

# 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

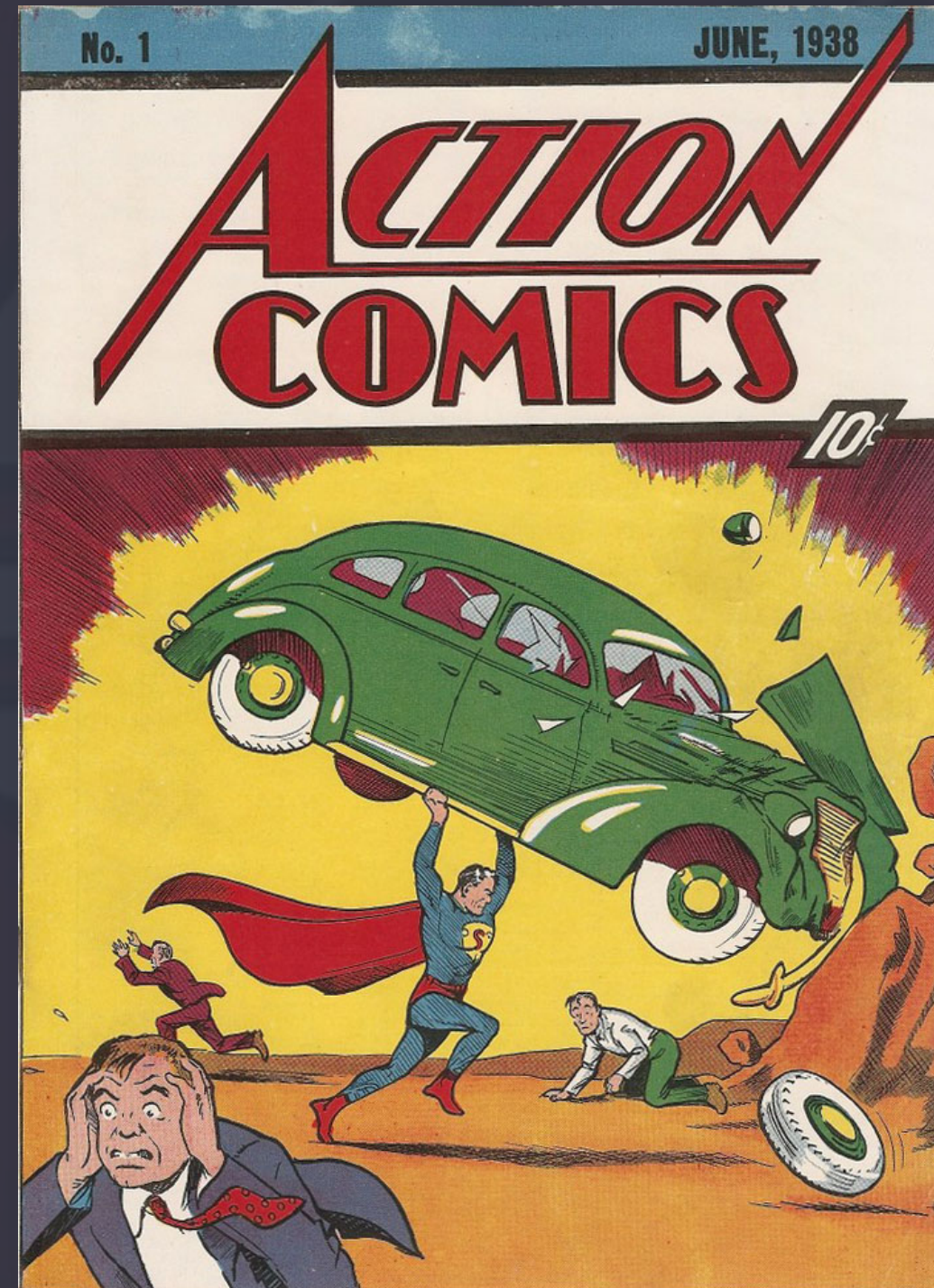
INTRINSIC

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

**ANTON BALL**  
@antonjb







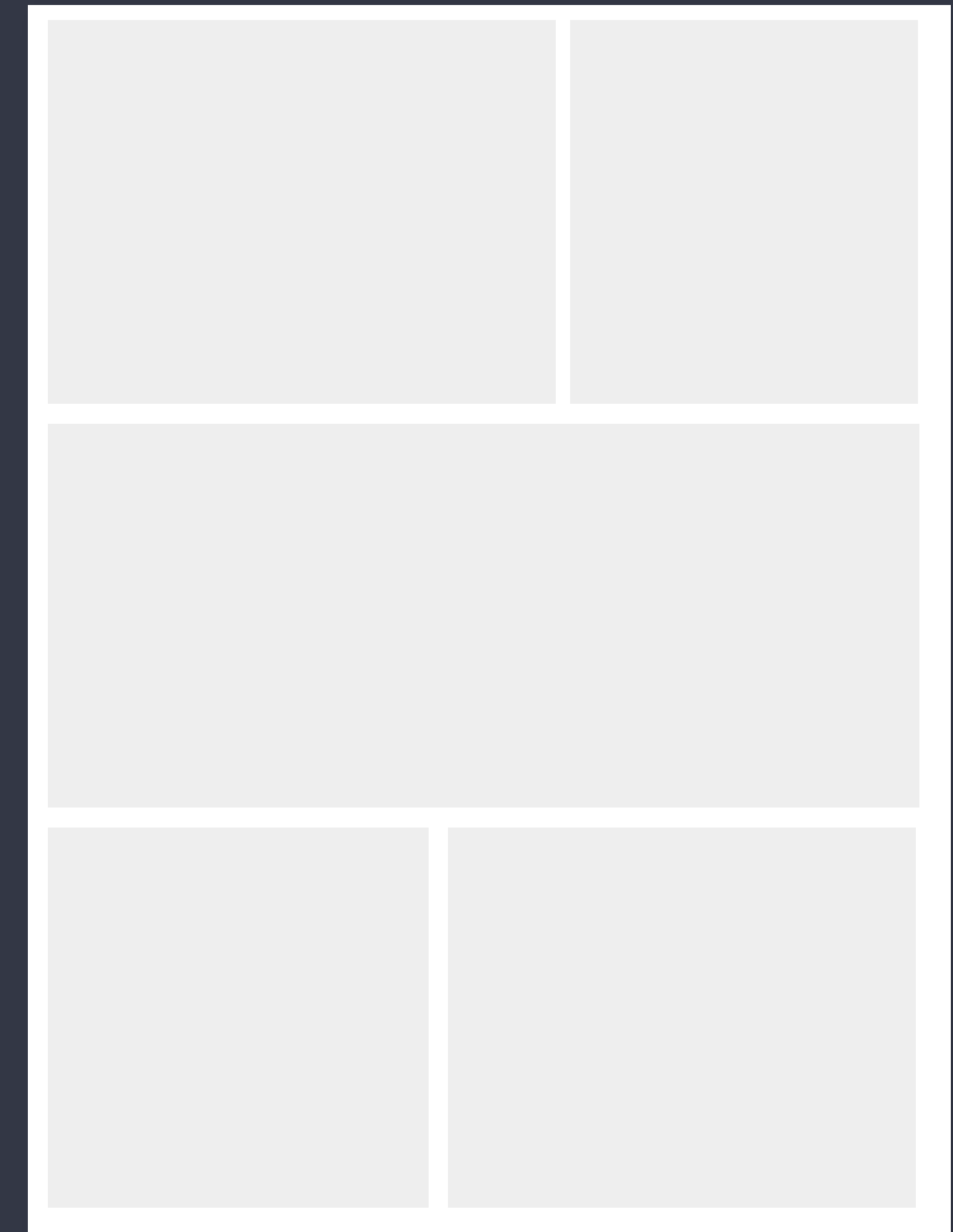
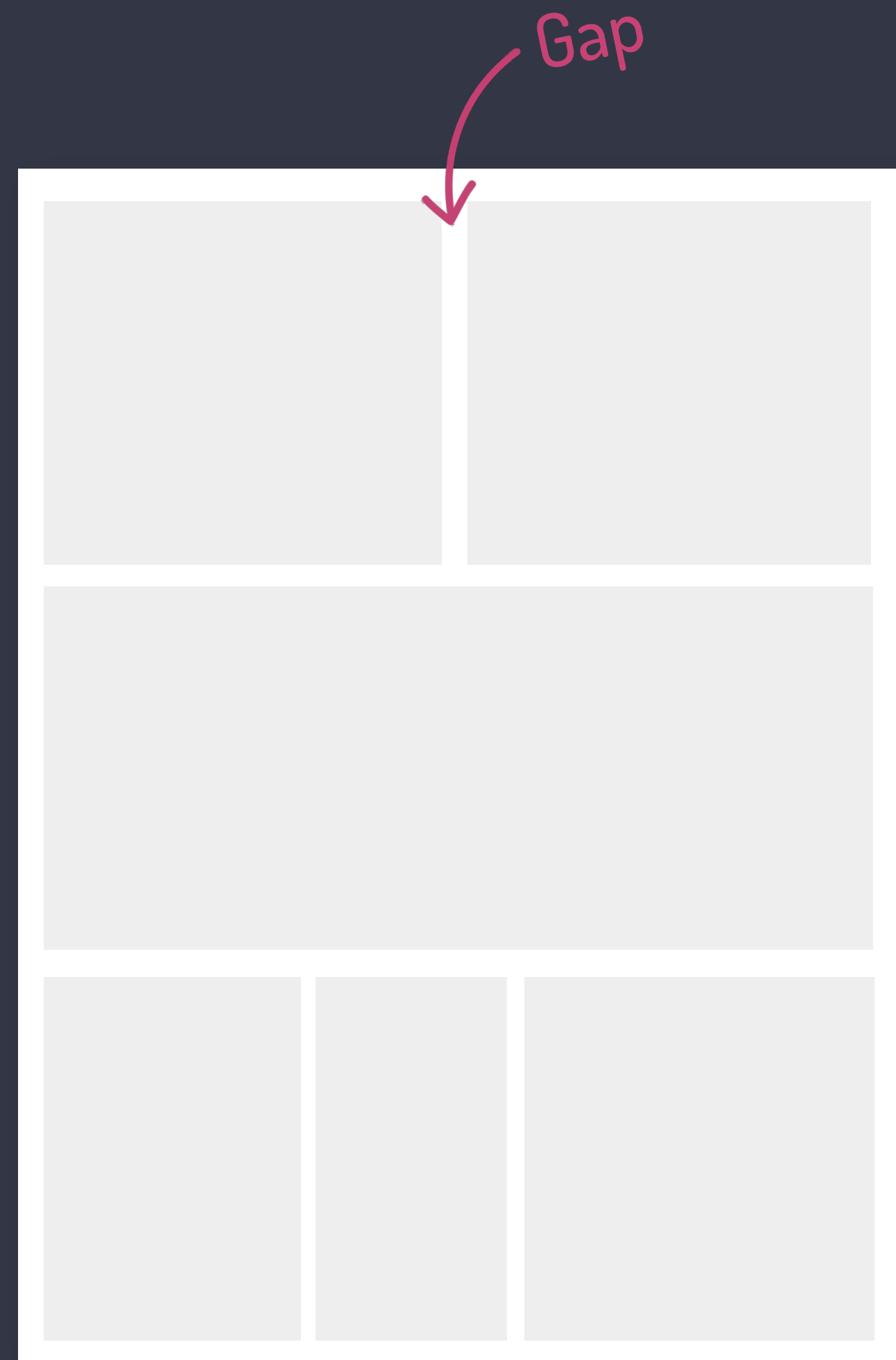
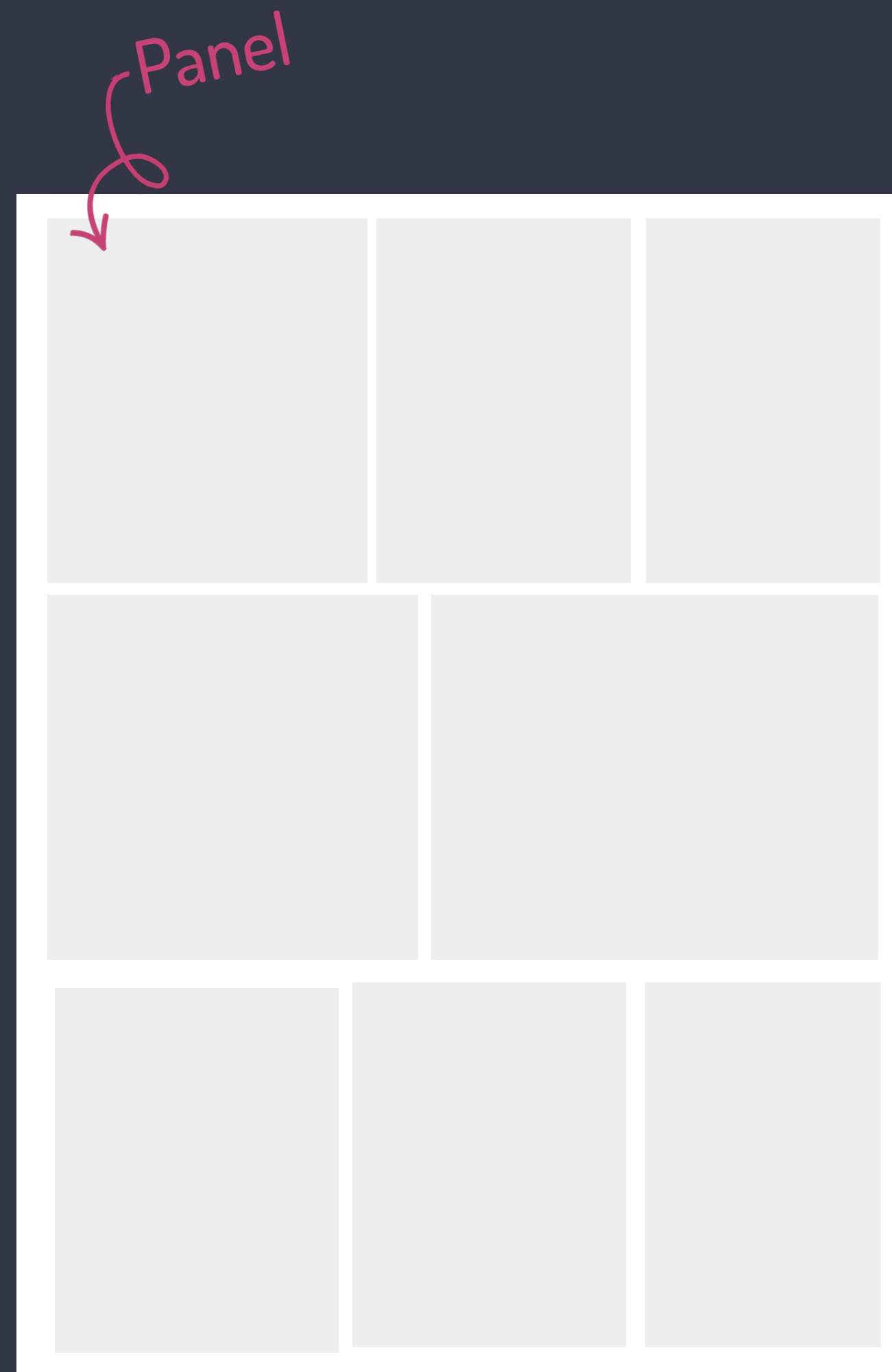
Action Comics #1 – DC Comics

