right;  
  shape-outside: polygon(349px 4px, 500px 1px,  
    99.44% 99.51%, 286px 282px, 54.86%  
    74.82%, 47.21% 64.25%, 48.08% 47.82%,  
    52.5% 32.01%, 63.98% 17.66%);  
}
```

<https://codepen.io/antonjb/pen/xNGEye>

cat-mask.png

But if he'd known what
wheels had
started spinning
over on
Wreath, my
father never
would have left
those tunnels.



```
.panel img {  
  float: right;  
  shape-outside: url('cat-mask.png')  
}
```

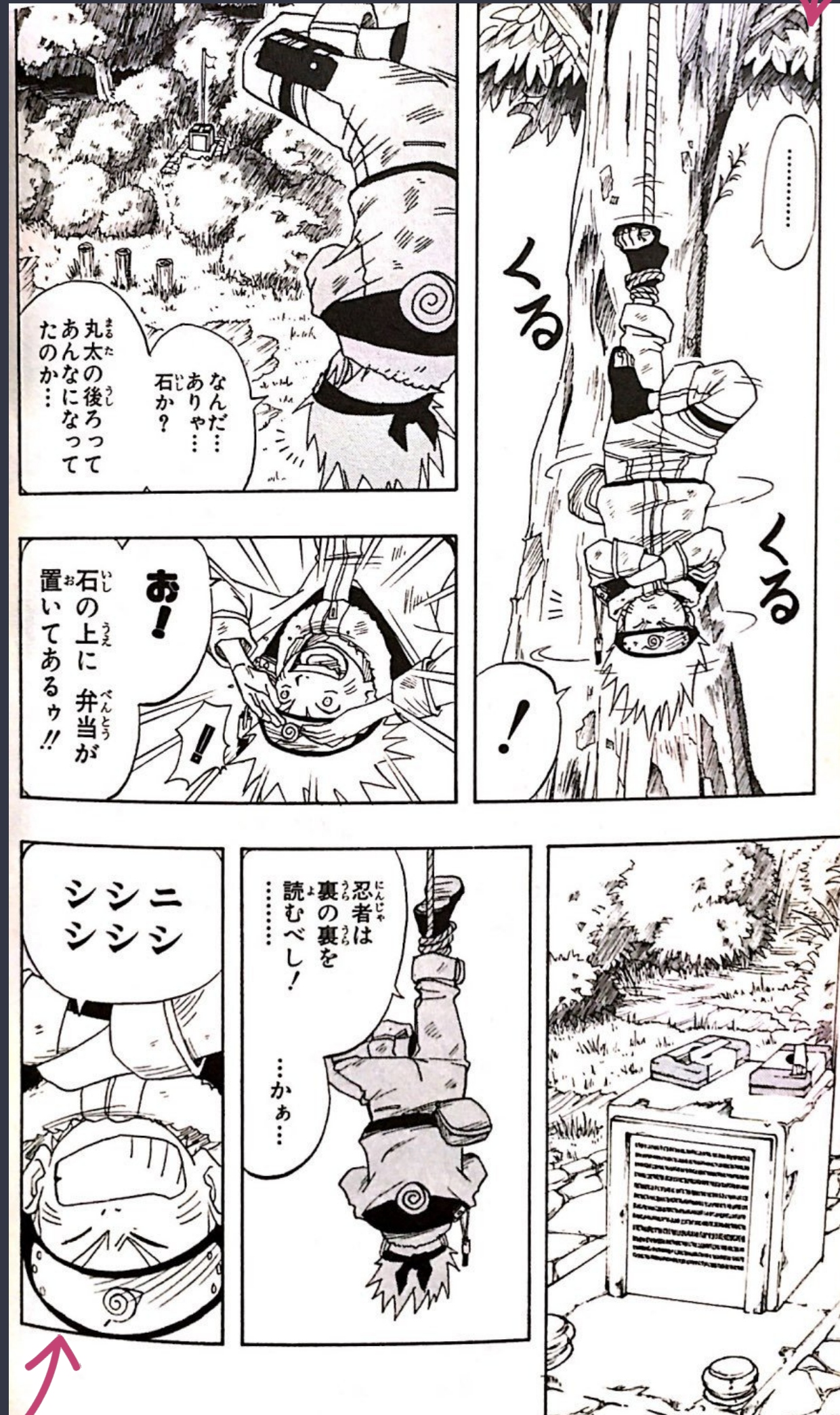

NANI?!
何

WHAT?

NANI?!
何

WHAT?