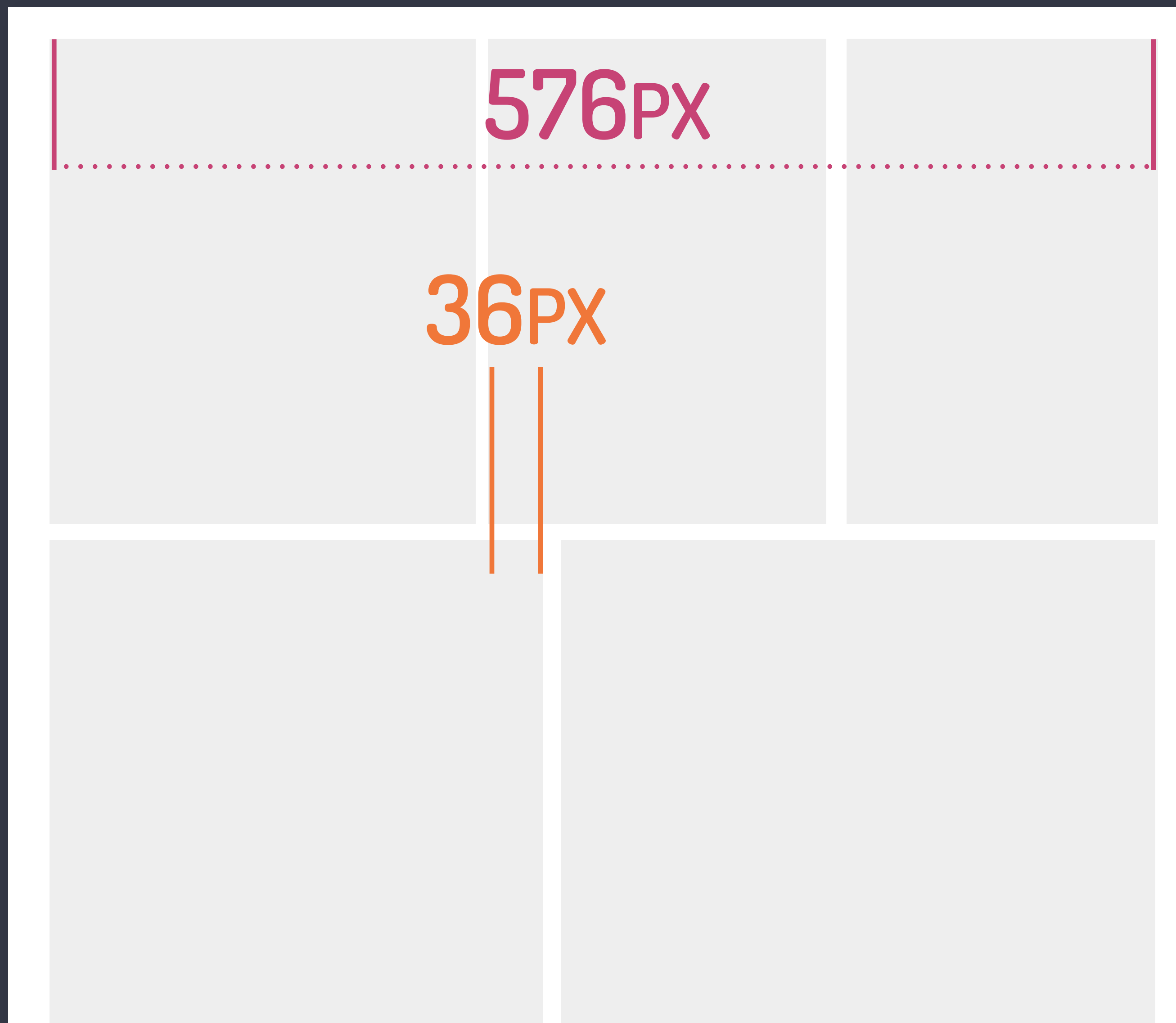




Action Comics #1 - DC Comics

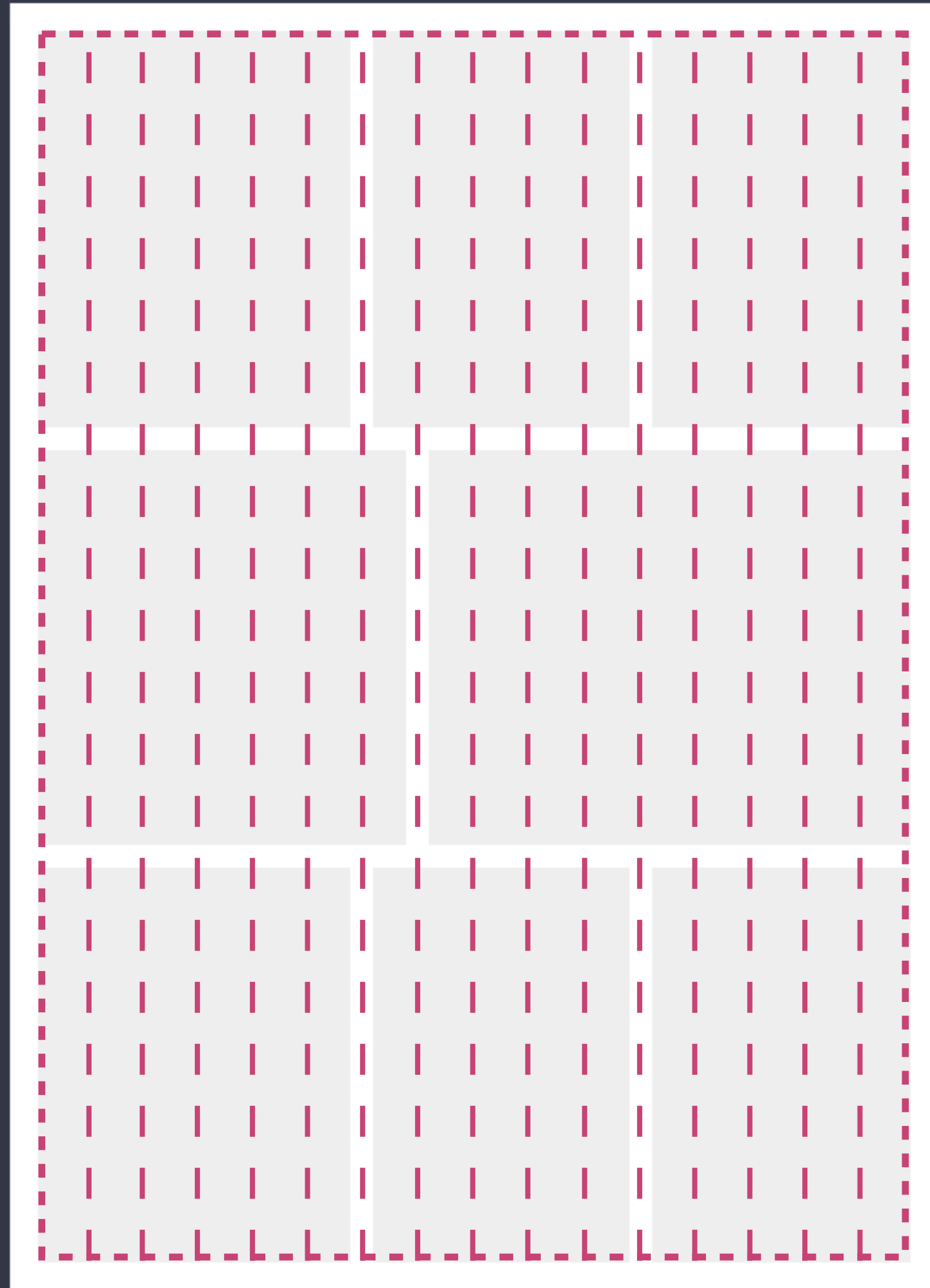






$$\begin{array}{r} 576 \\ \div \\ 36 \\ = \\ 16 \\ \text{COLUMNS} \end{array}$$

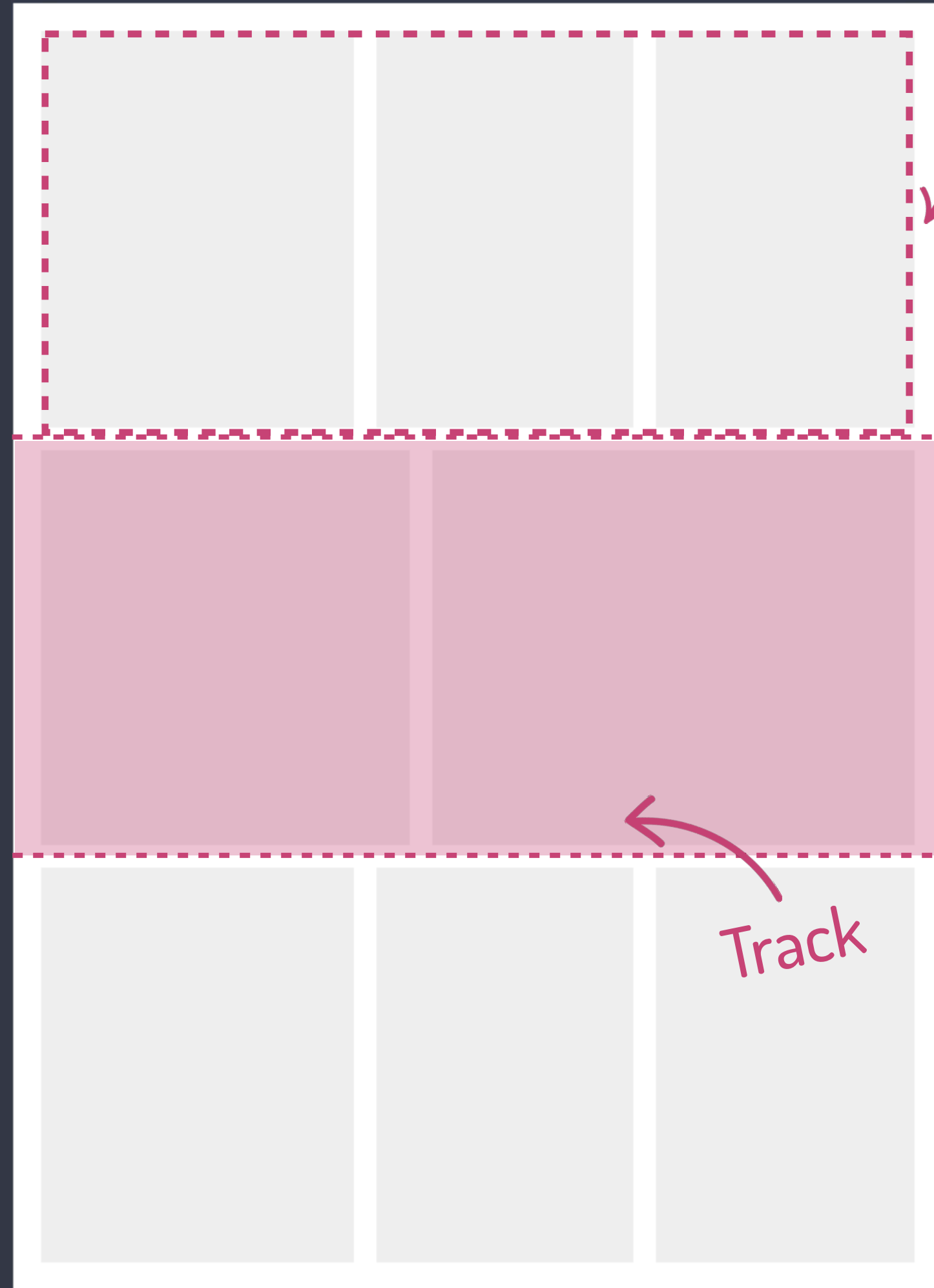
**.comic**



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

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

**.comic**

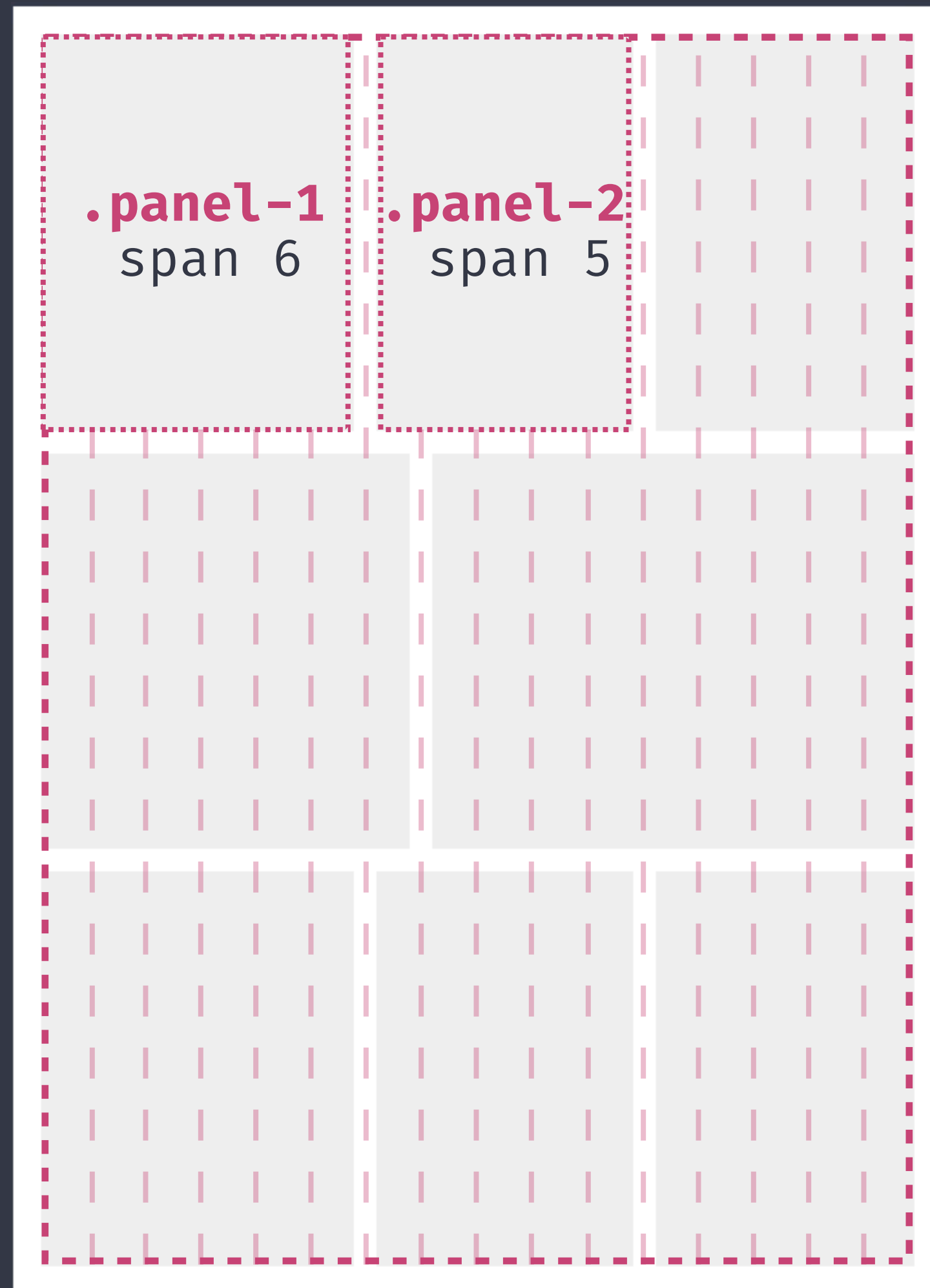


Defined Grid

```
.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;  
}
```