Start

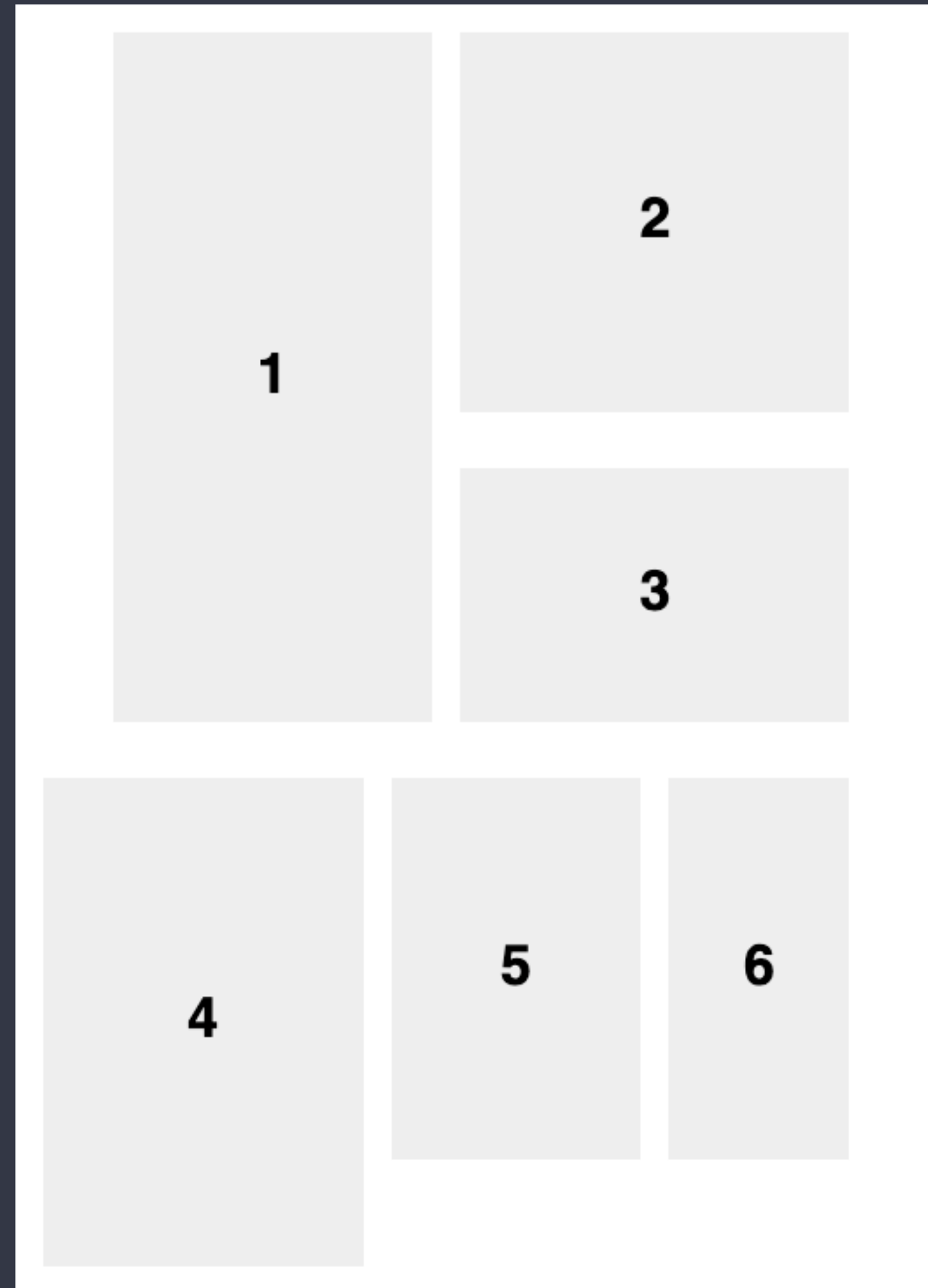


Finish

Naruto Vol. 1 - Shueisha

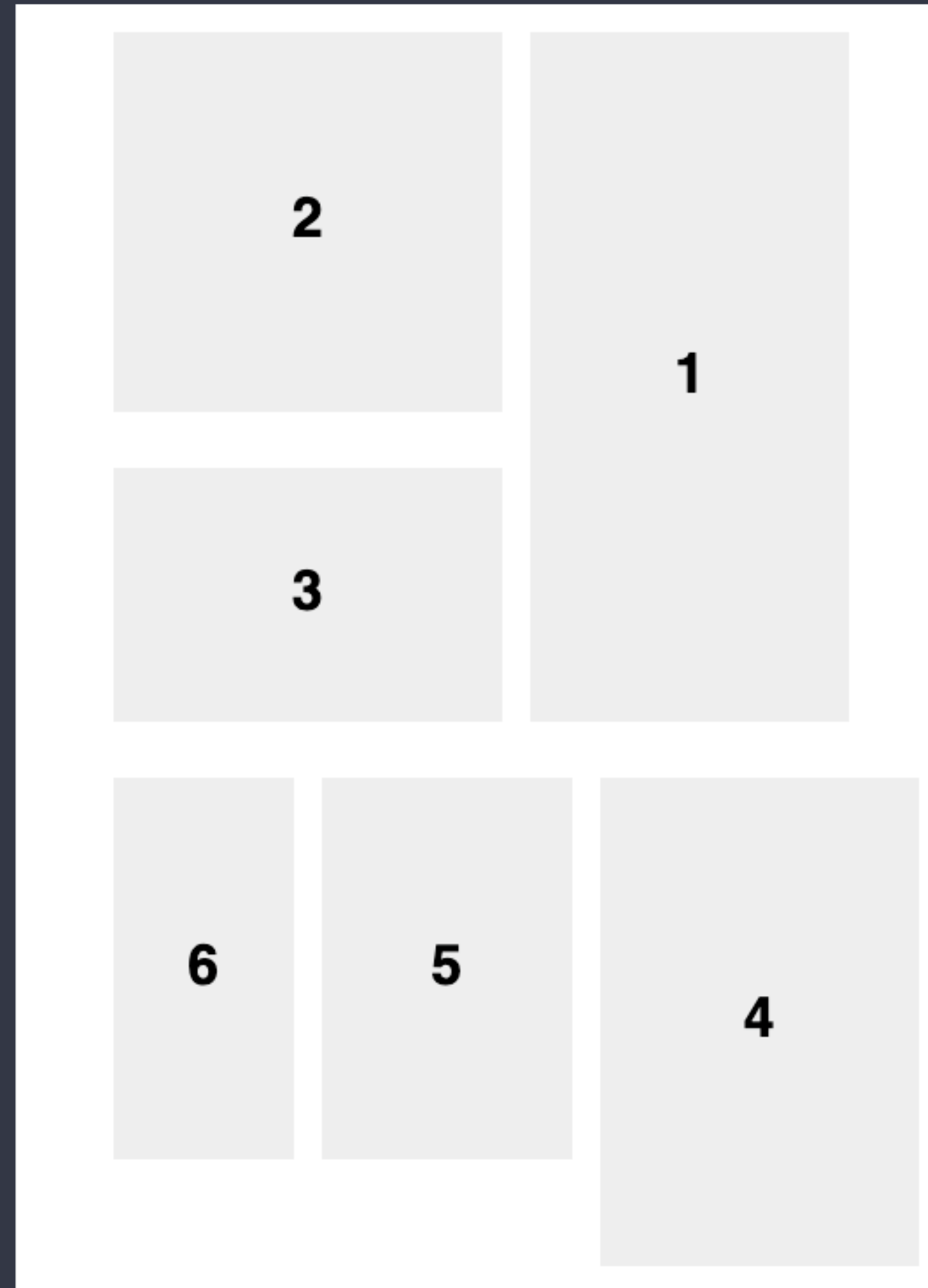
Naruto Vol. 1 - Madman Entertainment


```
<main class="comic" dir="ltr">
```



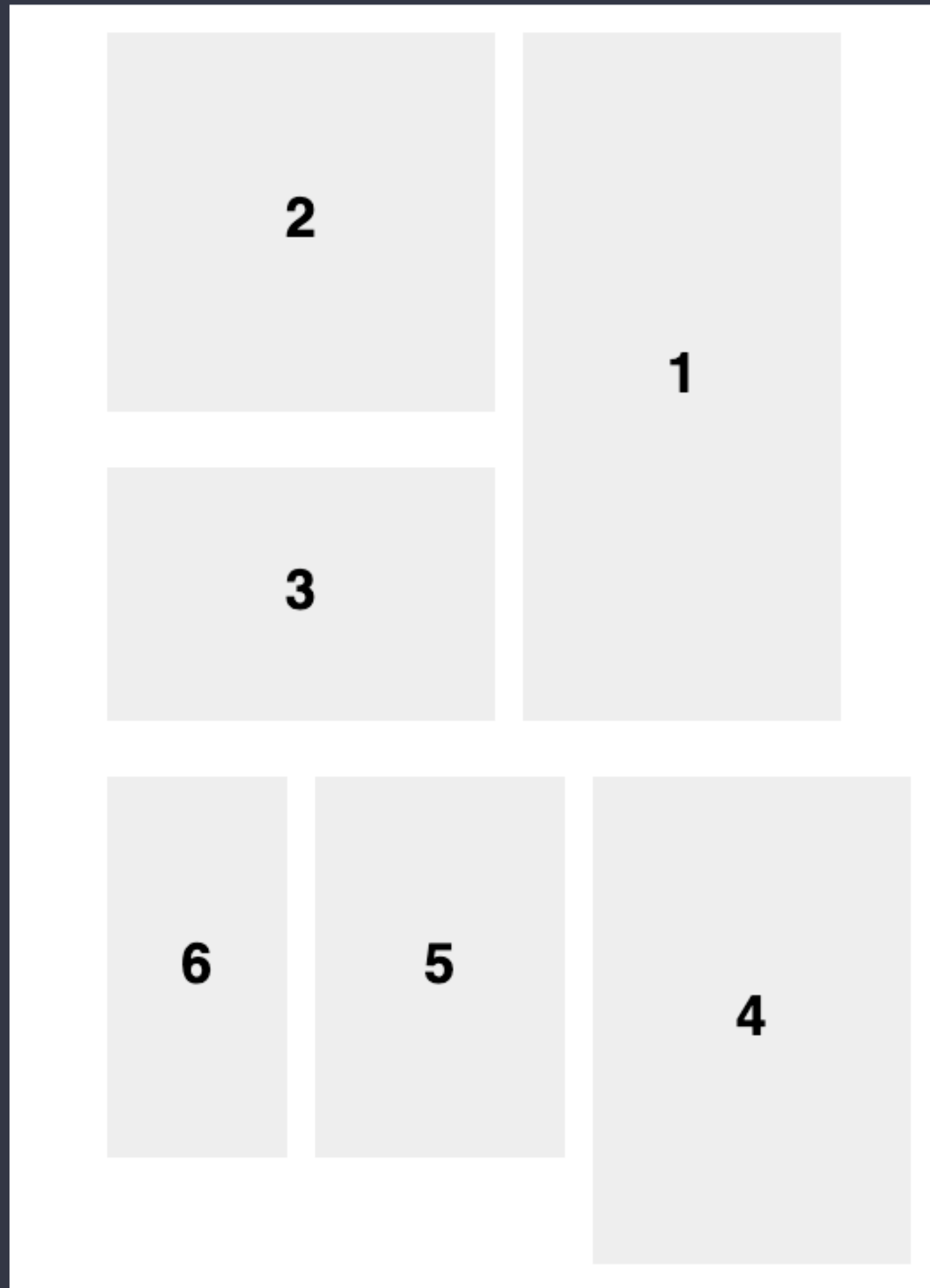