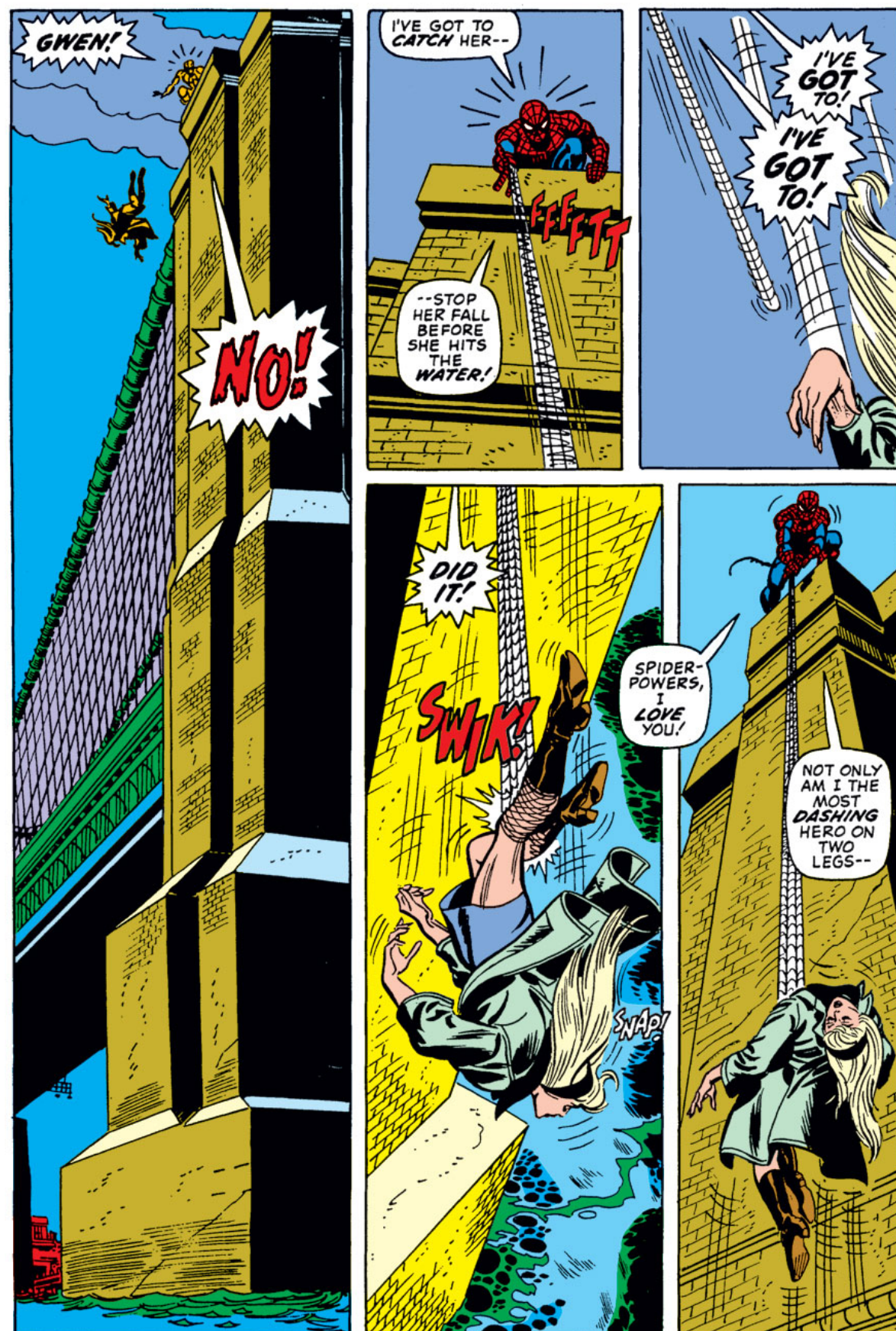
<https://codepen.io/antonjb/pen/vMPgBJ>



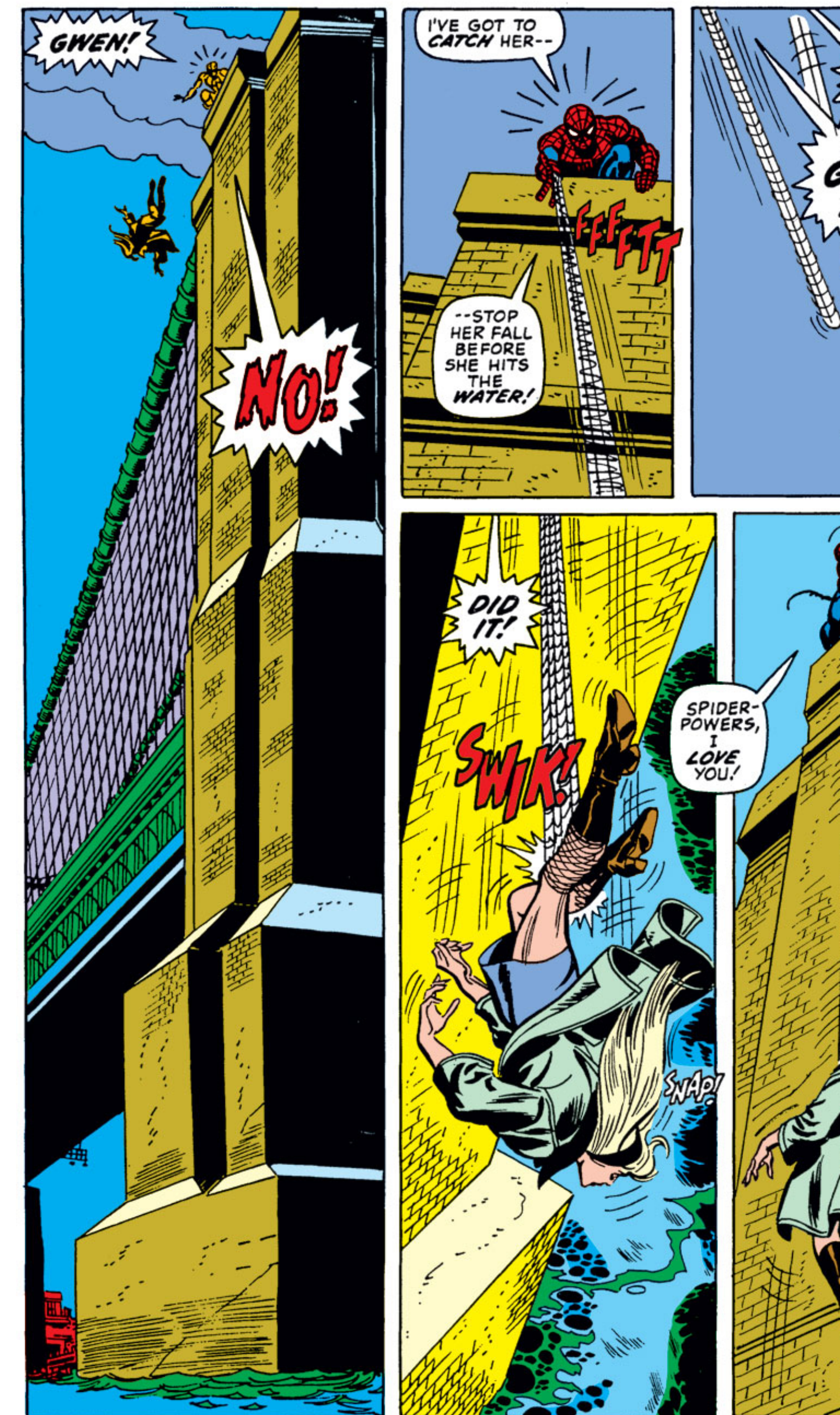


Spider-man #121 – Marvel Comics

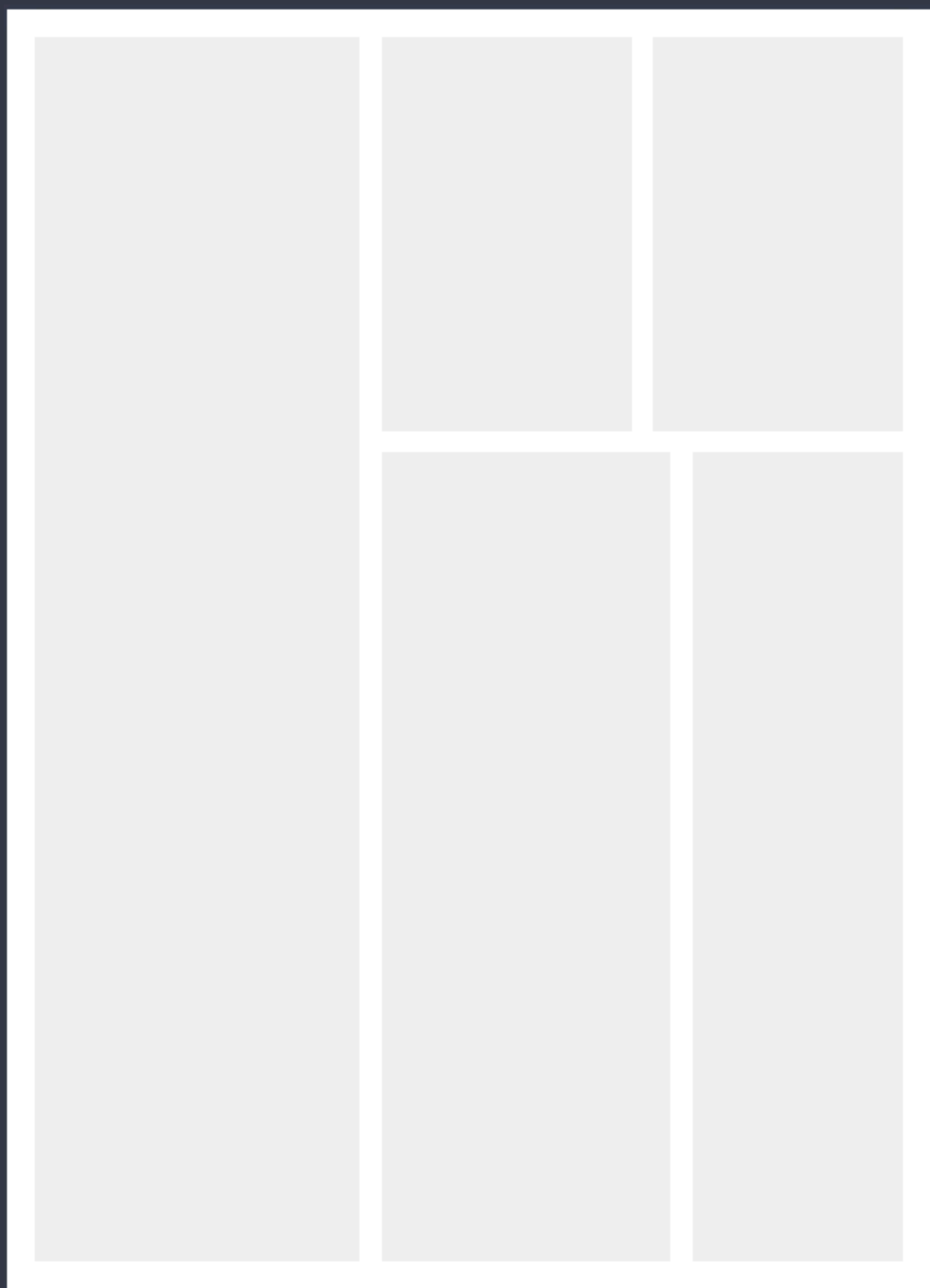




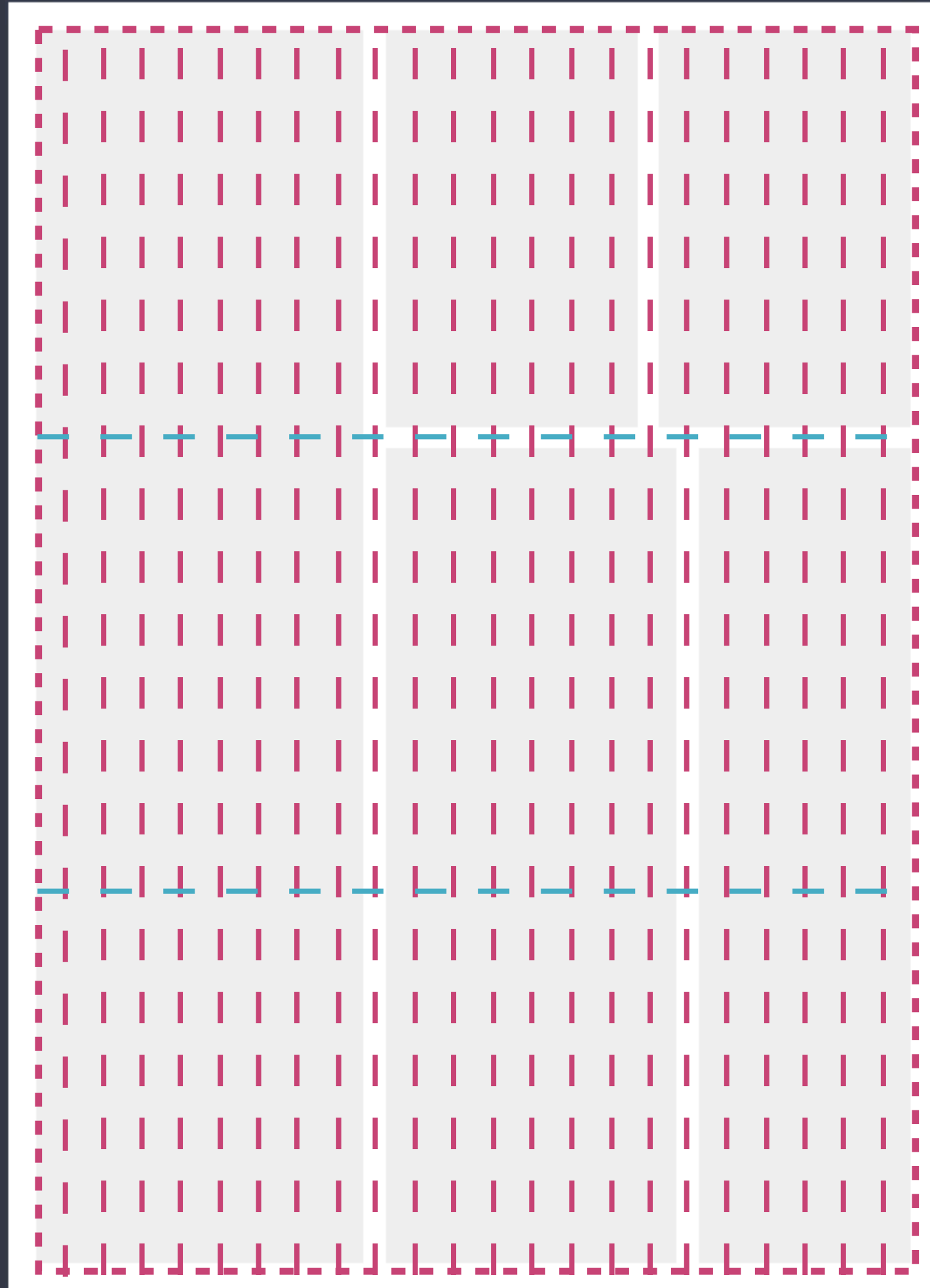
Spider-man #121 - Marvel Comics







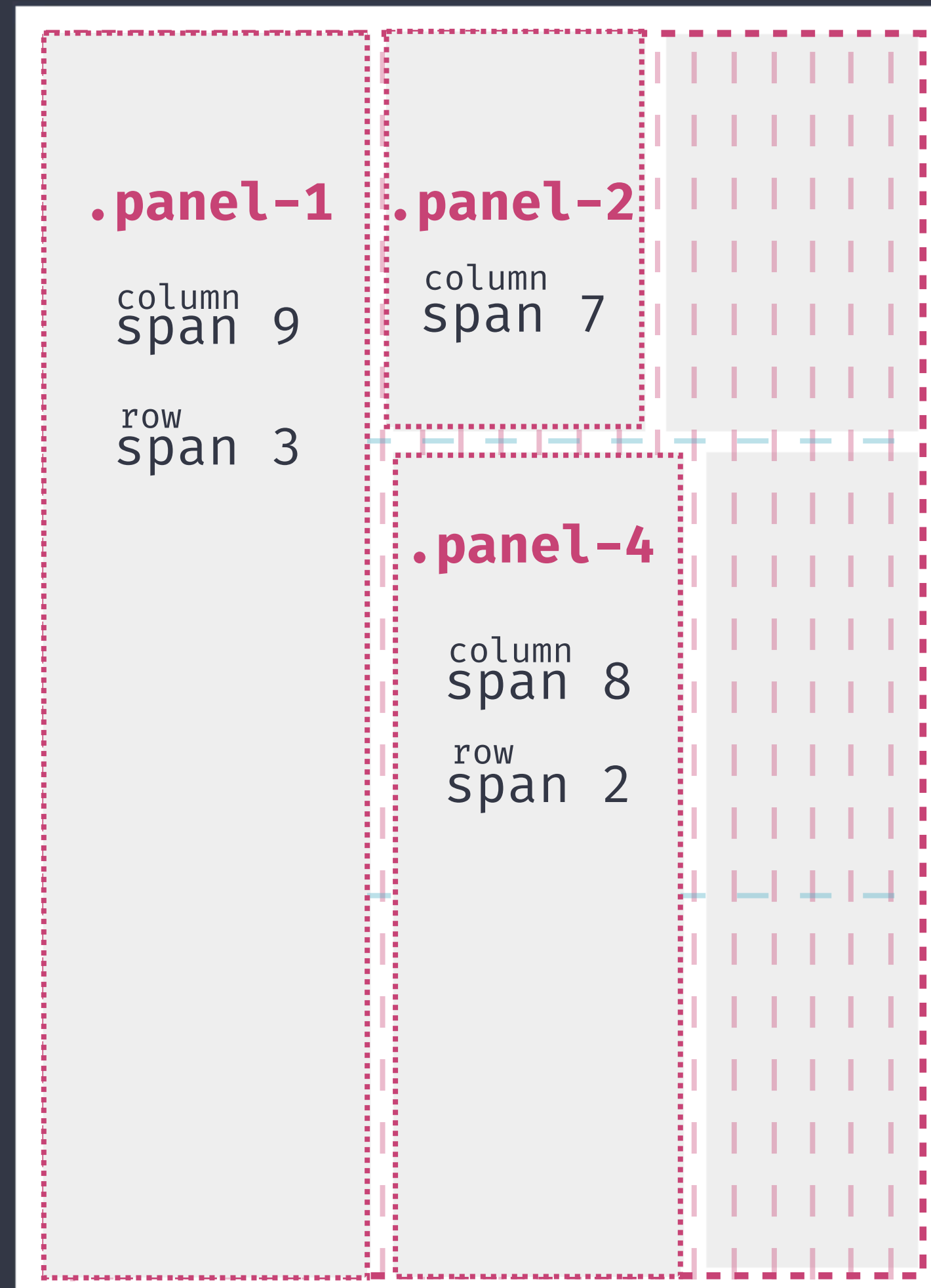
**.comic**



```
.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;  
}
```

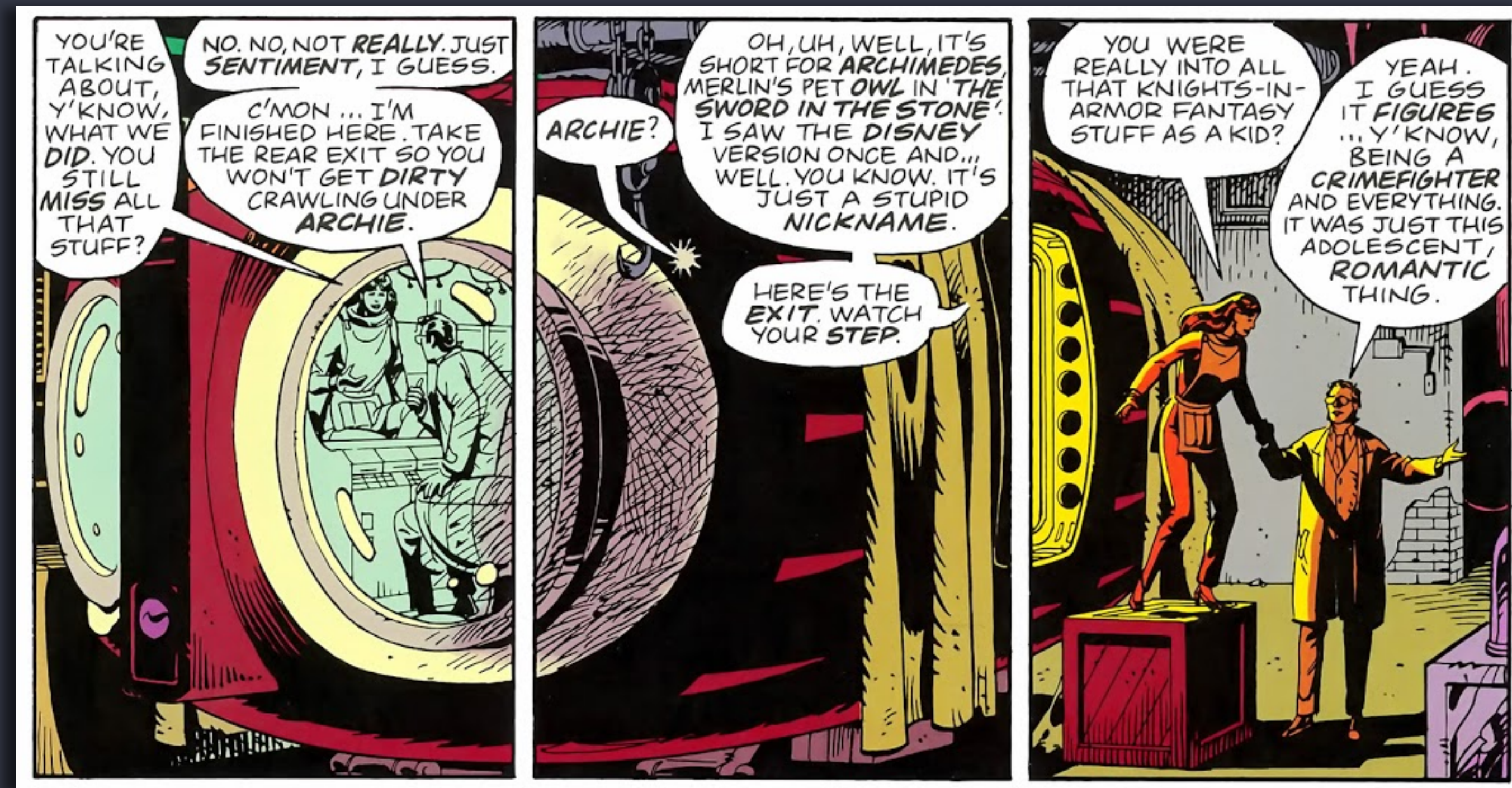
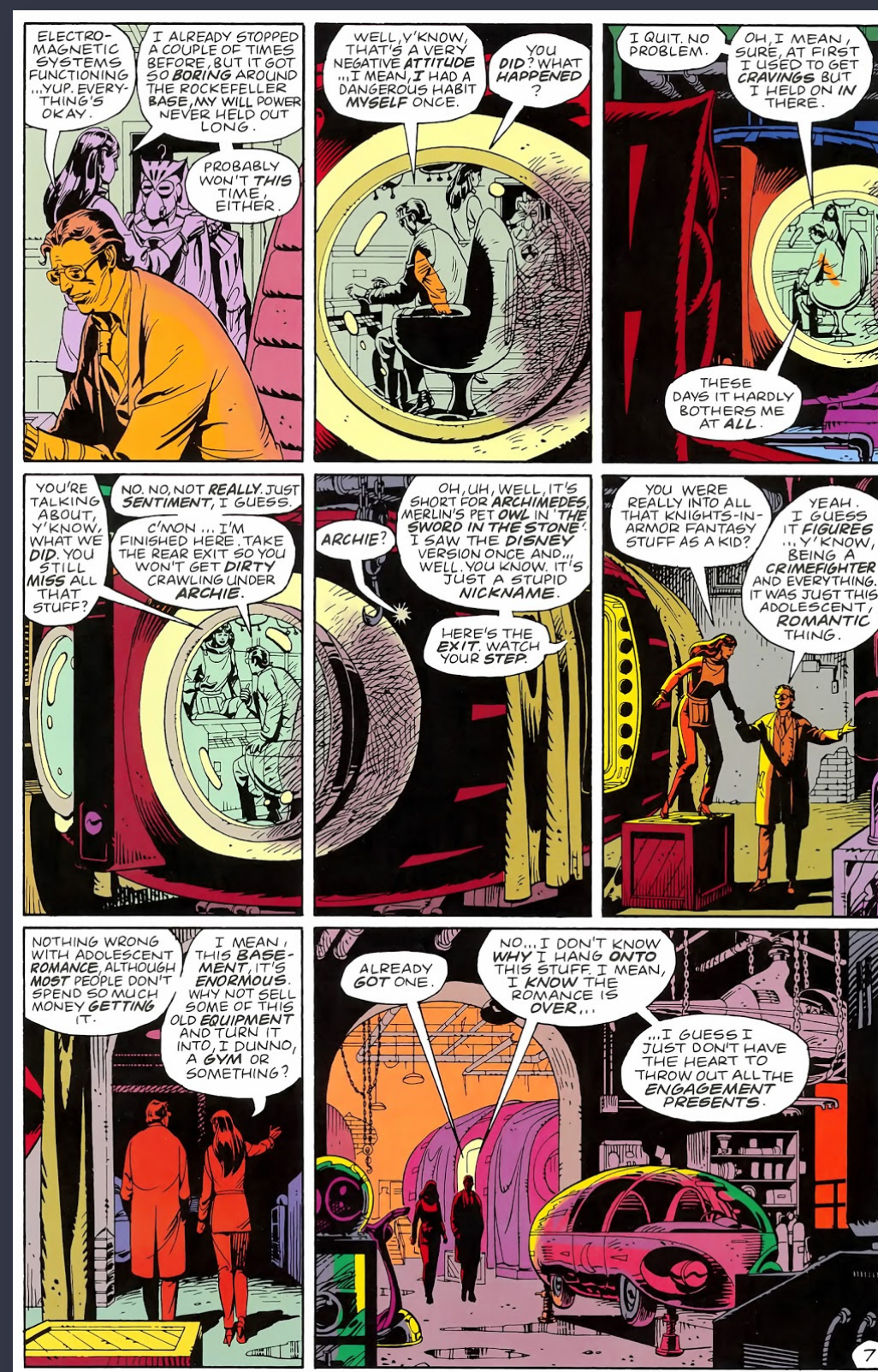
```
.panel-4 {  
  grid-column: span 8;  
  grid-row: span 2;  
}
```