<https://codepen.io/antonjb/pen/EzKBKz>


```
<main class="comic" dir="rtl">
```



<https://codepen.io/antonjb/pen/EzKBKz>

.comic



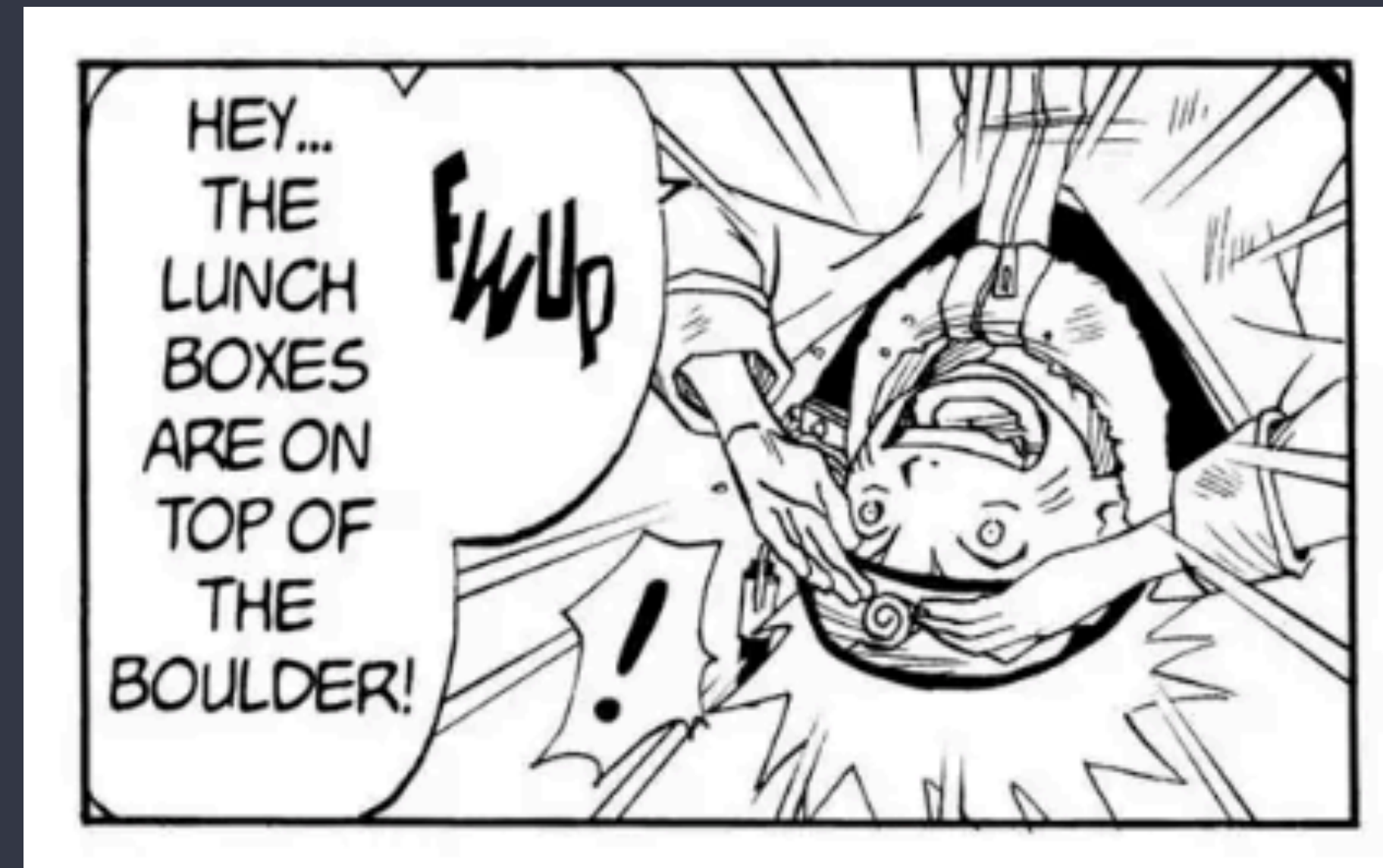
```
.comic {  
  display: grid;  
  grid-gap: 2rem 1rem;  
}
```




あ！
石の上に弁当が