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



Watchmen #7 - DC Comics

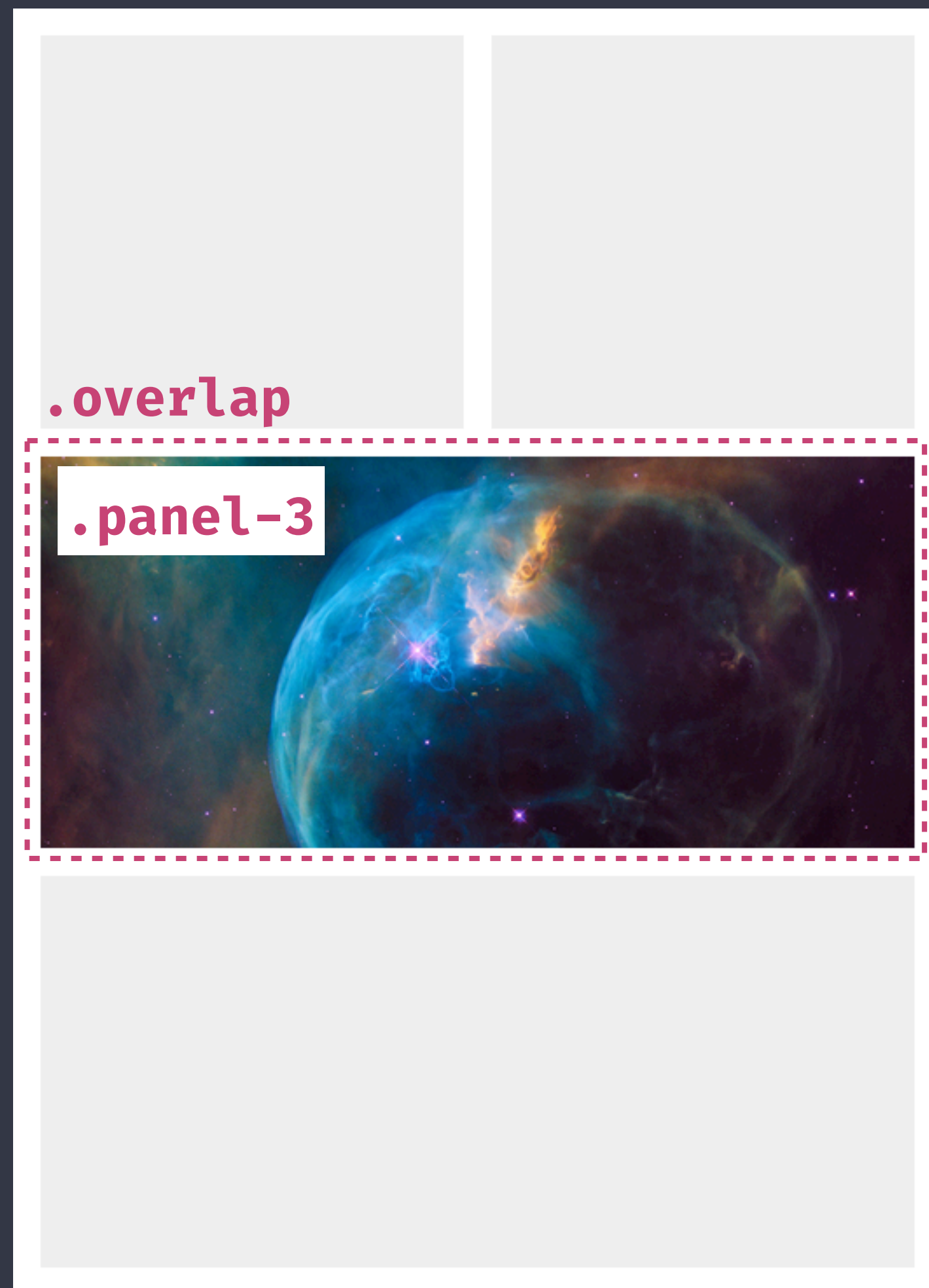




Watchmen #7 - DC Comics



**.comic**



```
.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**

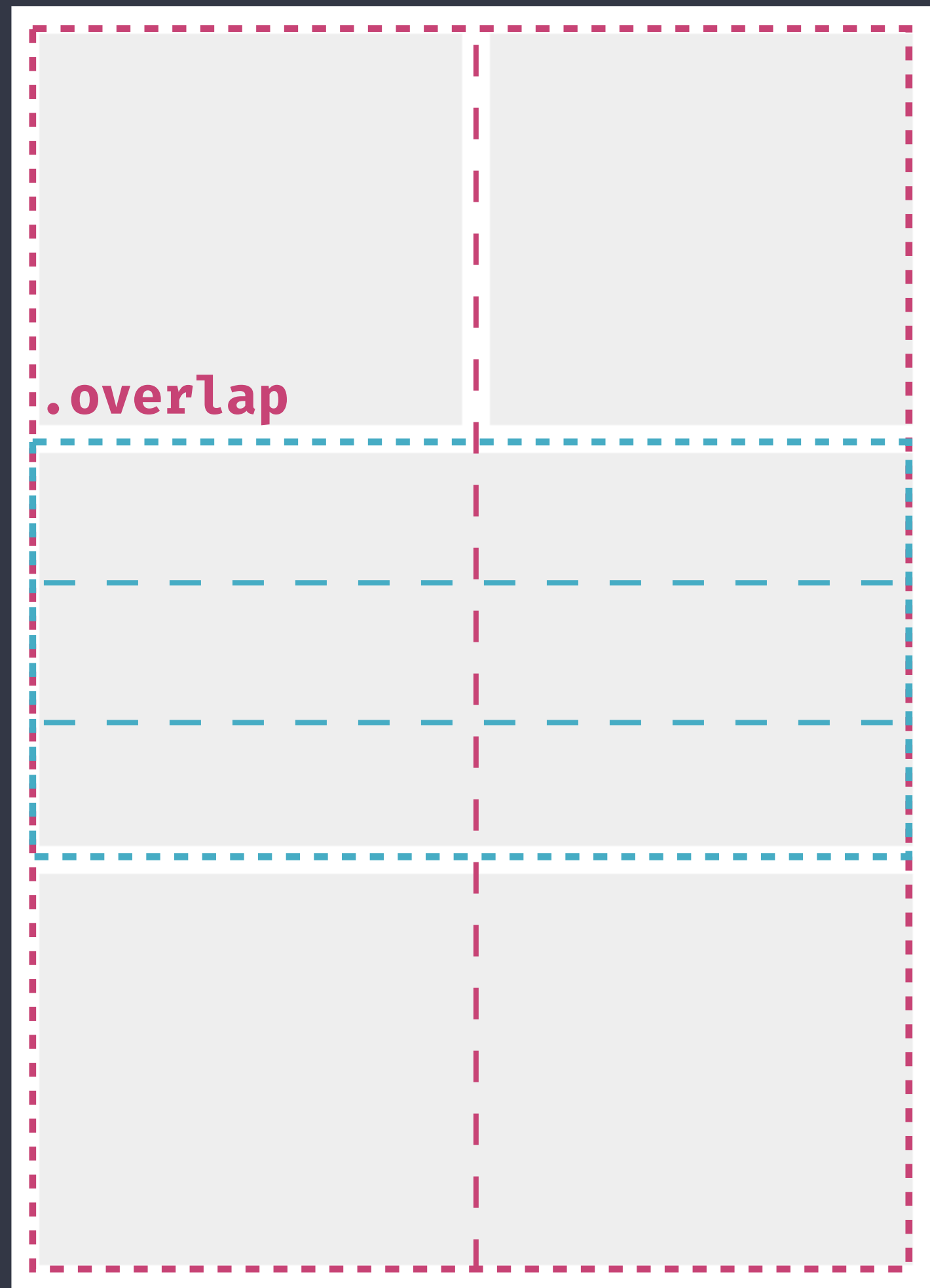


```
.comic {  
  grid-template-columns: repeat(2, auto);  
}  
  
.overlap {  
  display: grid;  
  grid-column: span 2;  
  grid-template-columns: subgrid;  
}
```

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

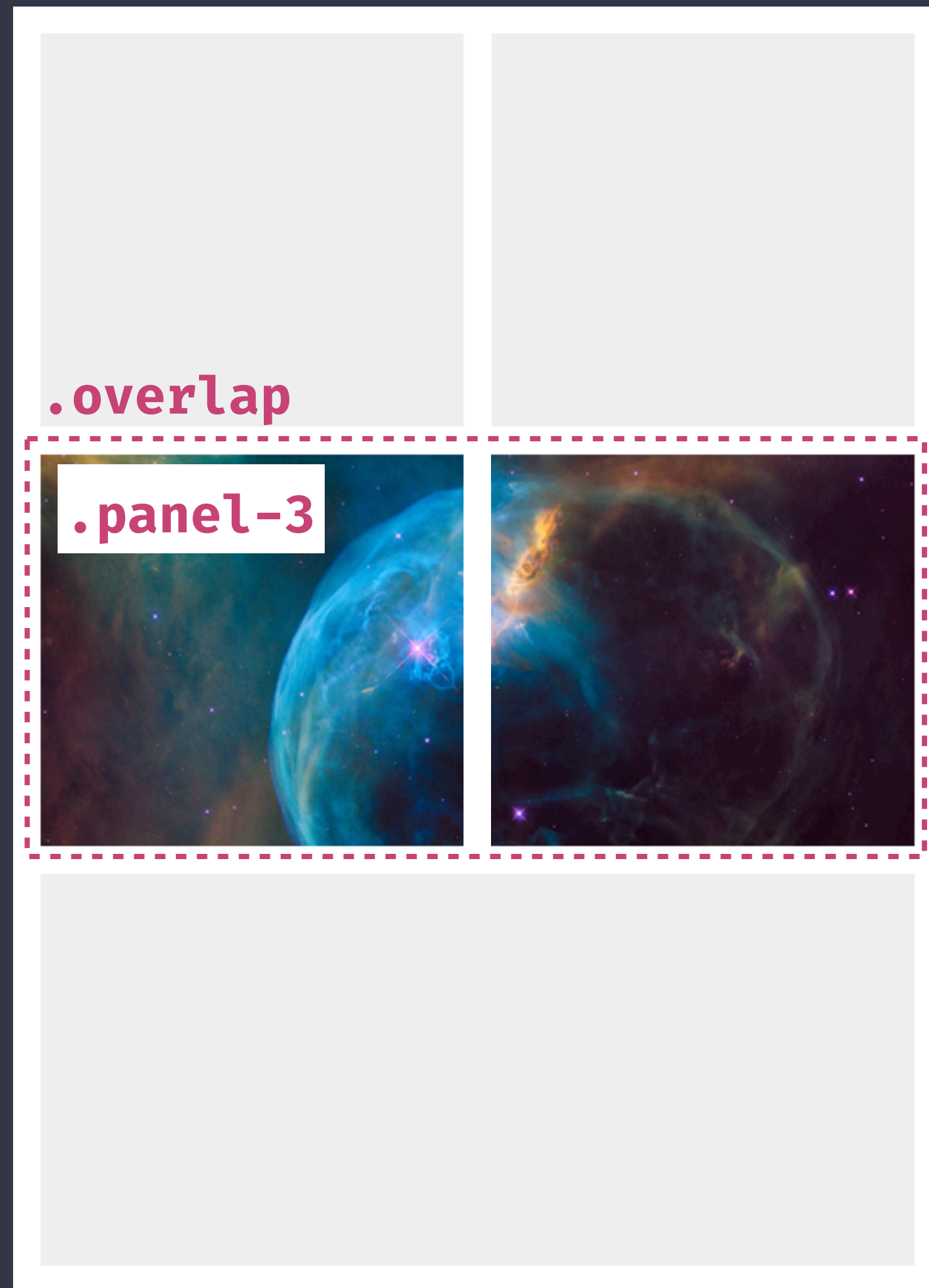


**.comic**



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

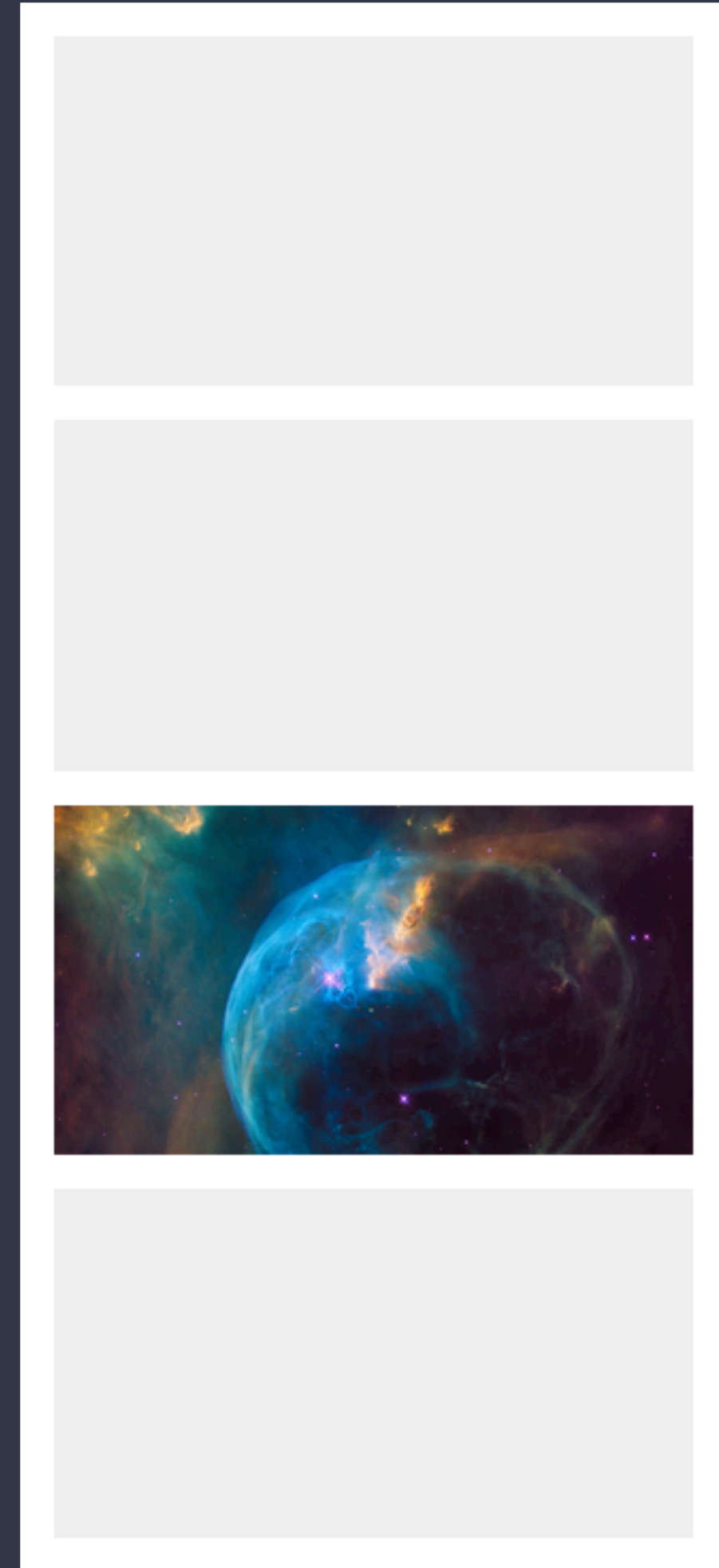
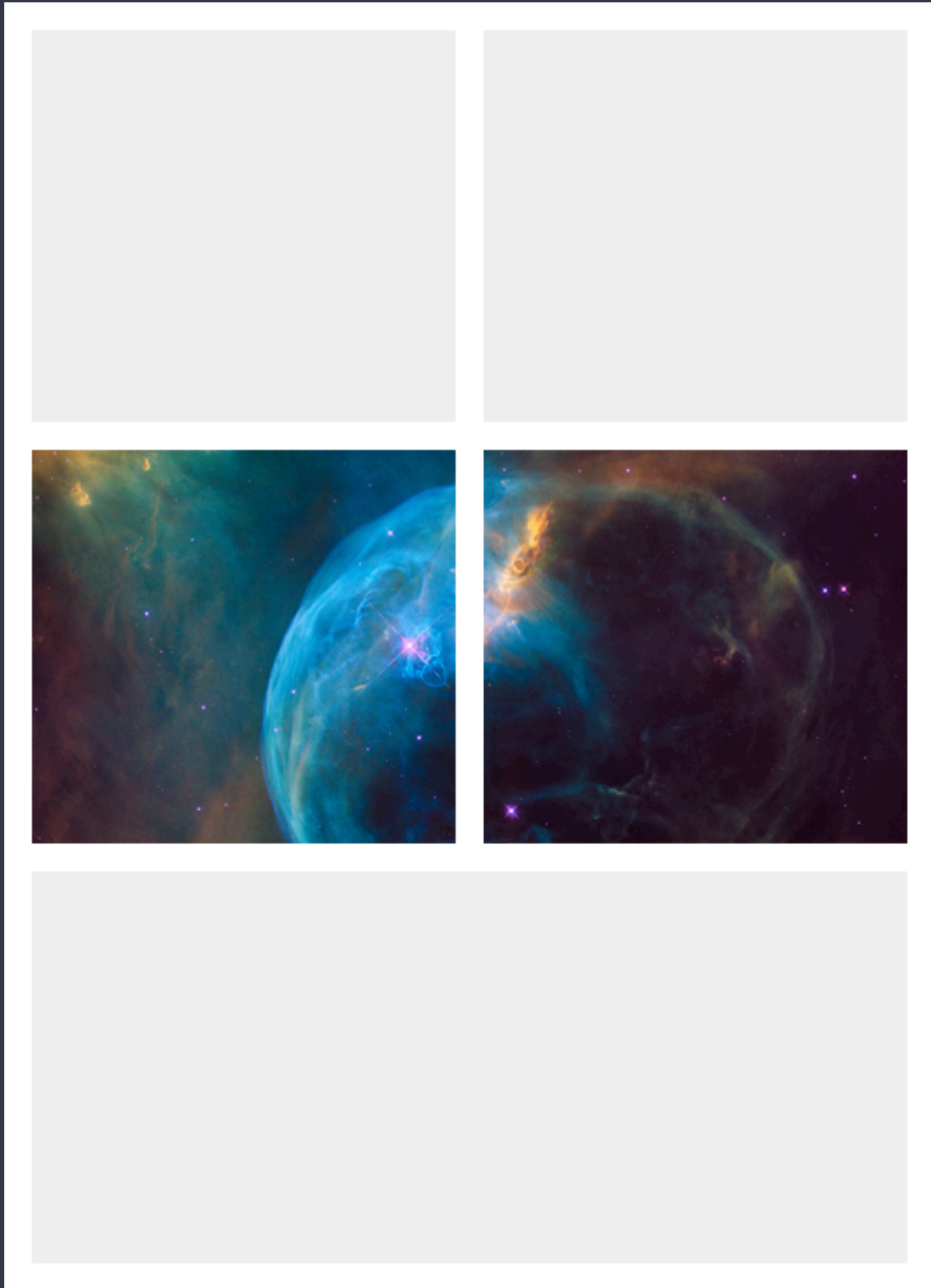
**.comic**

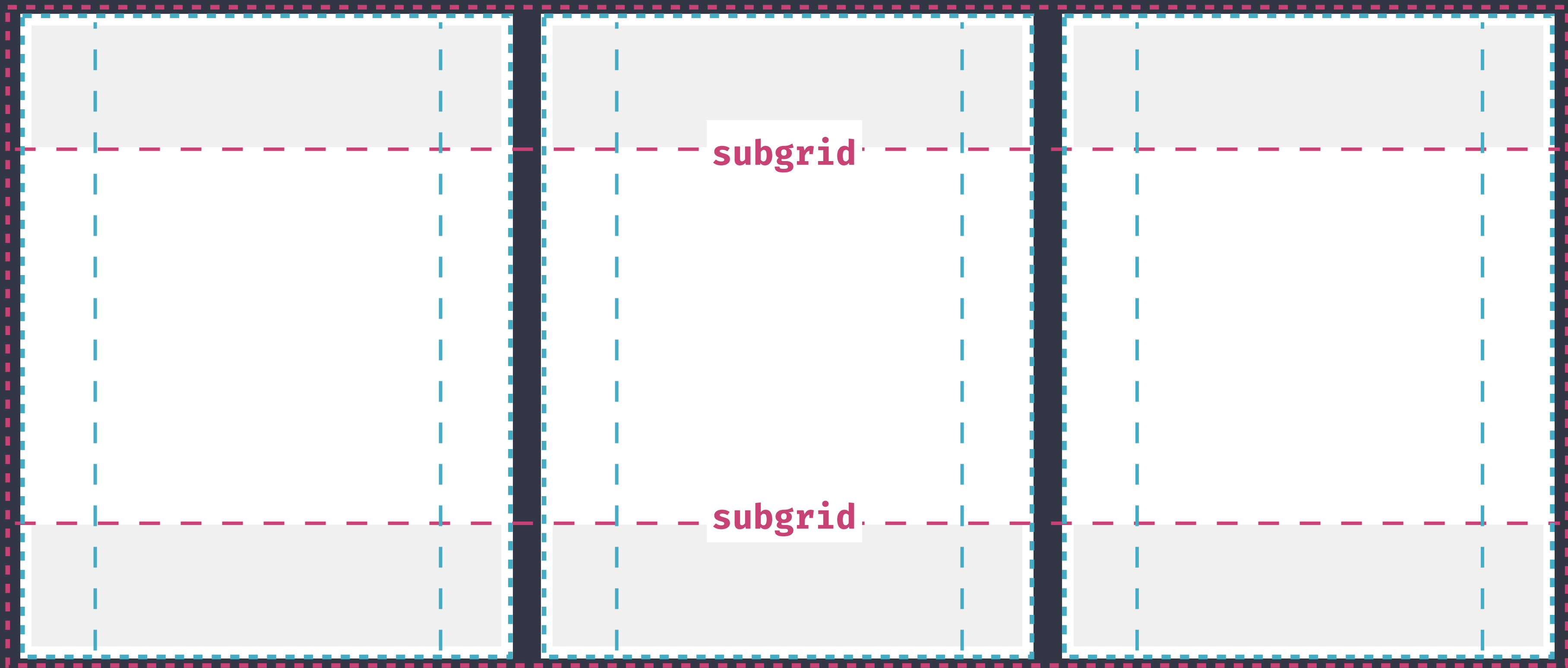


```
.overlap {  
  display: grid;  
  grid-column: span 2;  
  grid-template-columns: subgrid;  
}
```

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


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







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 Travaglini 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

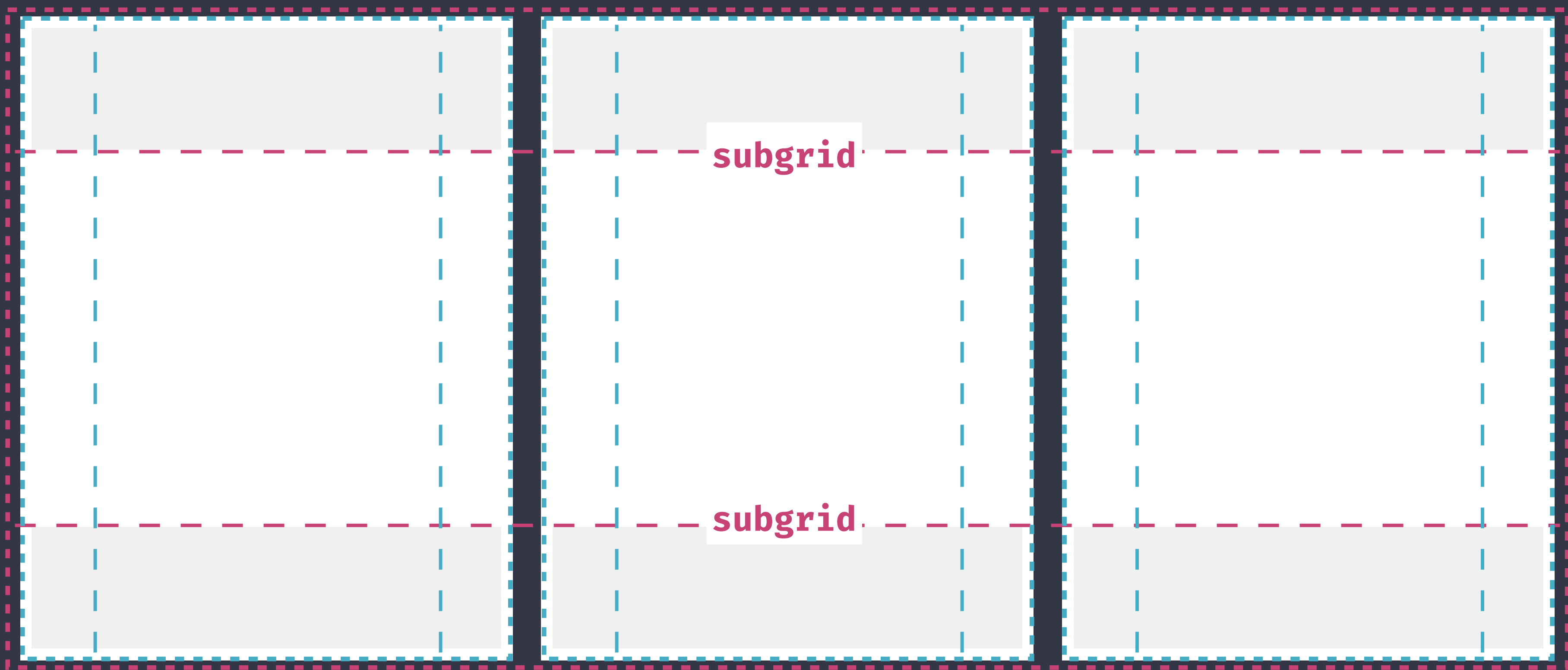
Shaw thing? Caretaker coaches' headstart on top jobs

Lowry fumes after clash with Warriors fan

YouTube sessions key to bringing down Aussie Paro

Shock as stars dumped for Netball World Cup

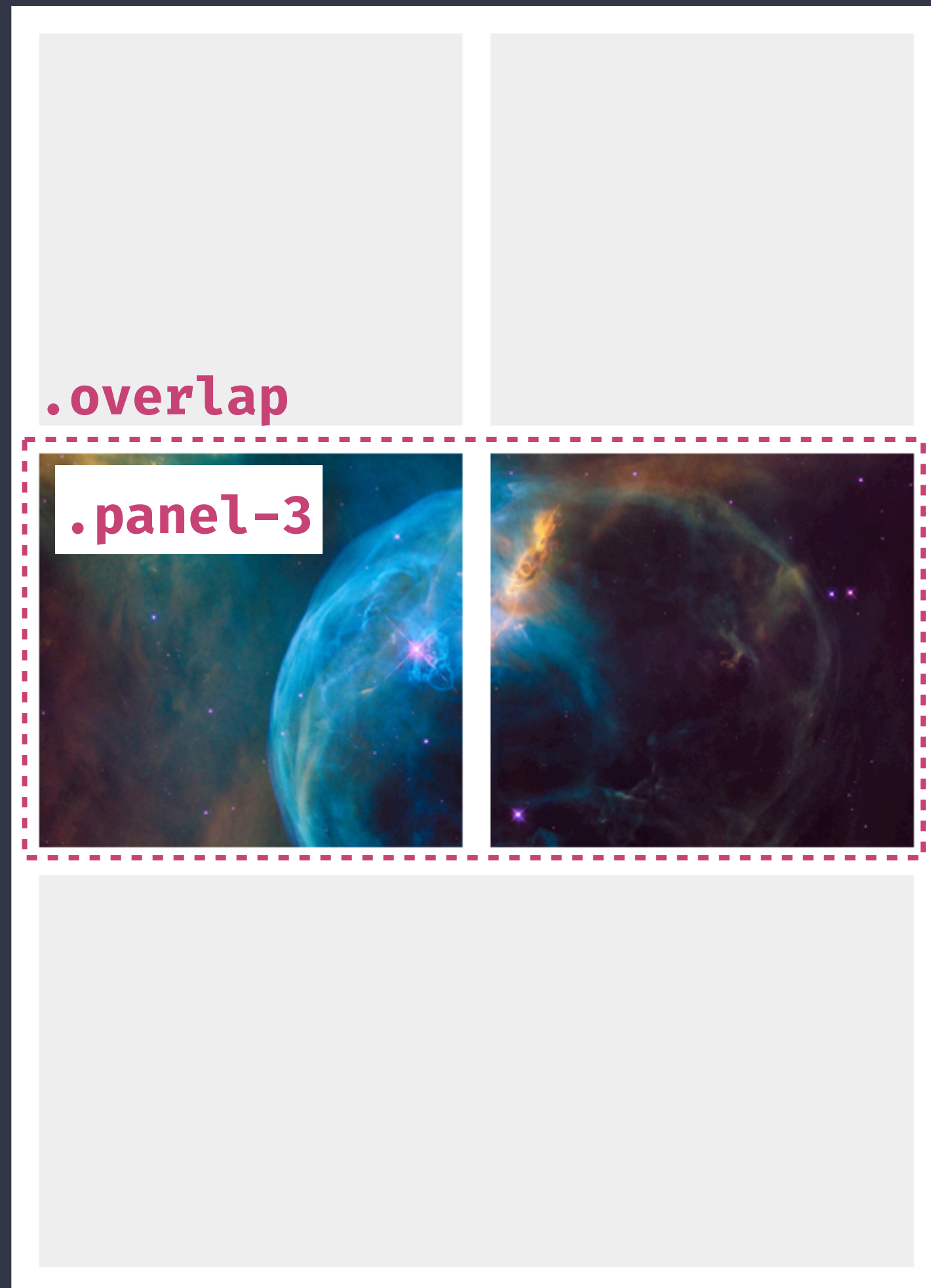
@antonjb



# 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



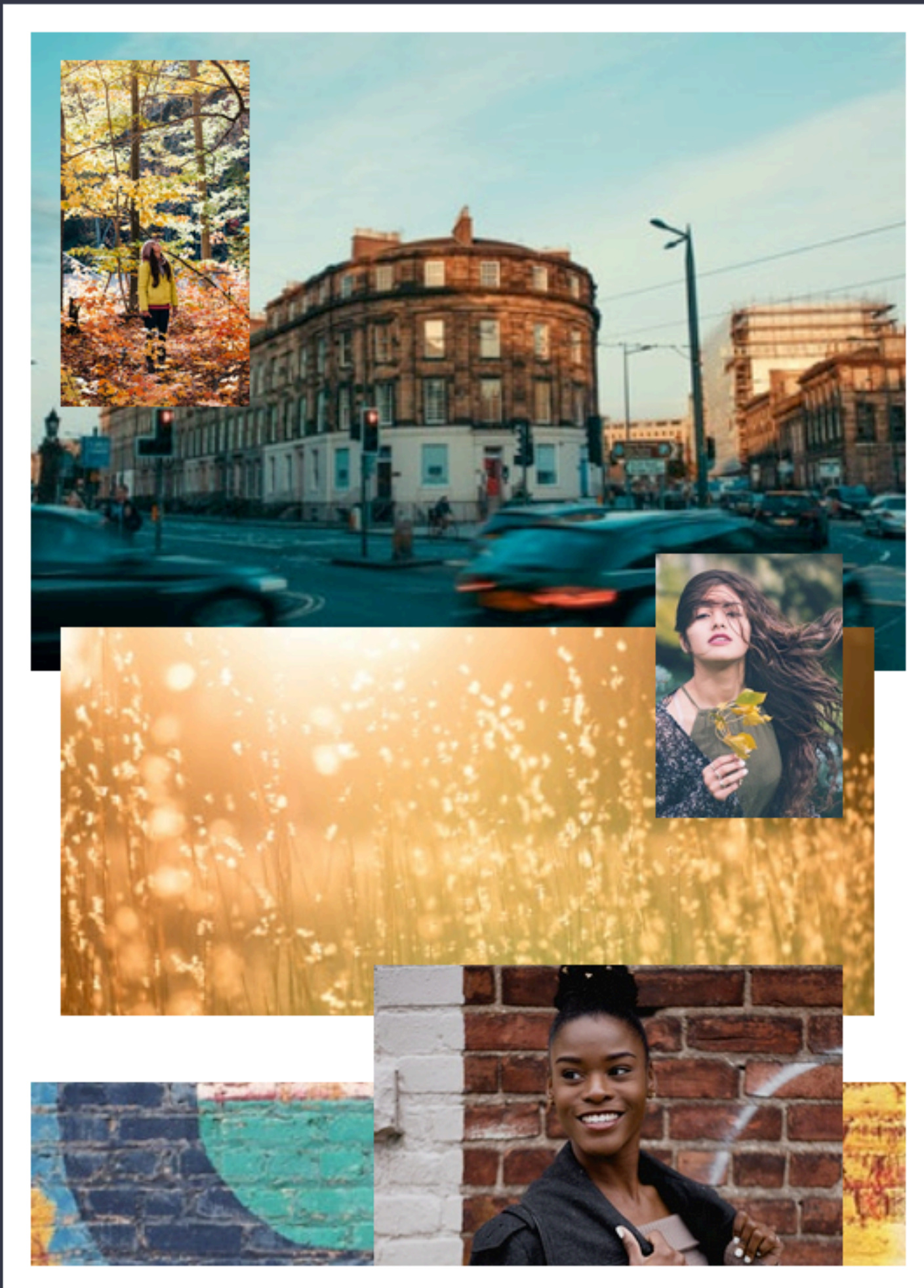


Spider-man 2018 #9 - Marvel Comics





.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



$$\begin{array}{r} 985 \\ \div 9 \\ \hline 109 \end{array}$$

985PX



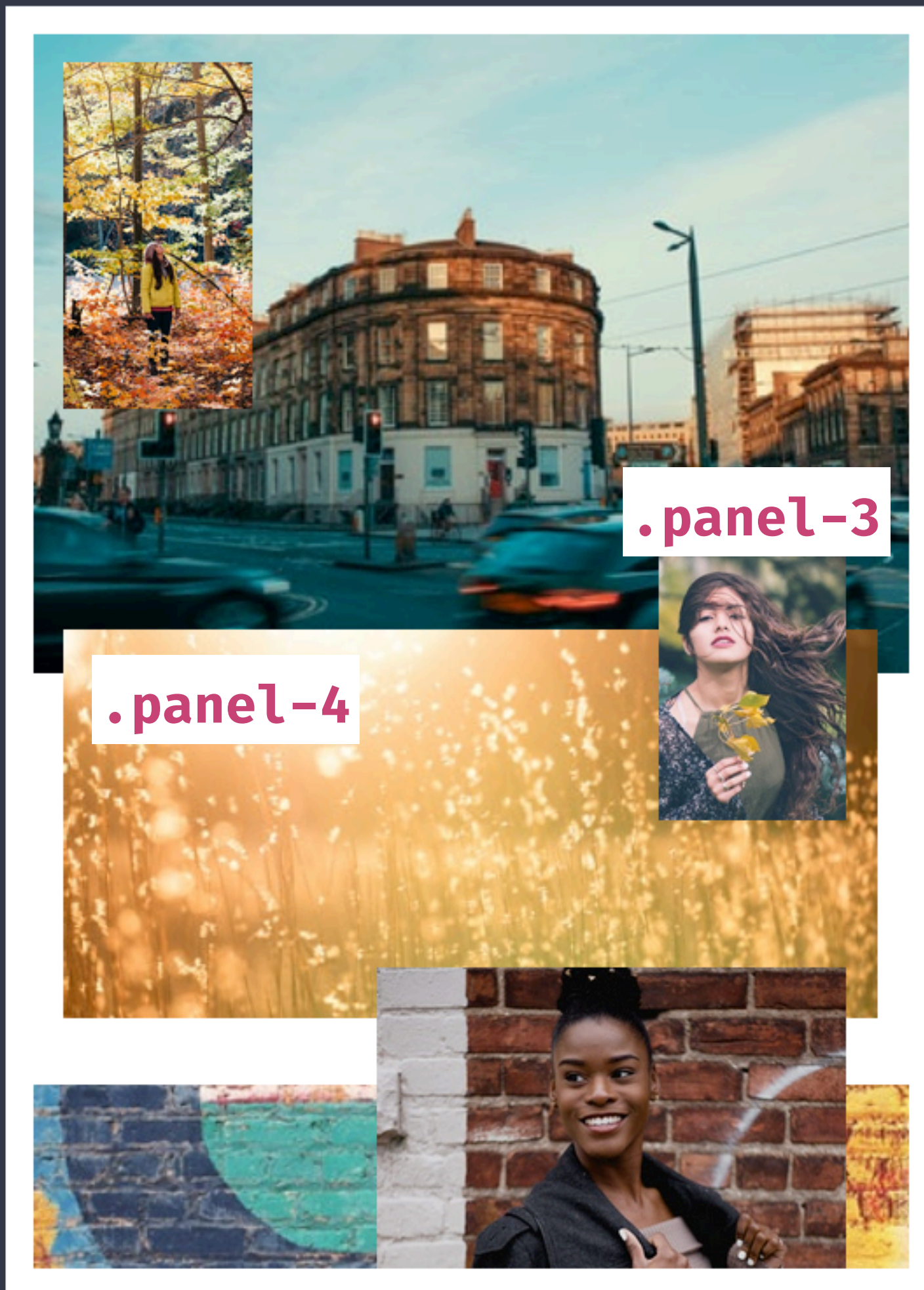
291PX



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

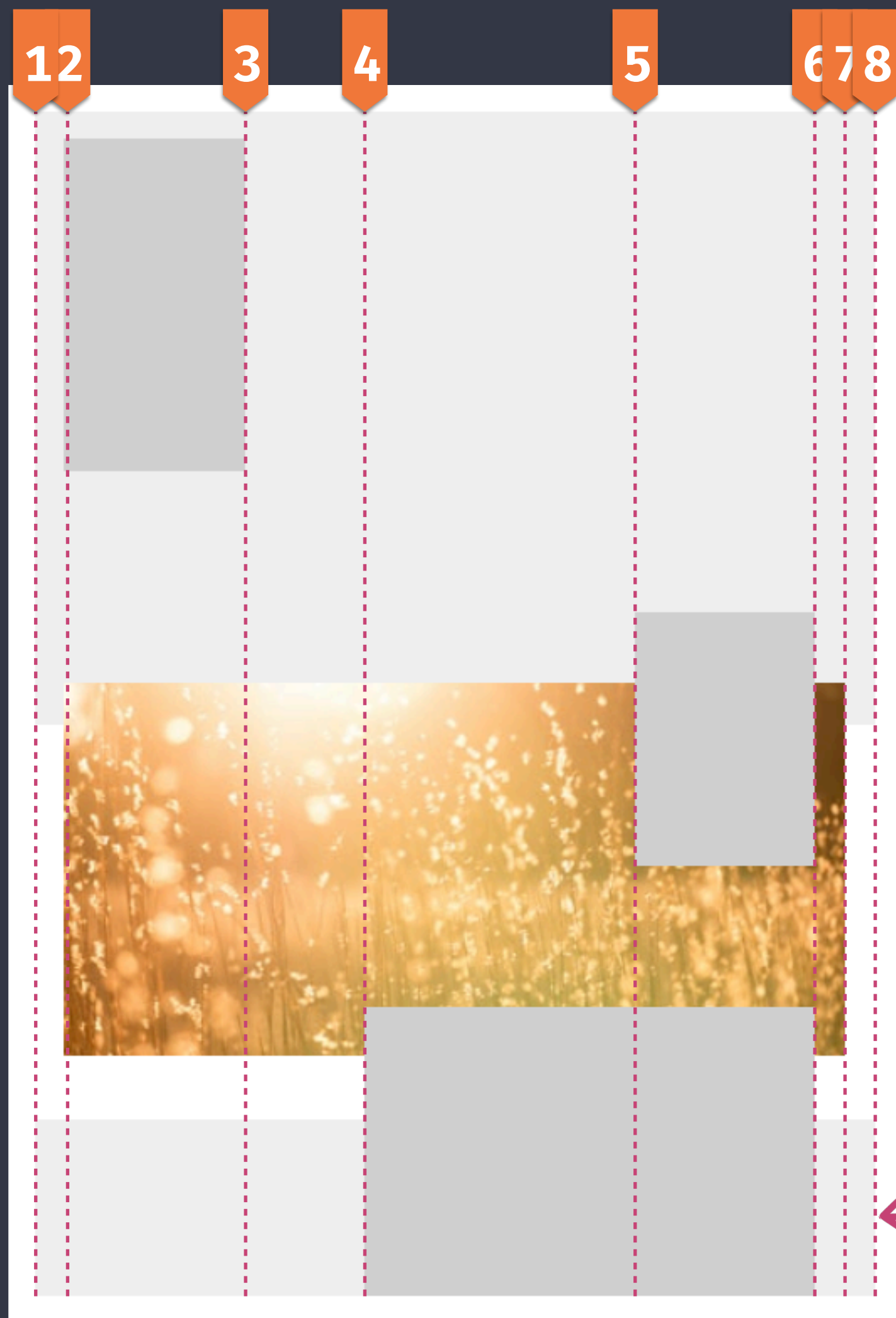


## .comic



```
.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;  
}
```

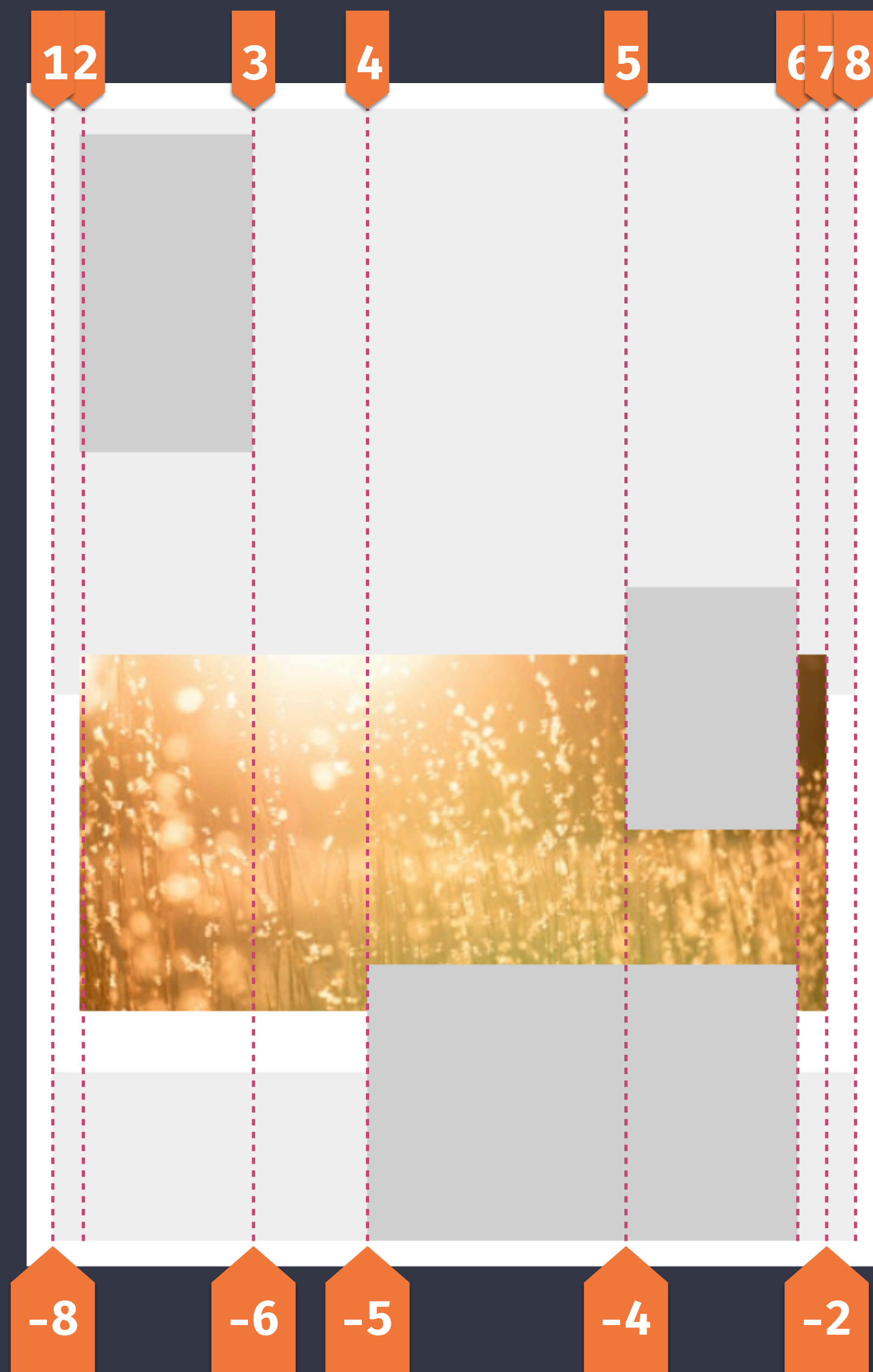
<https://codepen.io/antonjb/pen/yrmQez>



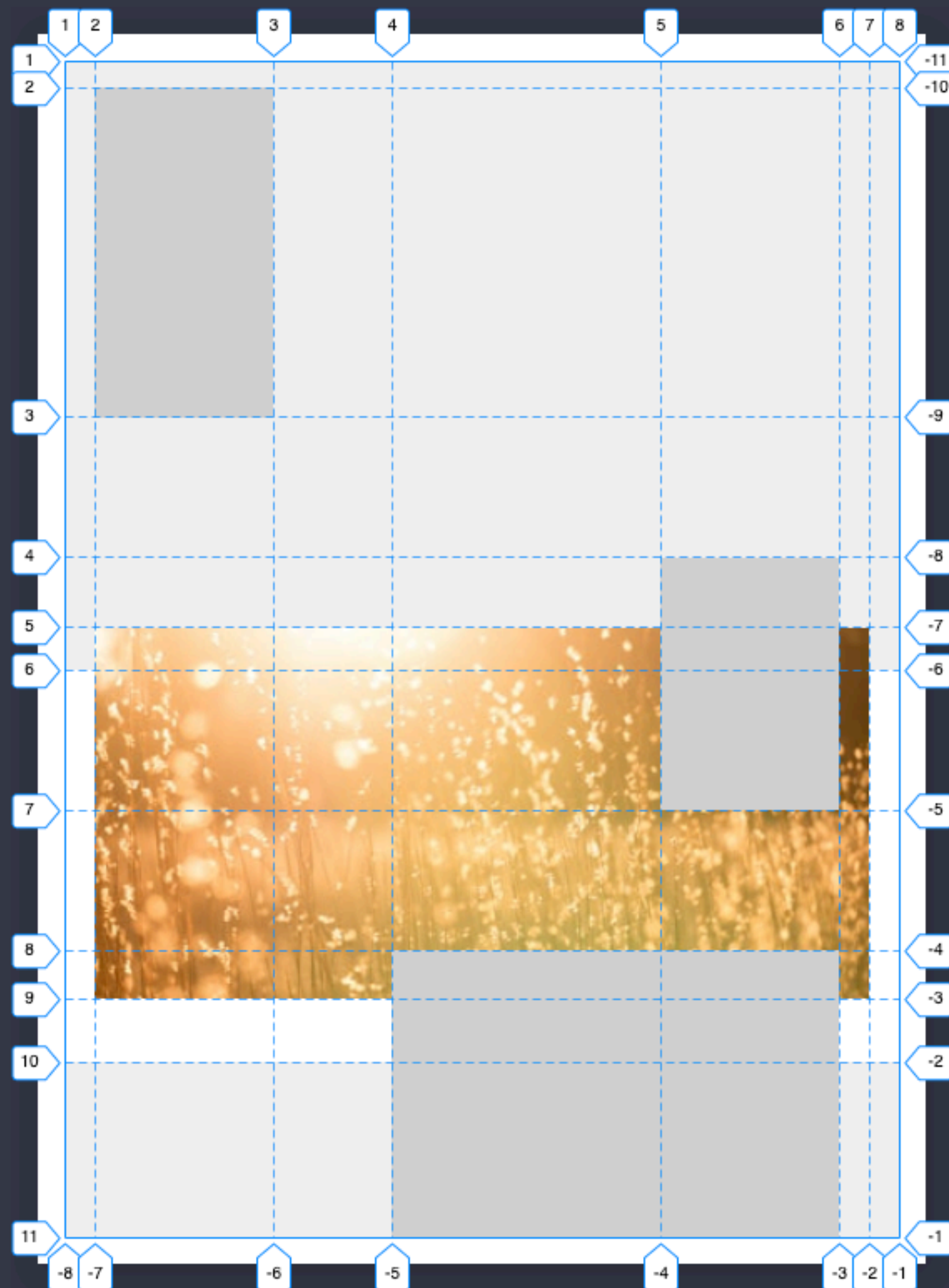
```
.panel-4 {  
  grid-column: 2 / -2;  
}
```

Grid Line





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

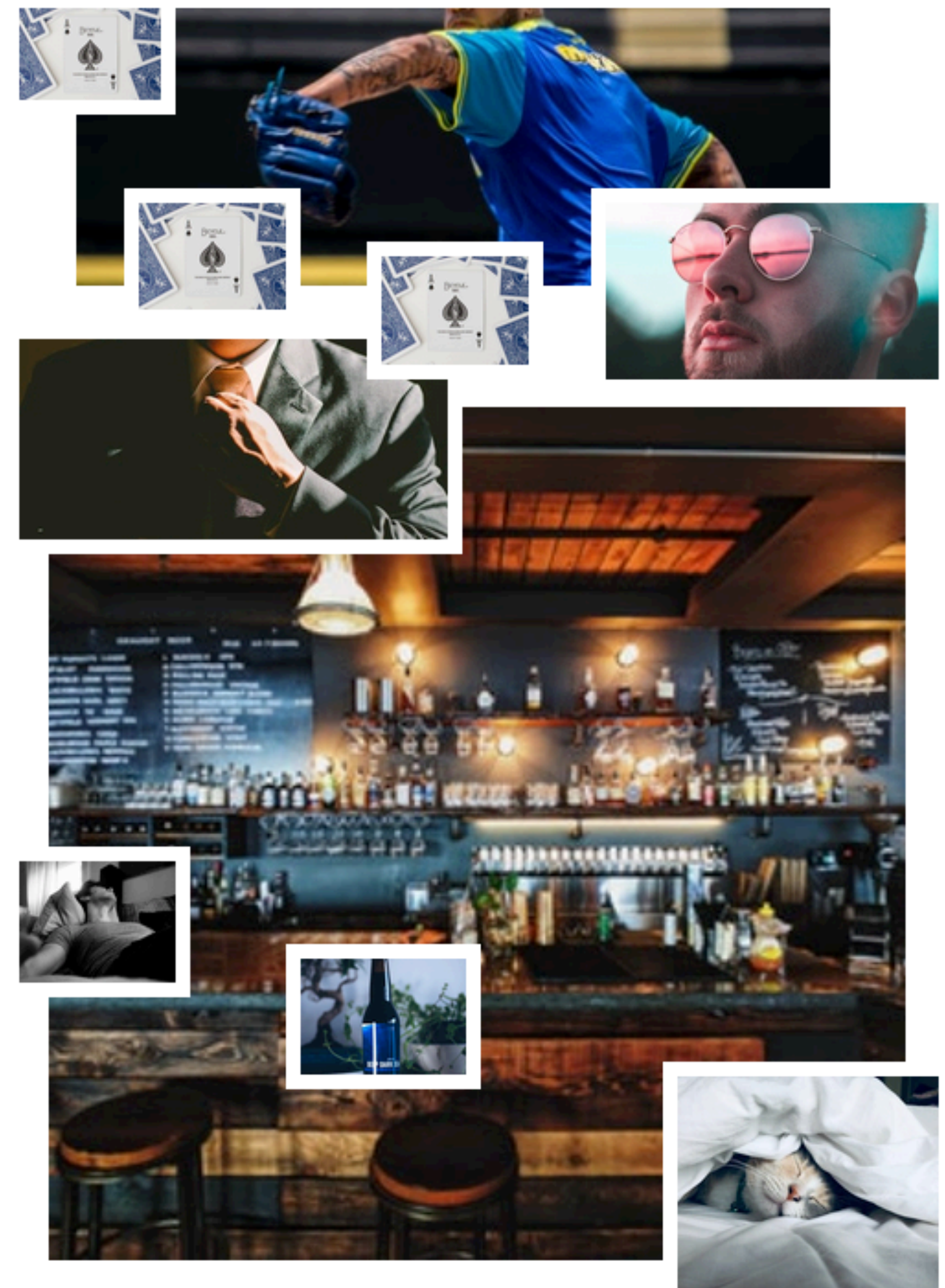