置いてあるウ！！

あ！

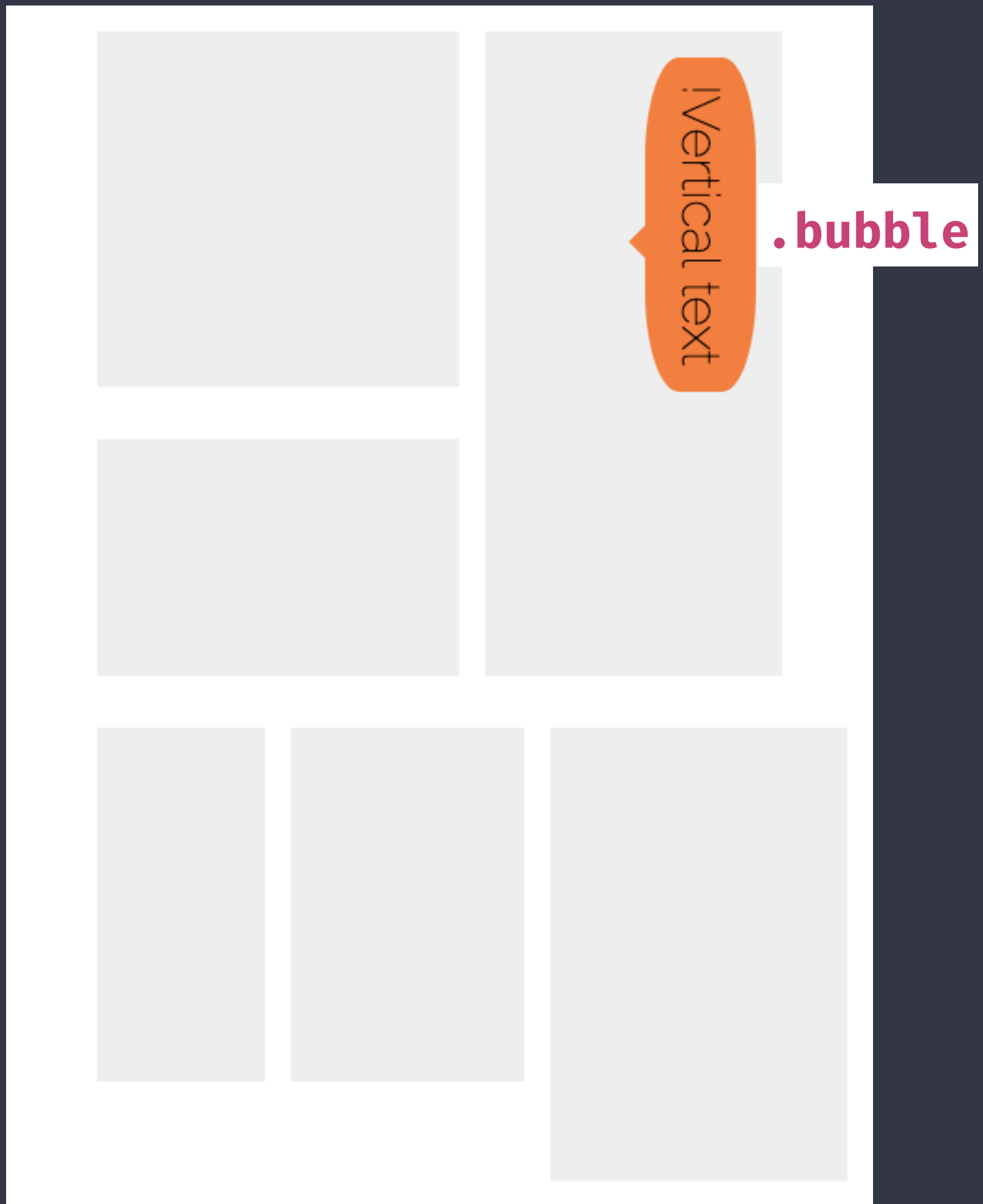
Naruto Vol. 1 - Shueisha



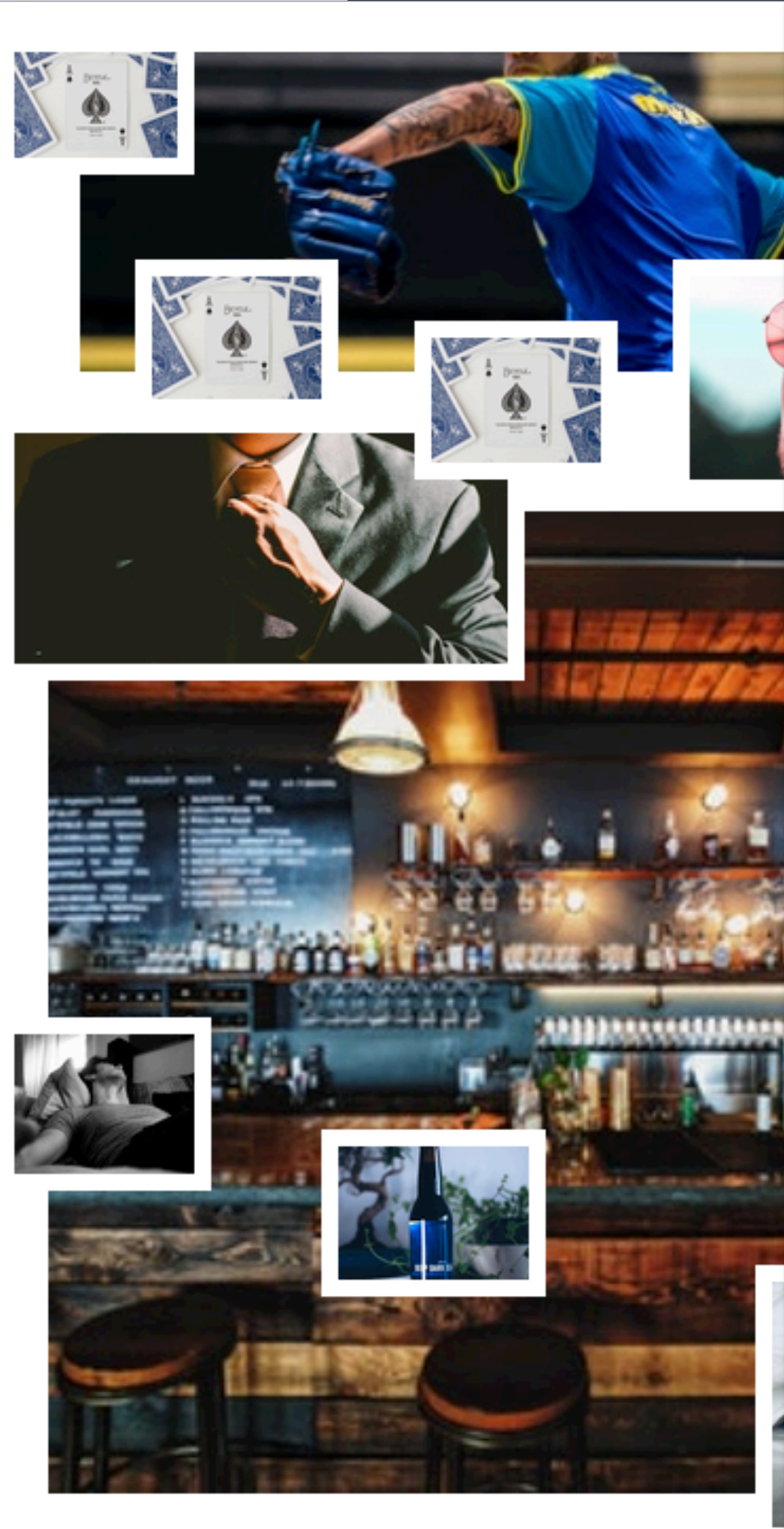
HEY...