```
.panel-4 {  
  grid-column: 2 / -2;  
}
```



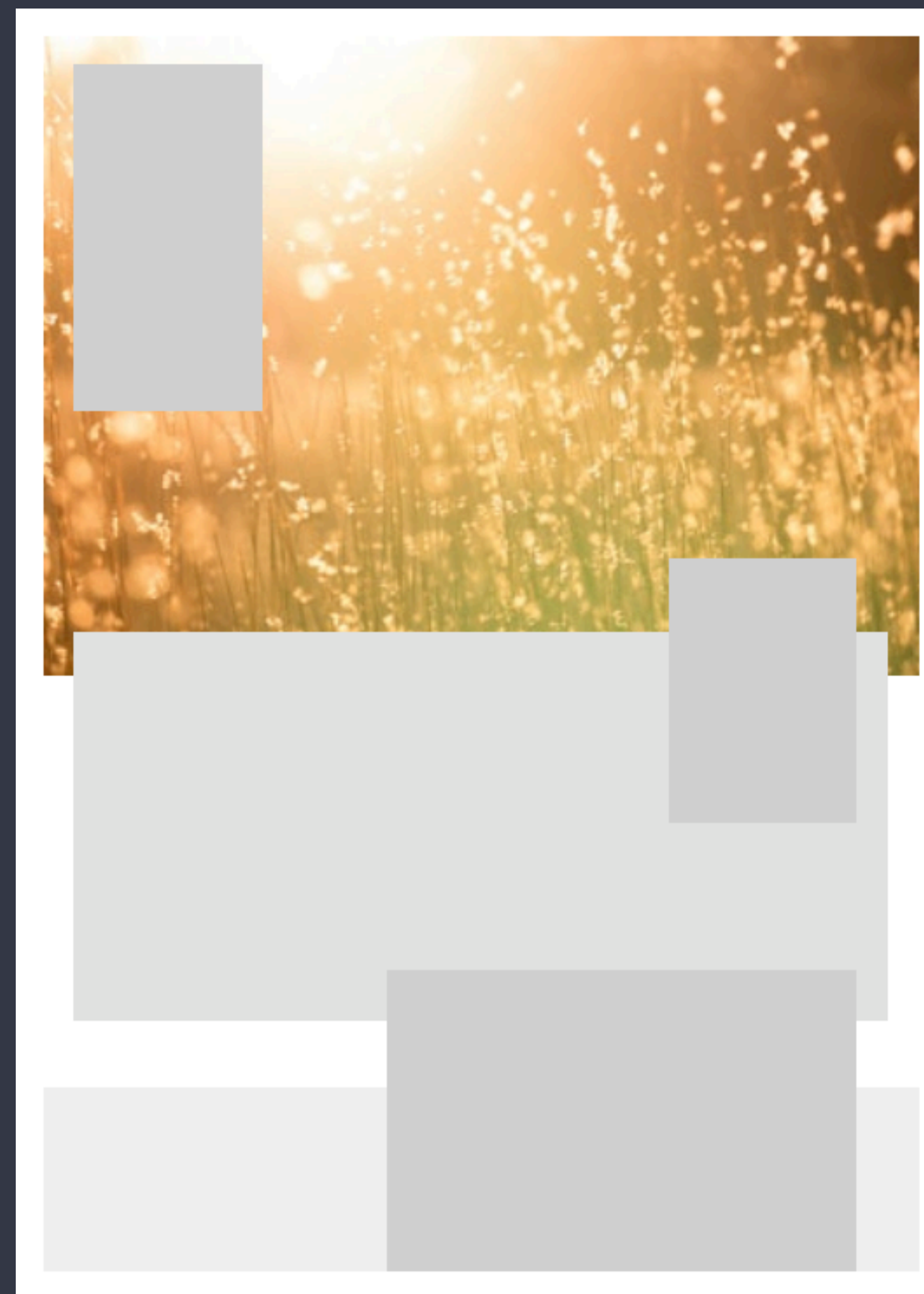
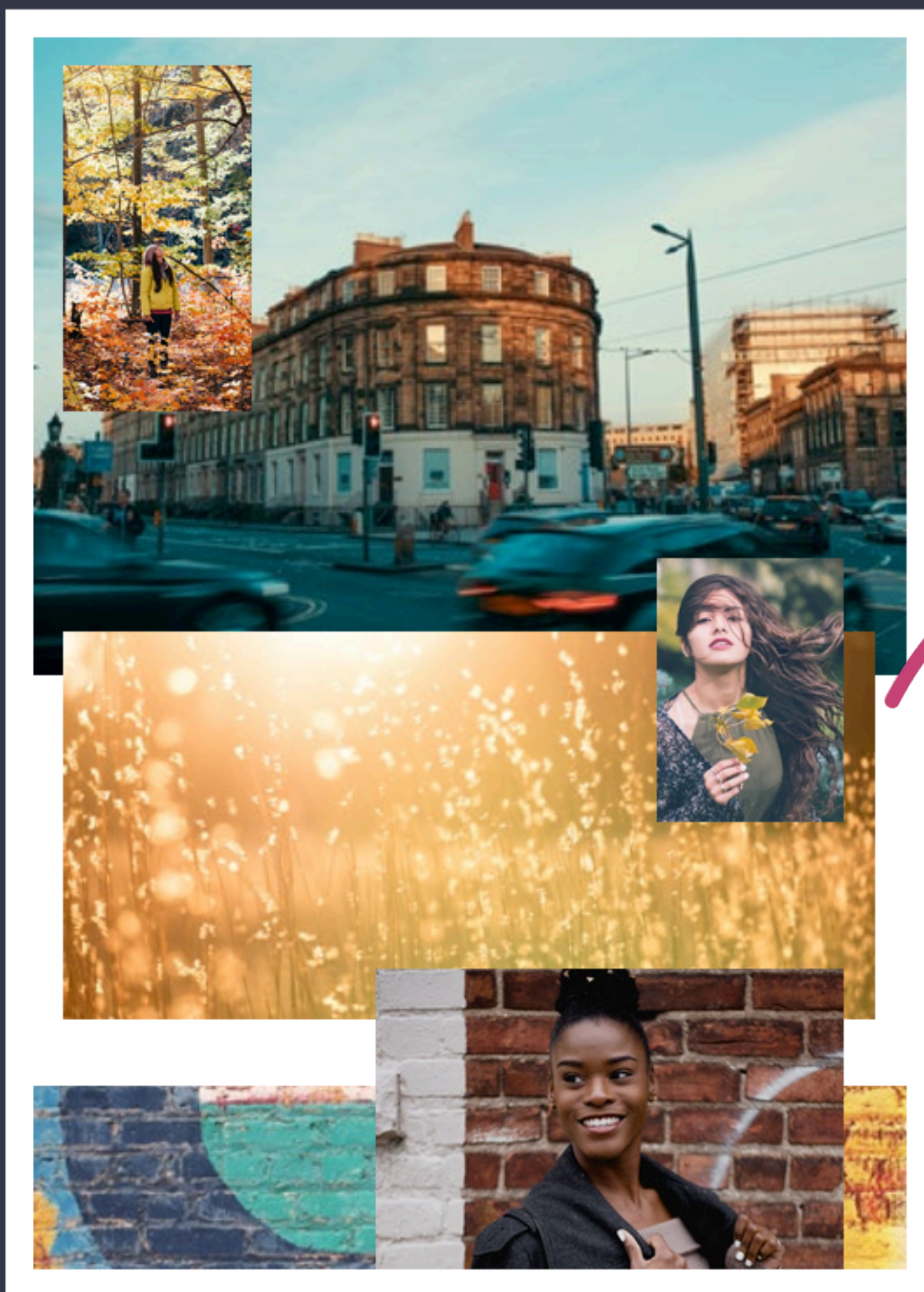


Hawkeye #1 - Marvel Comics



<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



Lang

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](#)

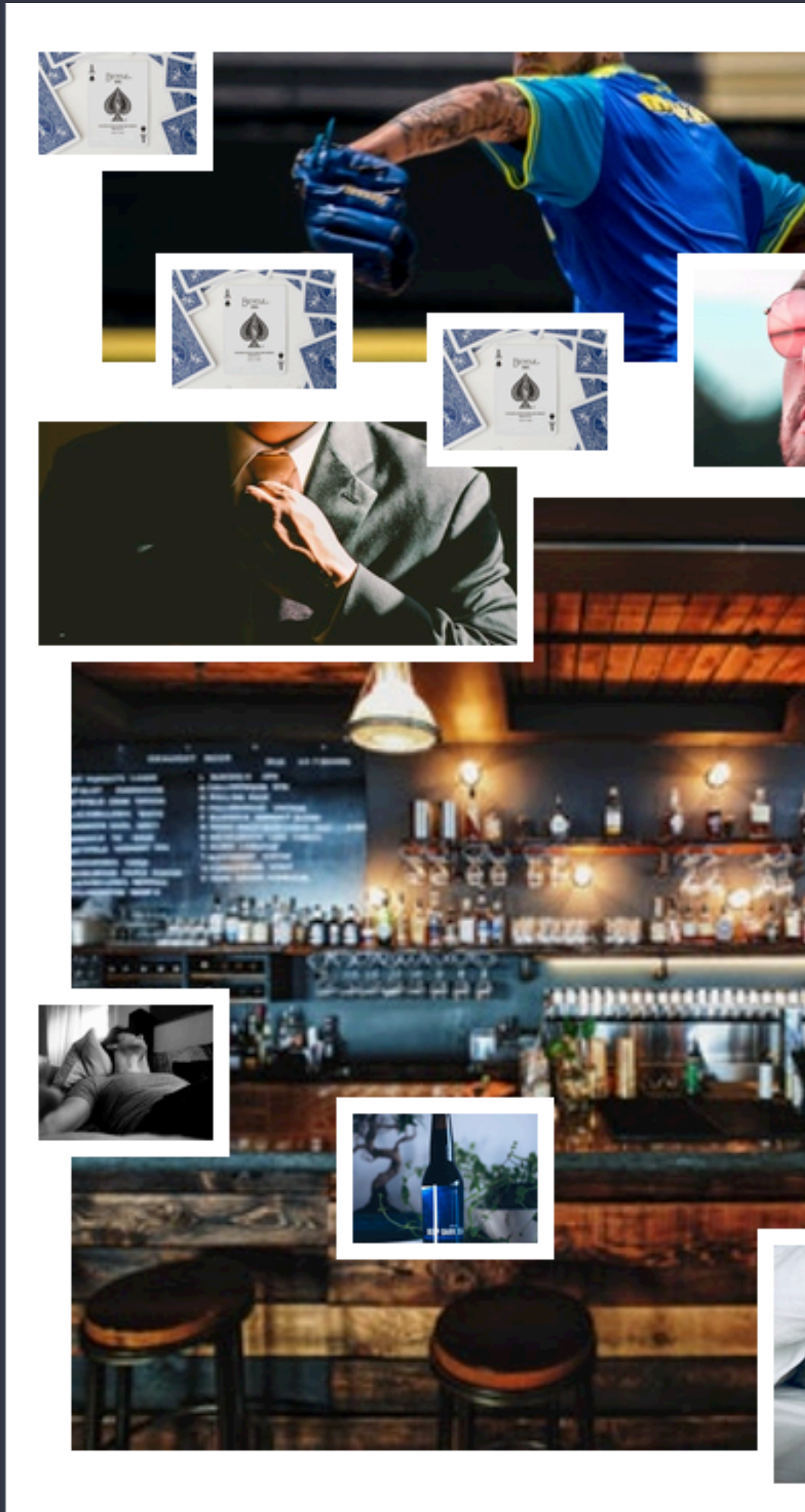
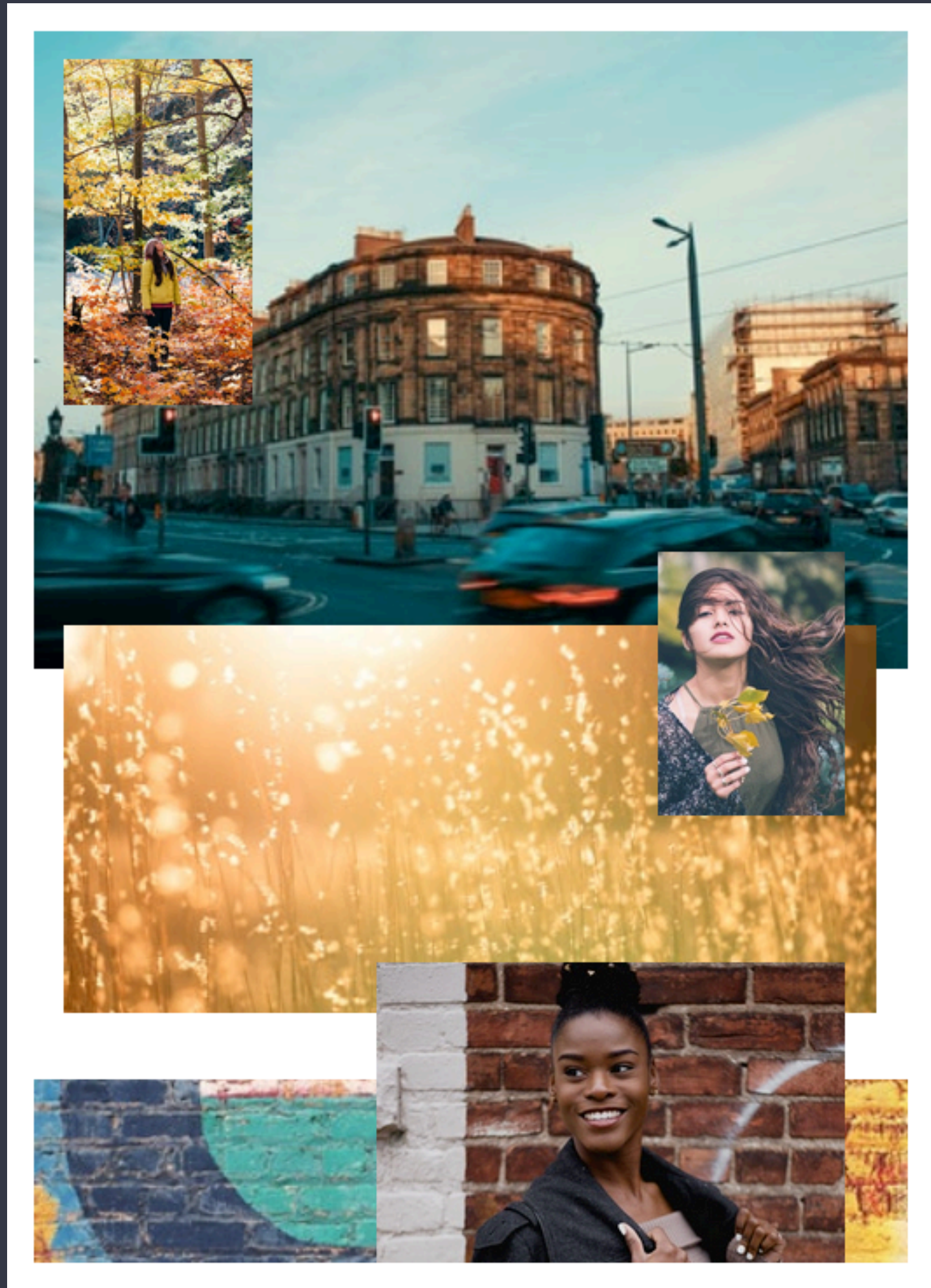
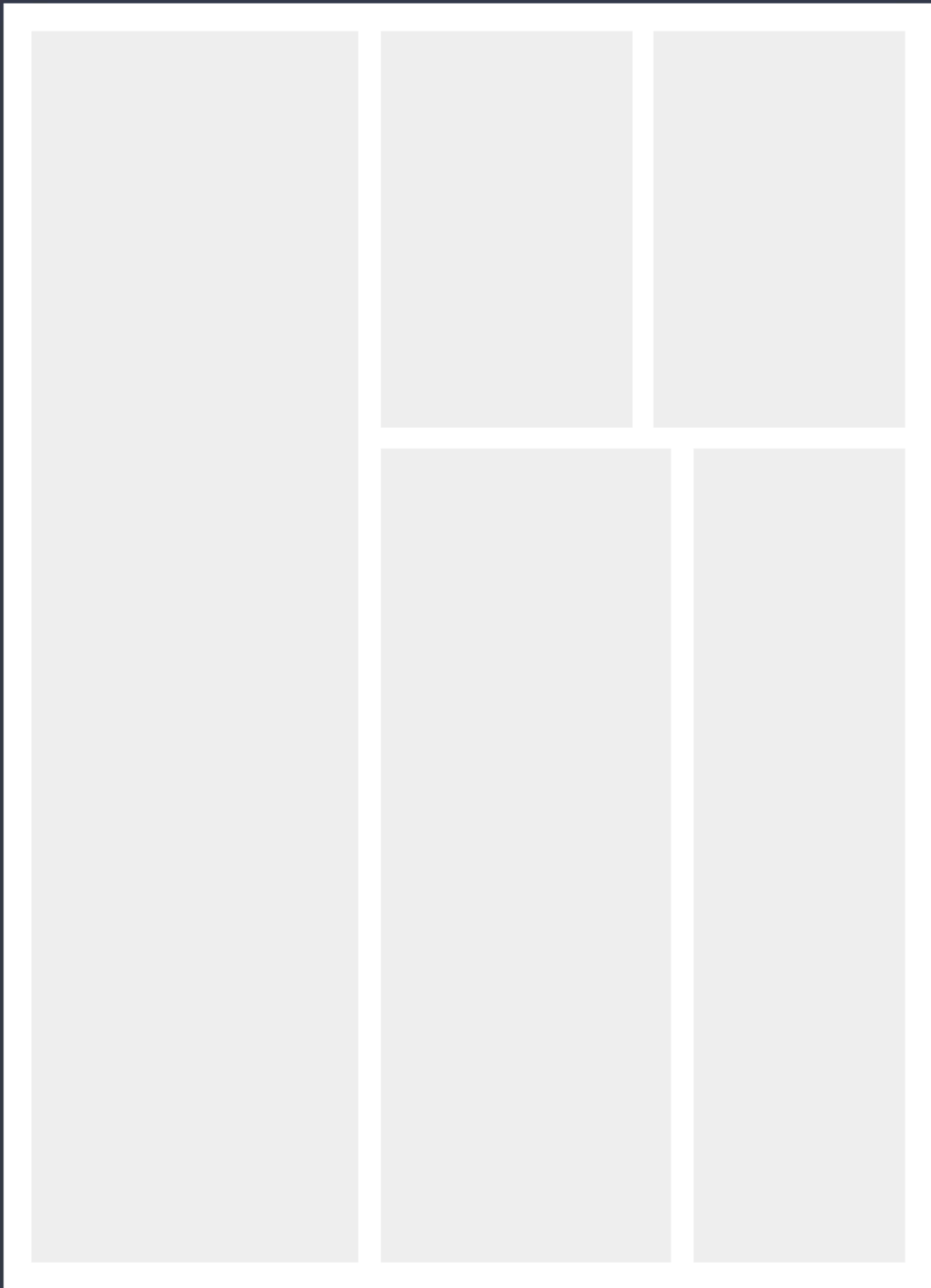
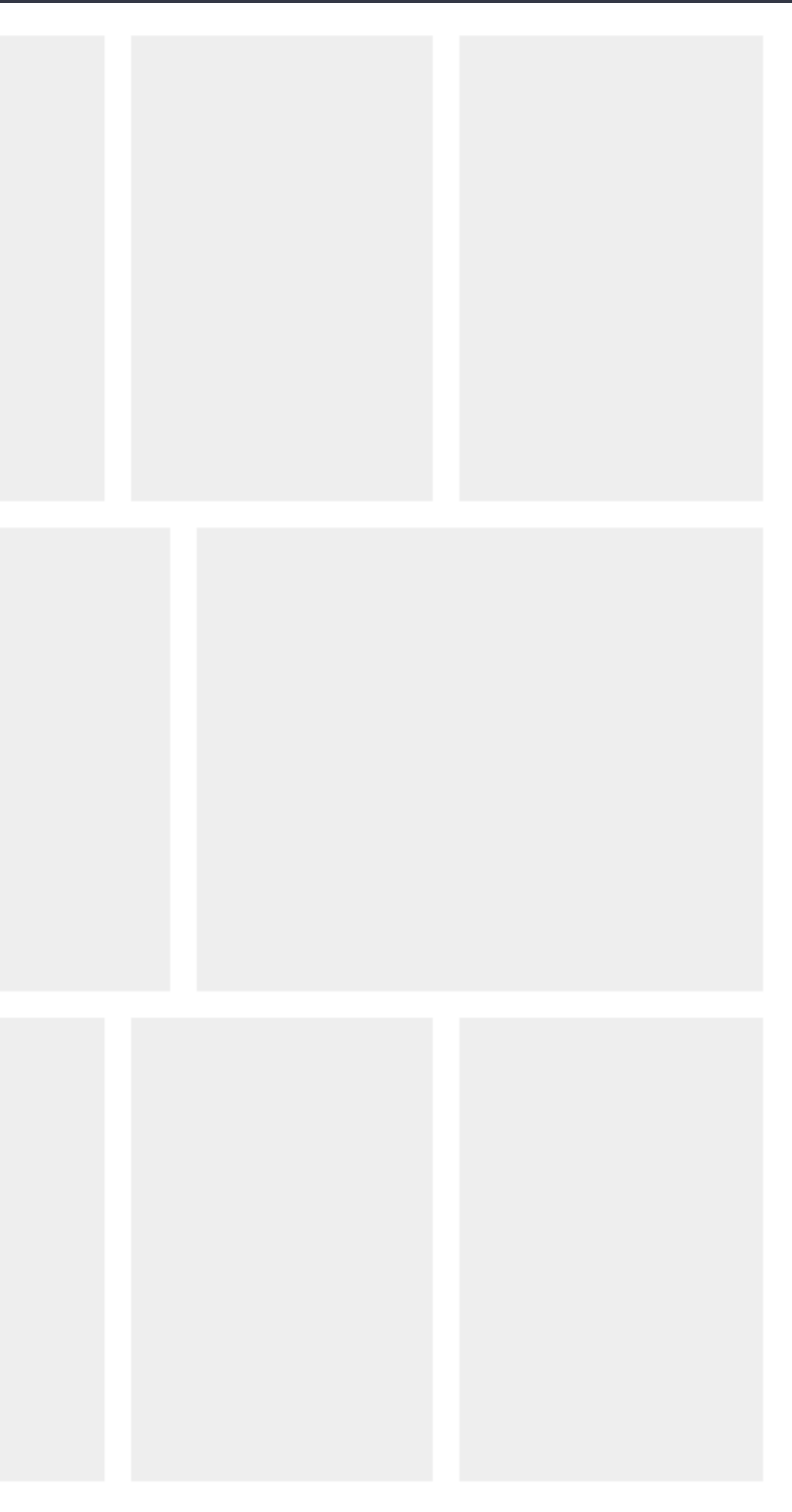
**Guides**

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](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



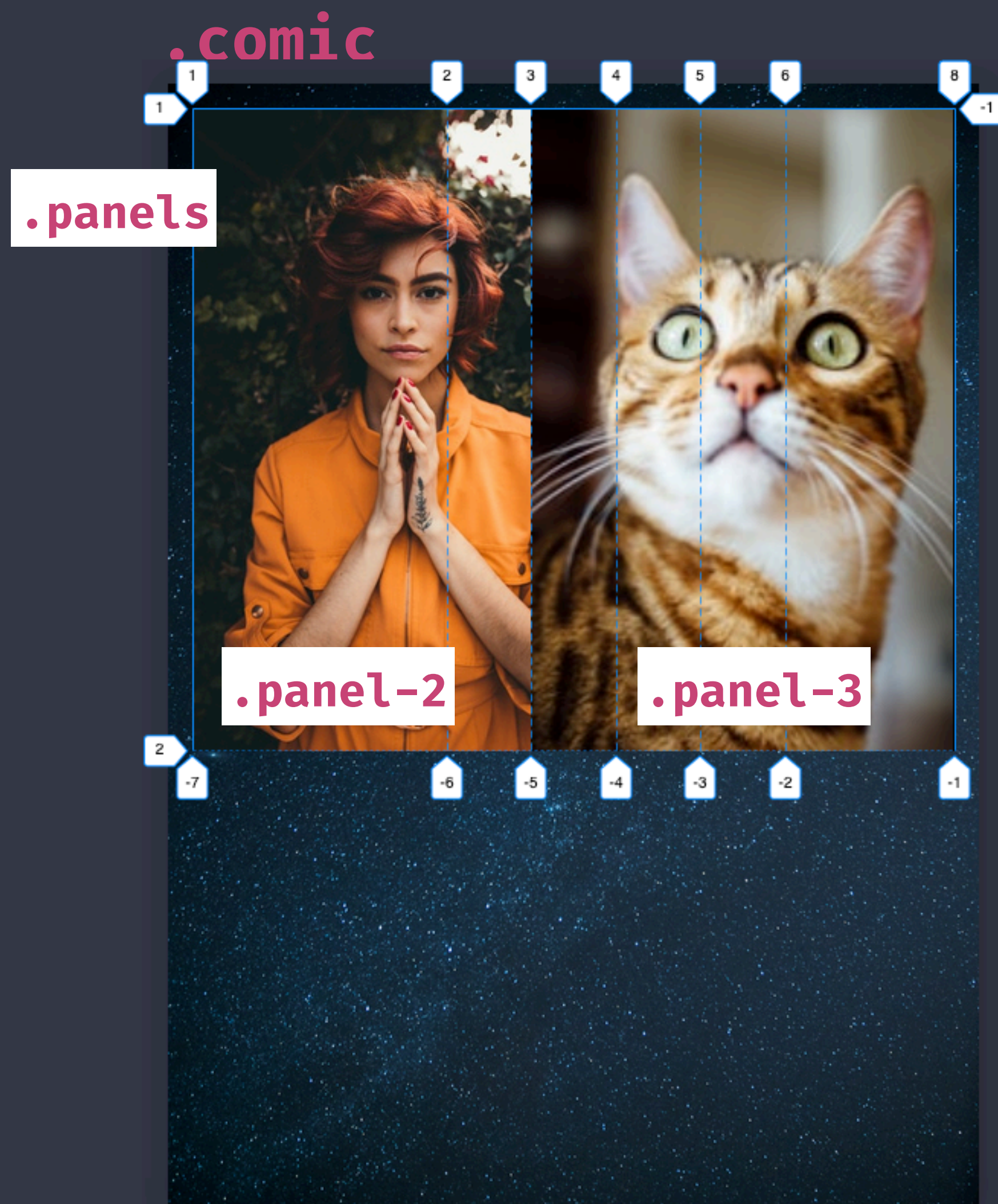
I don't feel so good...

**.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;  
}
```

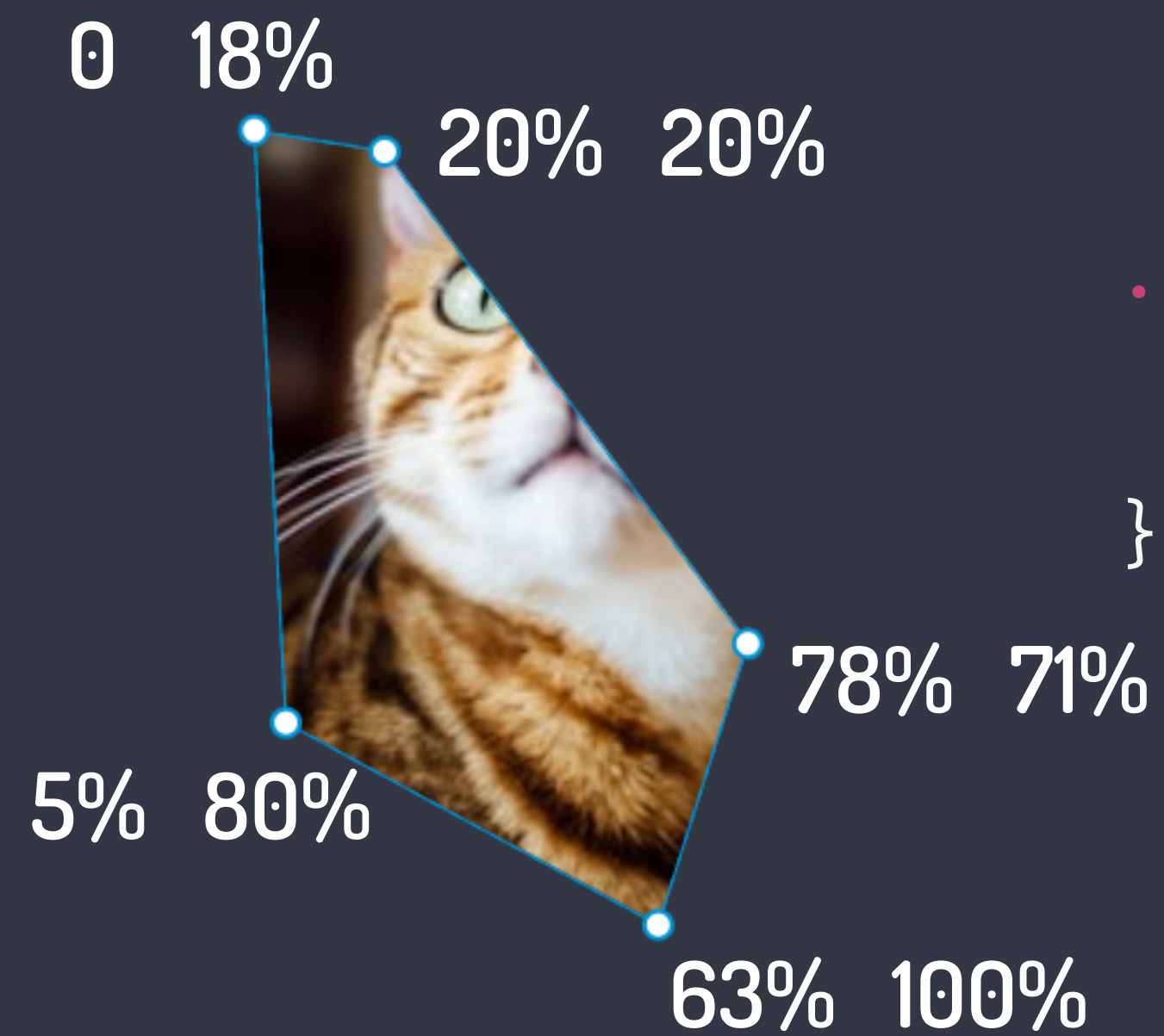


`.comic`

`.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%);  
}
```

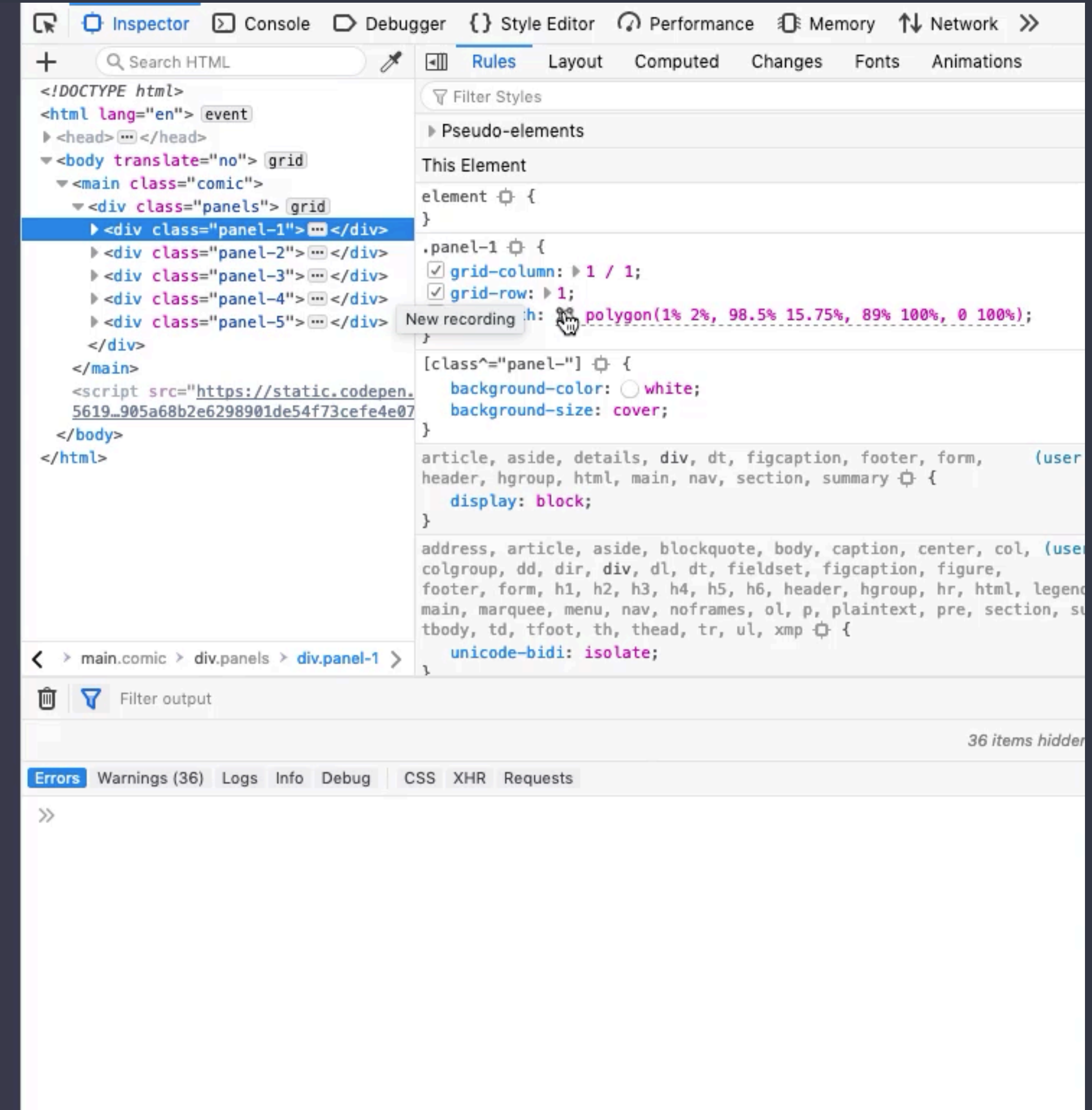


**.comic**



```
.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%);  
}
```







**.comic**

**.panel-1**



```
.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>

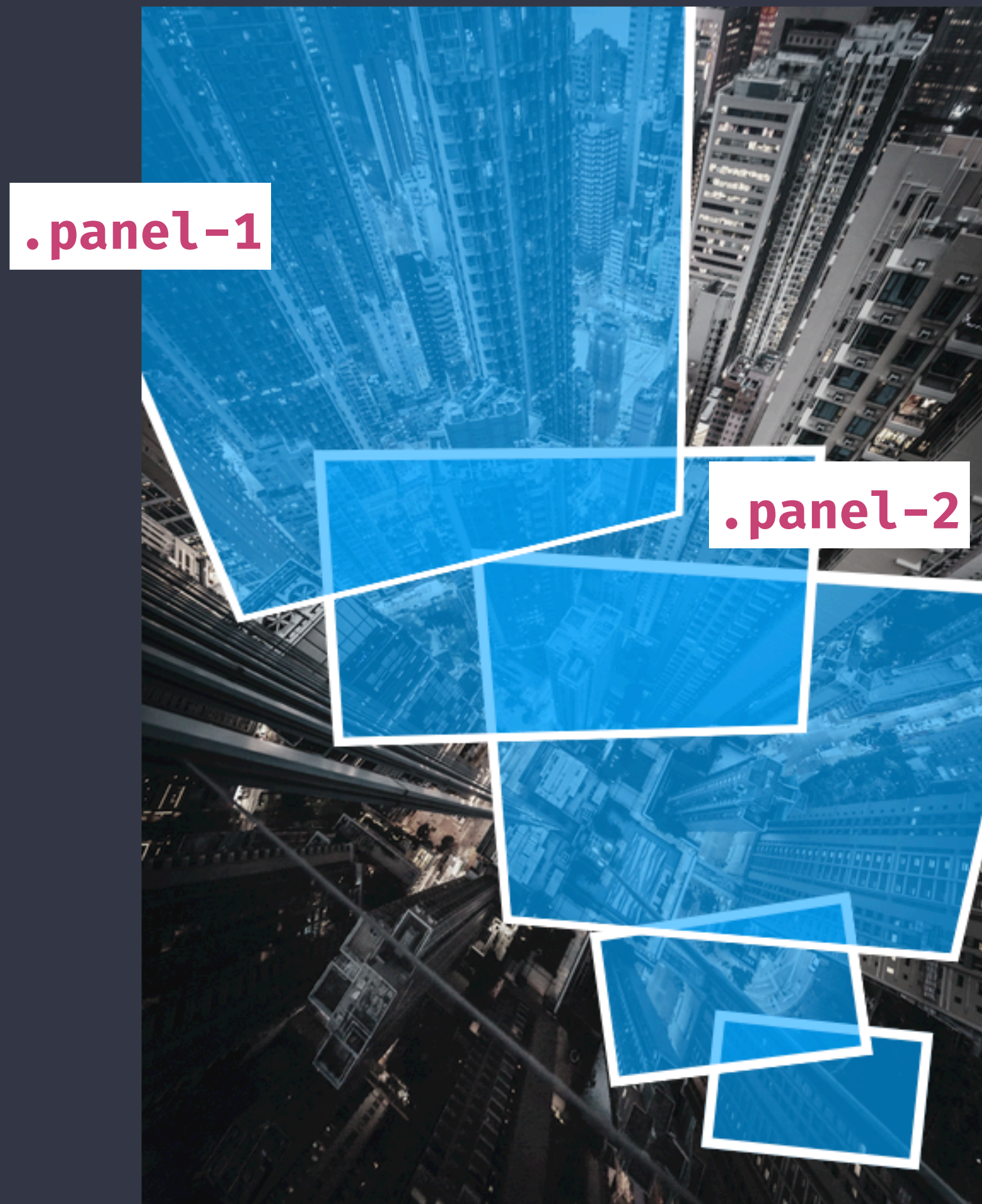






Detective Comics #876 - DC Comics





```
.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



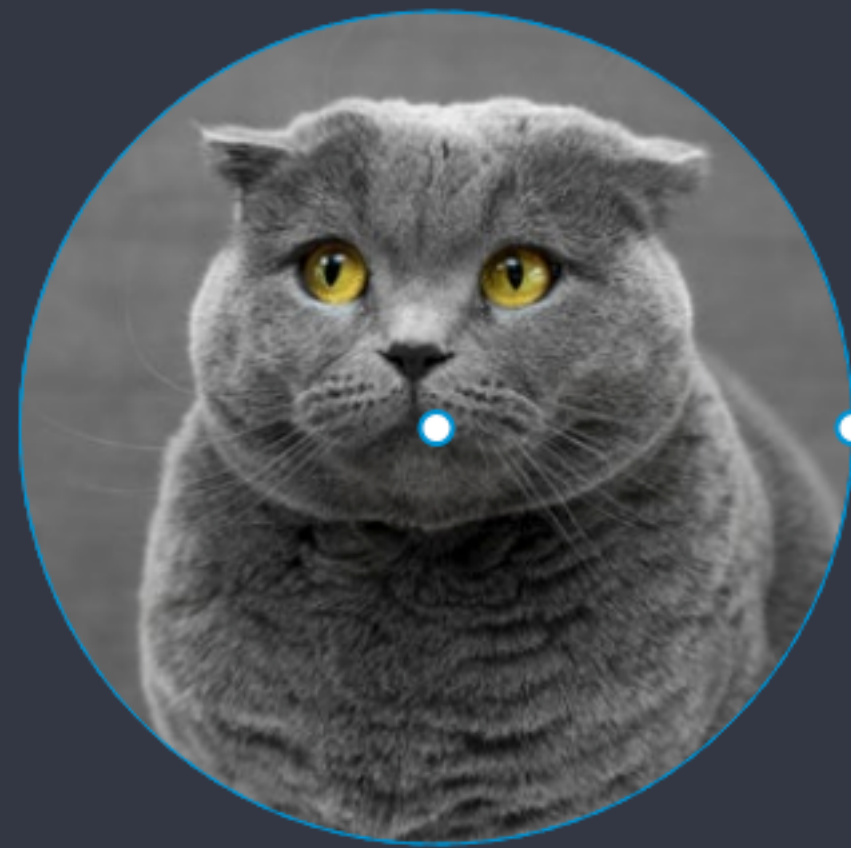


```
ellipse(148px 202px at 245px 205px);
```

Diagram illustrating the CSS `ellipse()` function parameters:

- Radius:** Indicated by a curved arrow pointing to the first two parameters, `148px` and `202px`.
- Center Point:** Indicated by a curved arrow pointing to the last two parameters, `245px` and `205px`.
- X and Y:** Handwritten labels with arrows pointing to the center coordinates `245px` (X) and `205px` (Y).





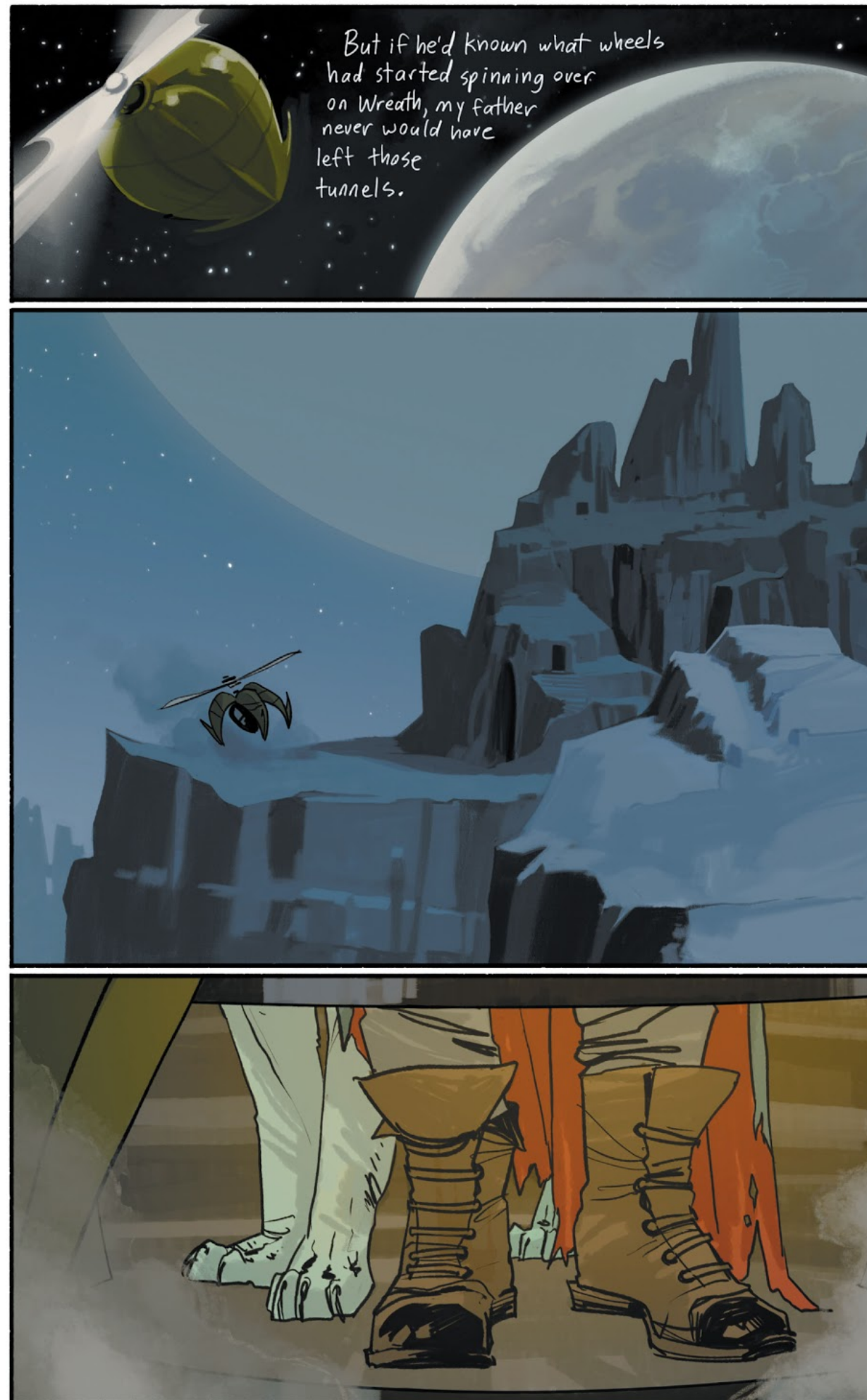
`circle(156px at 241px 162px);`

Radius

X

Y





Saga 1 - Image Comics



# CSS SHAPES







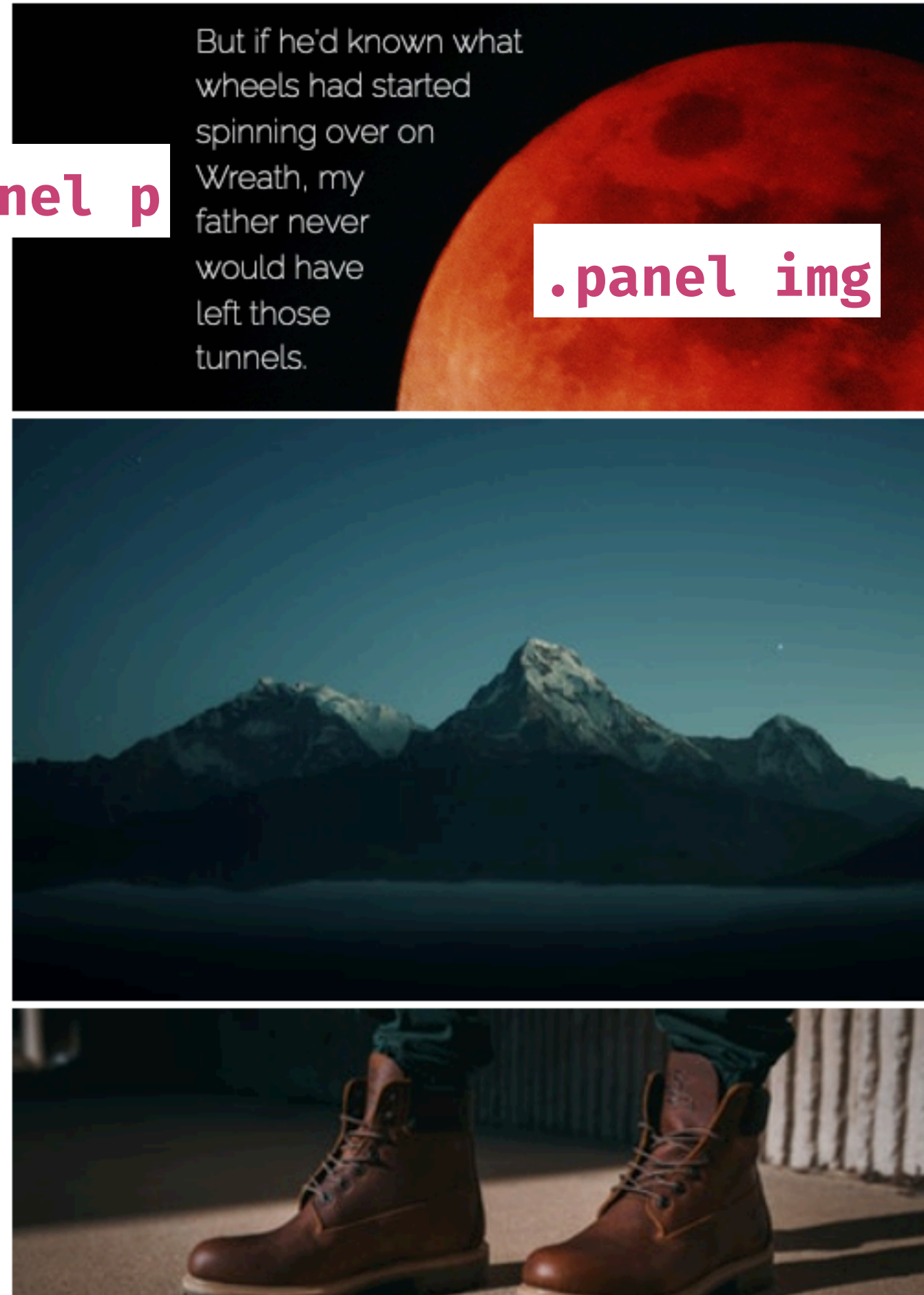
Saga 1 - Image Comics



**.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**



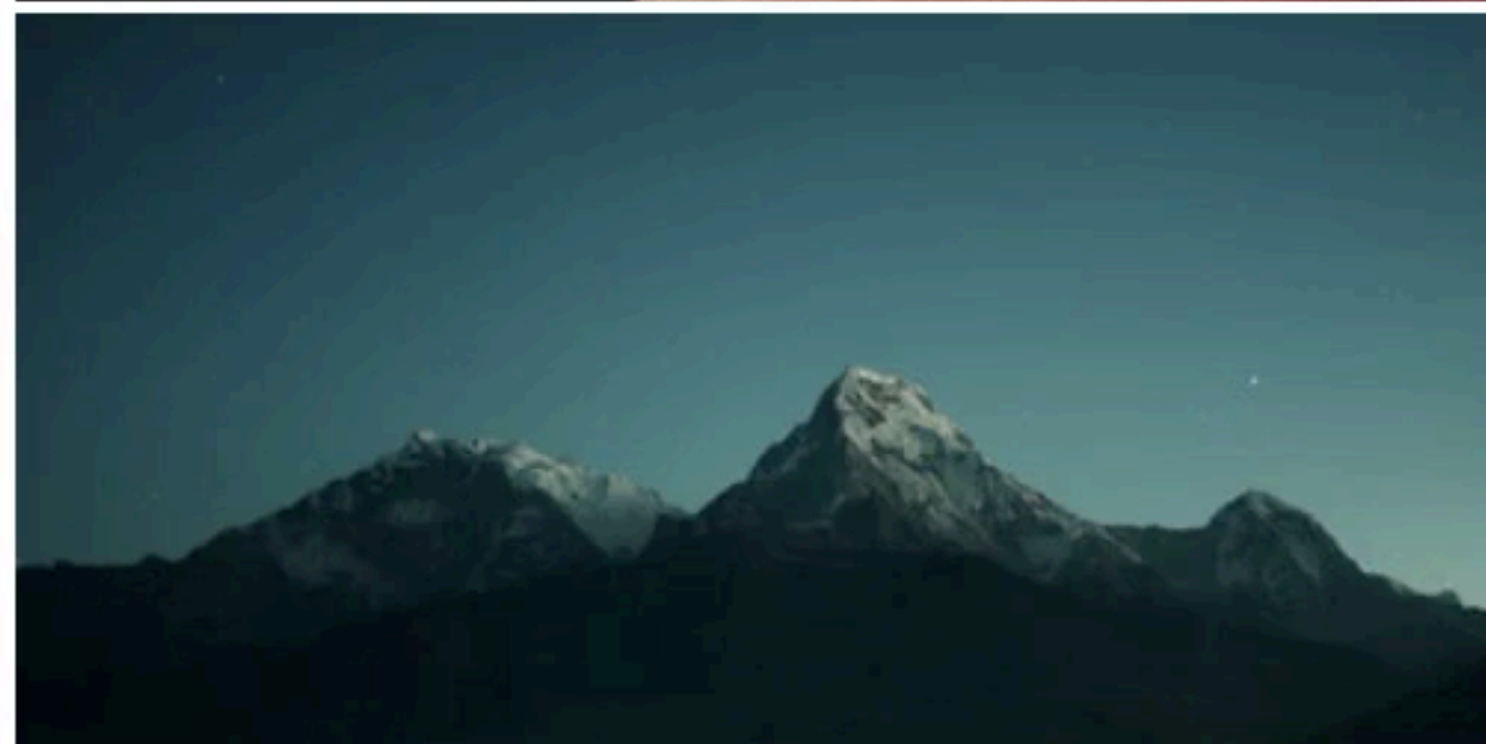
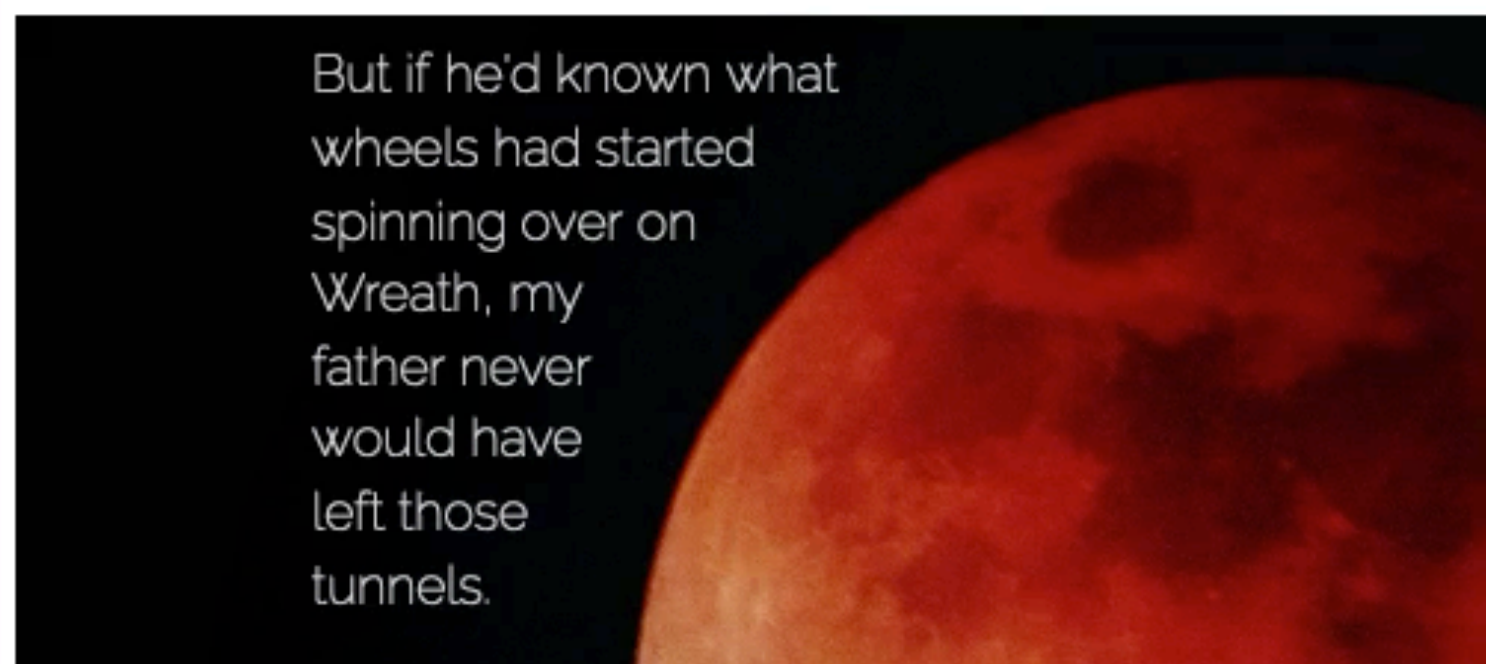
```
.panel-1 {  
  position: relative;  
}
```