THE
LUNCH
BOXES
ARE ON
TOP OF
THE
BOULDER!

FWUP

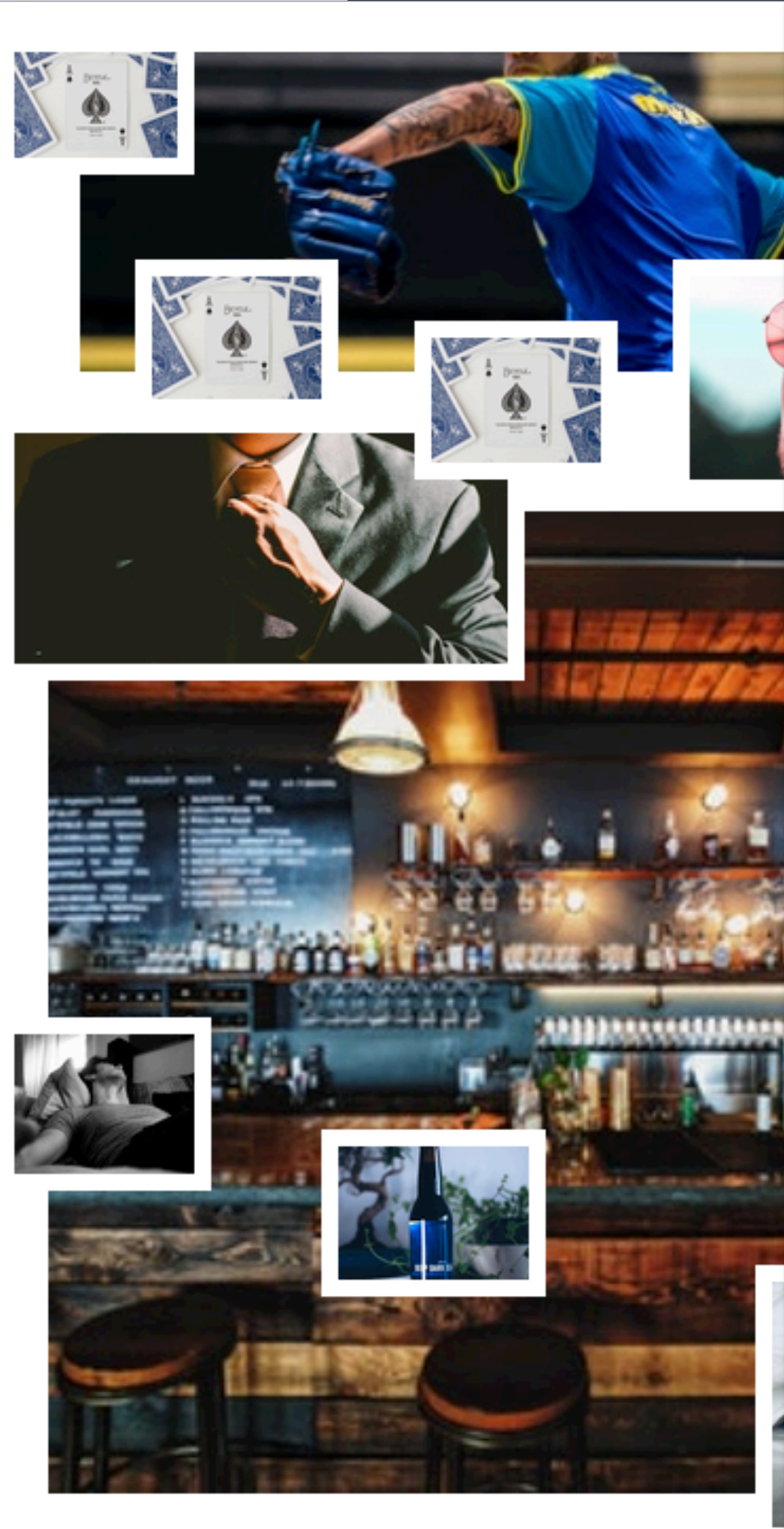
Naruto Vol. 1 - Madman Entertainment



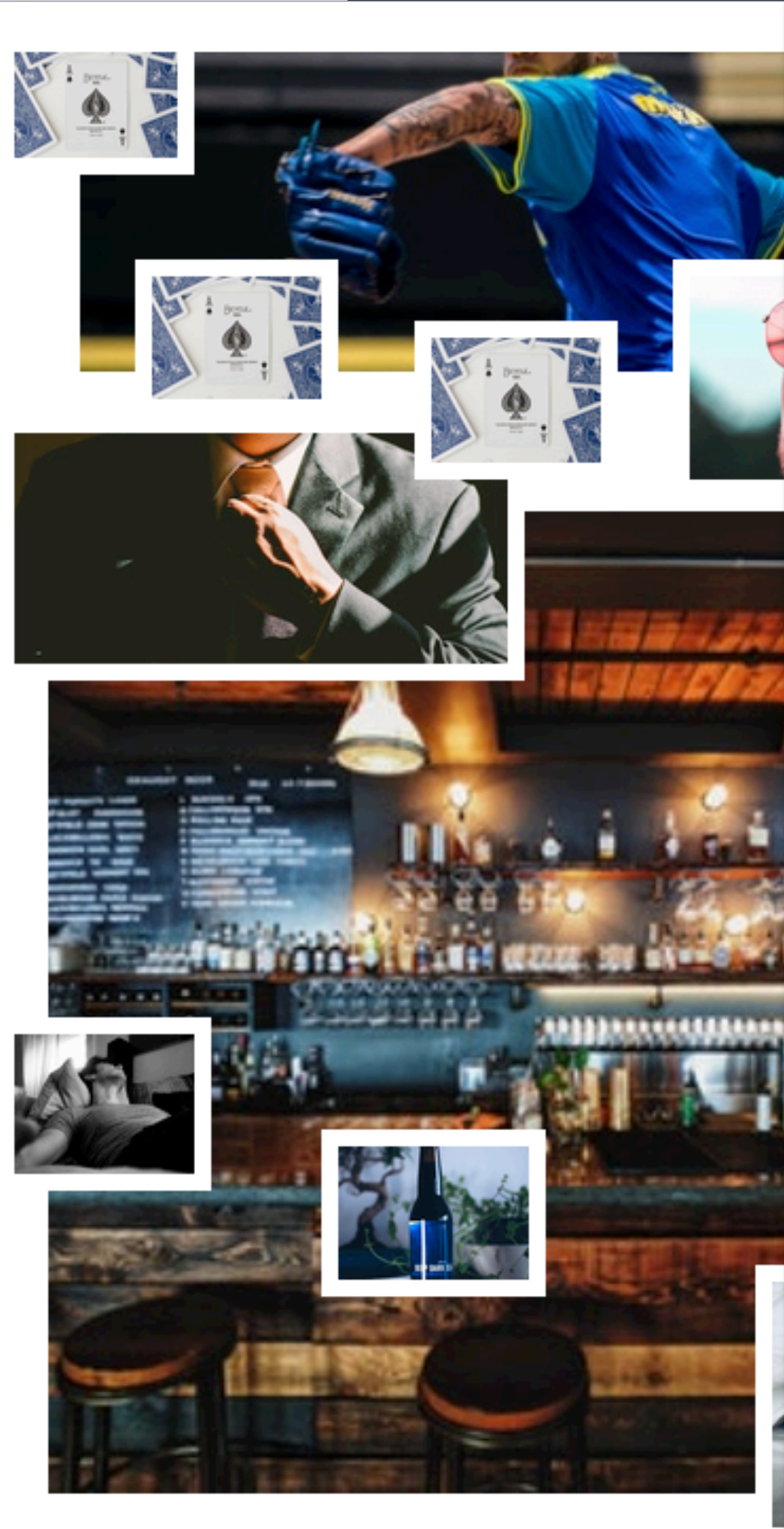
```
.bubble {  
  writing-mode: vertical-rl;  
}
```

if he'd known what
feels had started
ining over on
bath, my
er never
uld have
those
nels.



if he'd known what
feels had started
ining over on
bath, my
er never
uld have
those
nels.



if he'd known what
feels had started
ining over on
bath, my
er never
uld have
those
nels.

**WITH GREAT POWER
COMES GREAT
RESPONSIBILITY**

- Uncle Ben

RESOURCES

RACHEL
ANDREW

<https://twitter.com/rachelandrew>
<https://gridbyexample.com/>

<https://twitter.com/jensimmons>
<https://labs.jensimmons.com/>

JEN
SIMMONS

CODEPEN COLLECTION

<https://codepen.io/collection/DjwRaP/>

“EVER UPWARD”

EXCELSIOR!

- Stan Lee

THANK YOU
@antonjb