```
.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 {

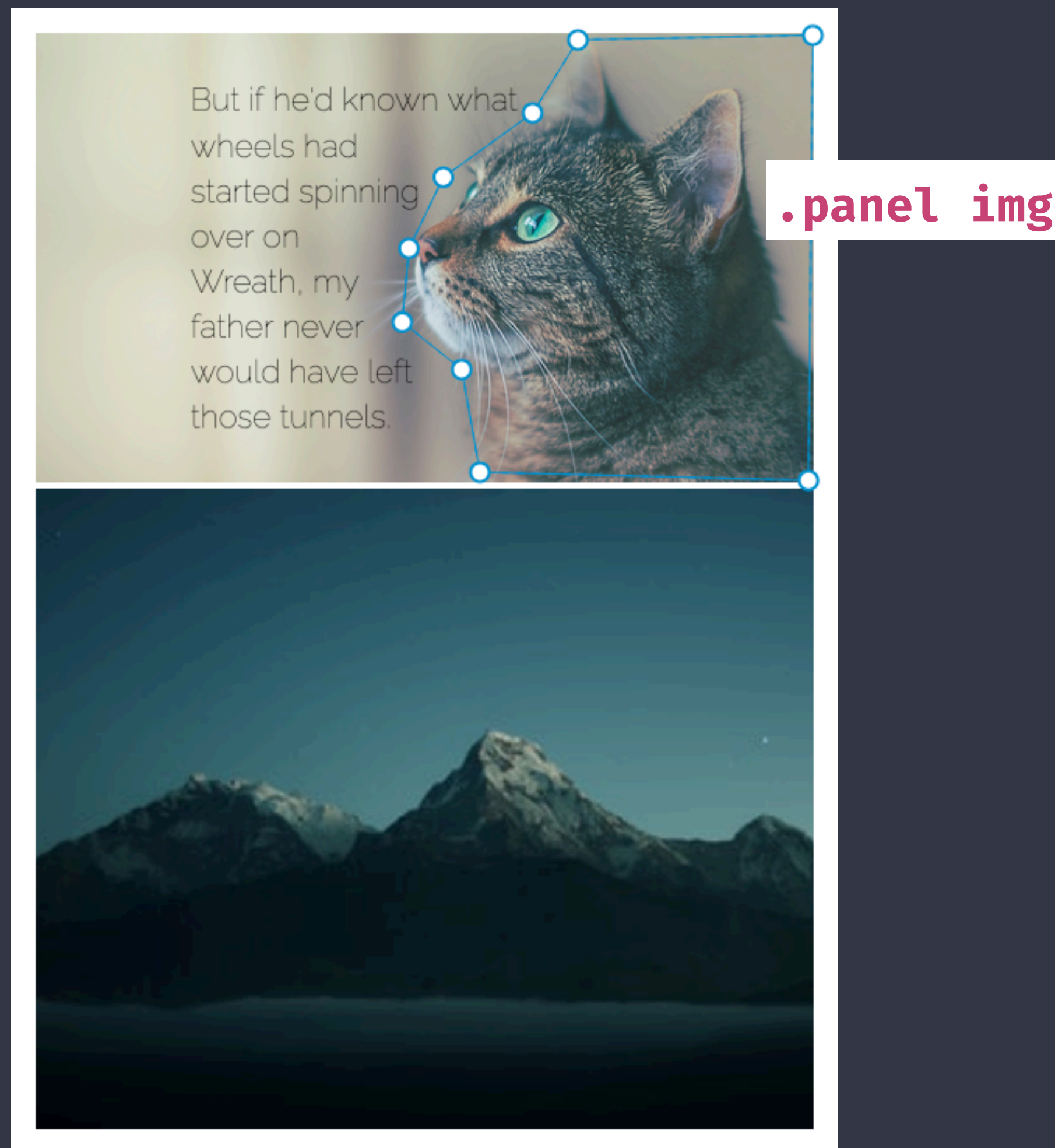
```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body translate="no">
    <main class="comic">
      <div class="panel-1">
        
      </div>
      <div class="panel-2">
      </div>
      <div class="panel-3">
      </div>
    </main>
    <script src="https://static.codepen.io/assets/editor/live/css_reload-5619...905a68b2e6298901de54f73cefe4e079f65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

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

Filter output

Persist Logs





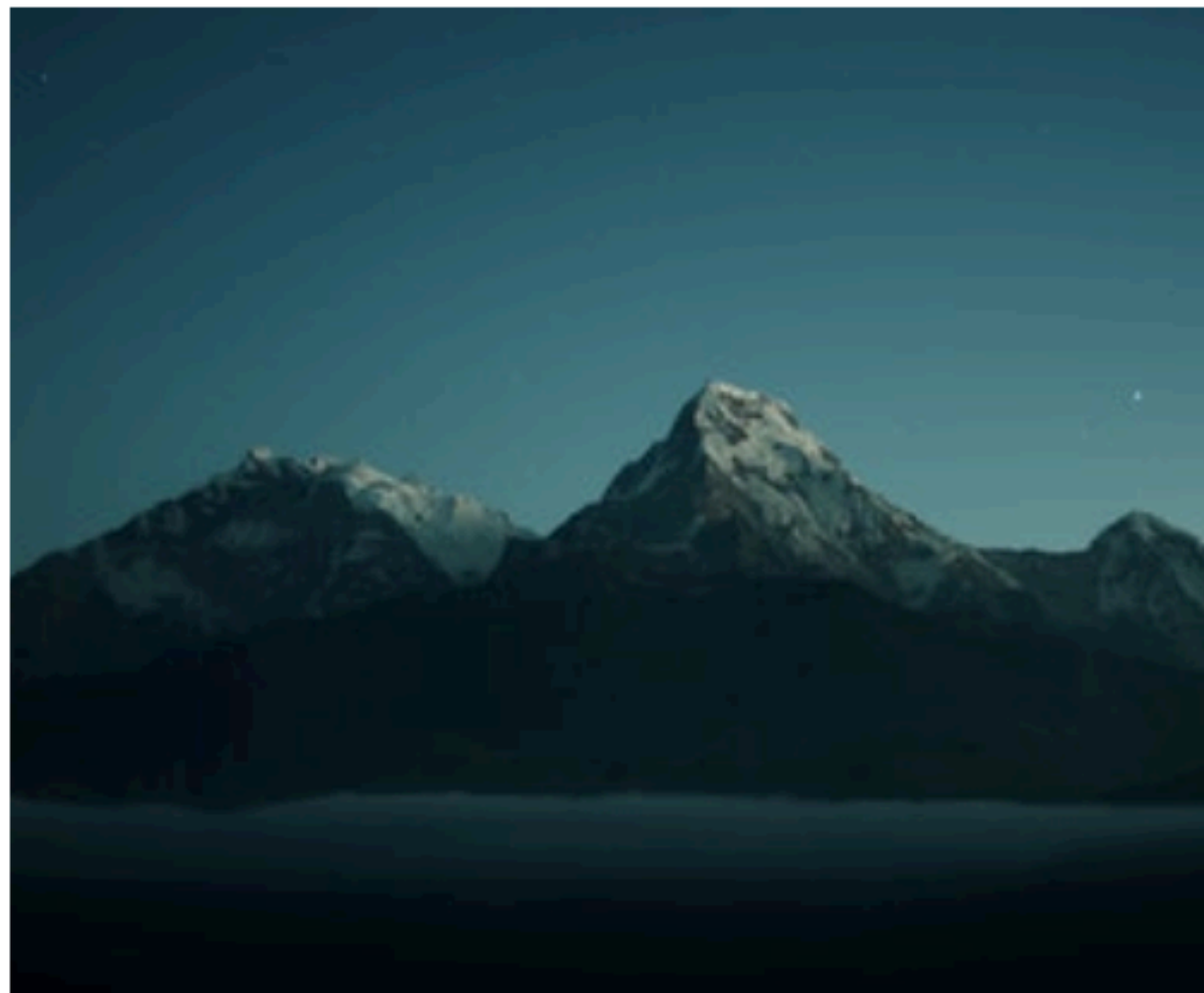
```
.panel img {  
  float: right;  
  shape-outside: polygon(349px 4px, 500px 1px,  
    99.44% 99.51%, 286px 282px, 54.86%  
    74.82%, 47.21% 64.25%, 48.08% 47.82%,  
    52.5% 32.01%, 63.98% 17.66%);  
}
```

<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?

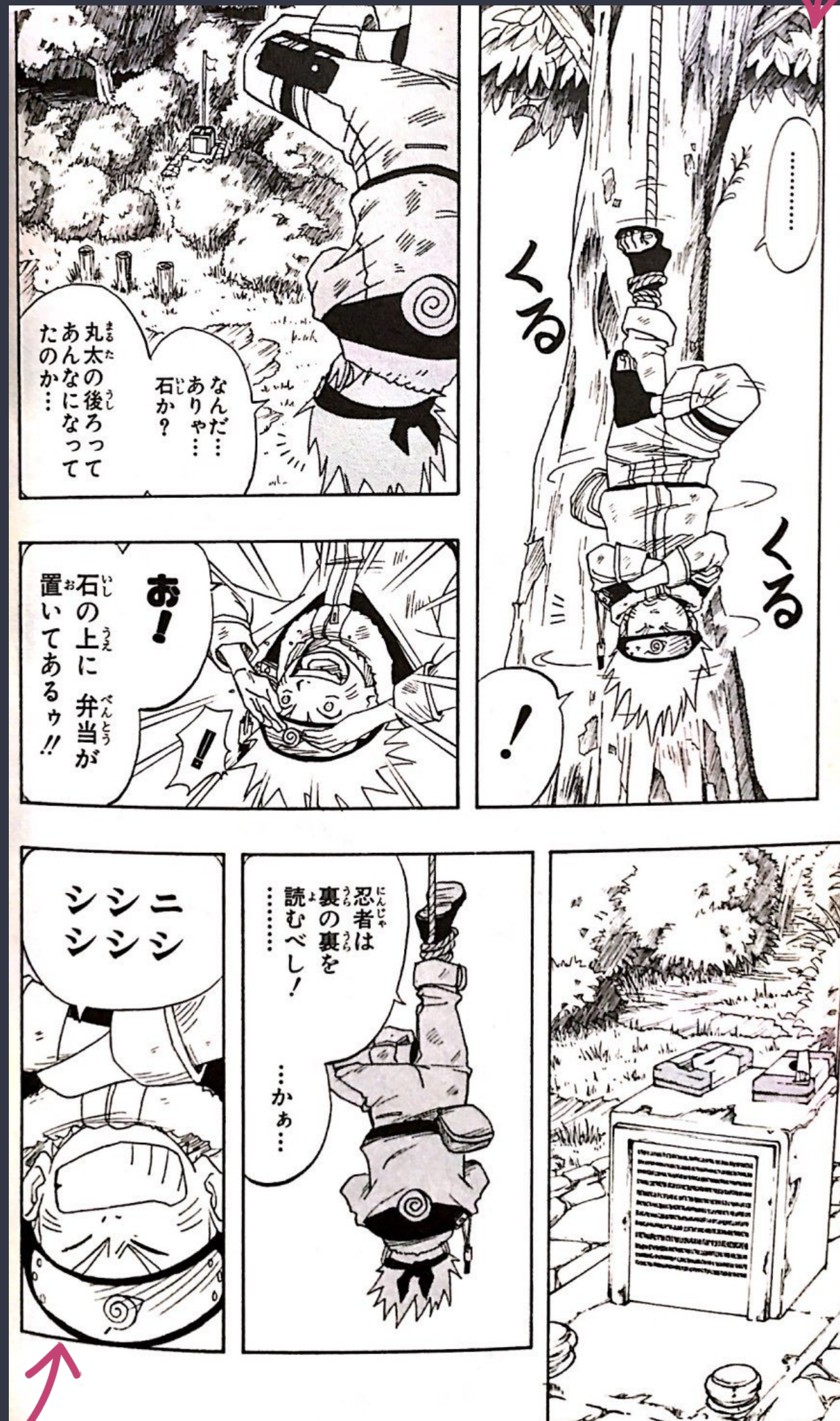


NANI?!  
何

WHAT?



Start



Naruto Vol.1 - Shueisha

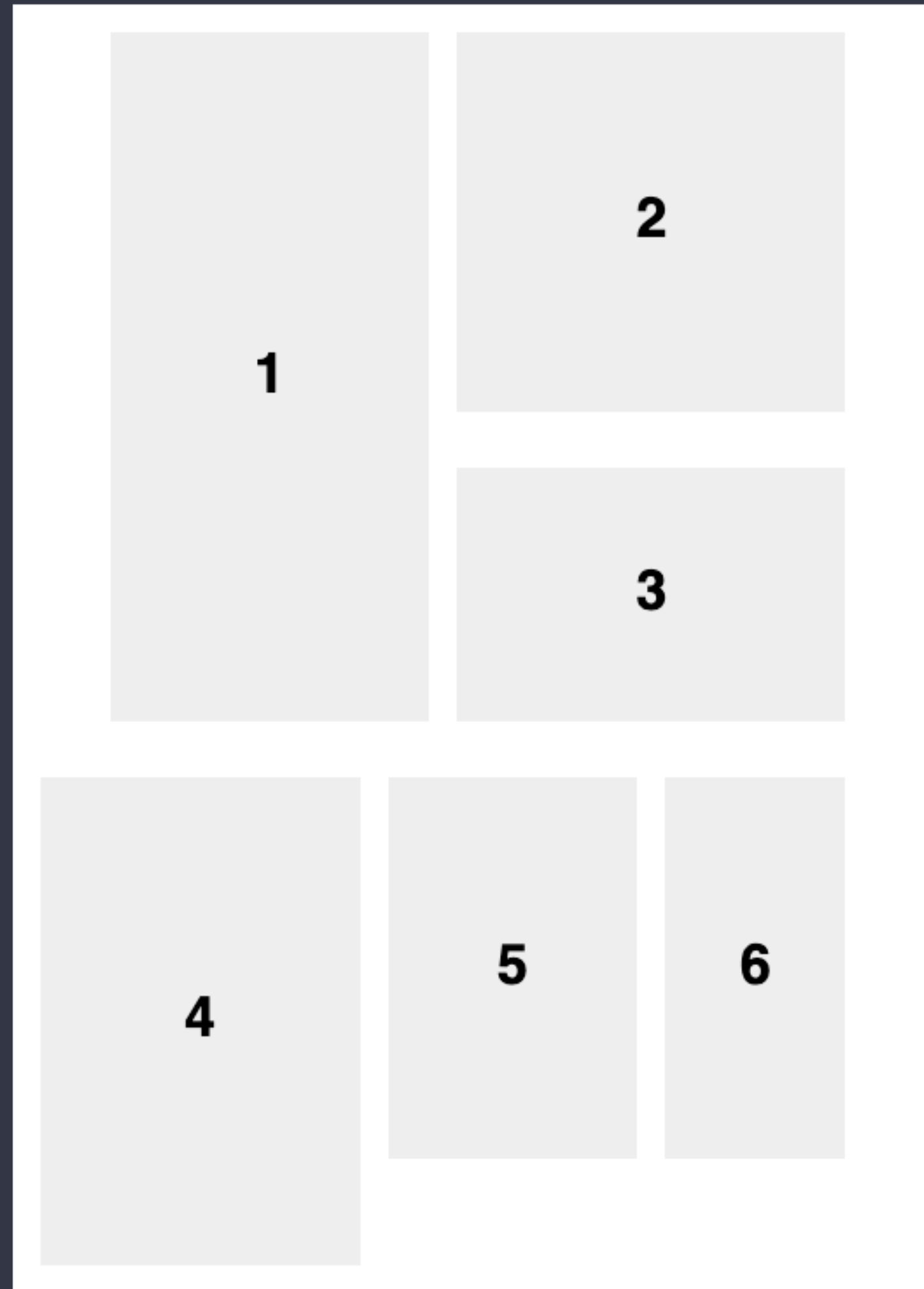


Naruto Vol.1 - Madman Entertainment

Finish

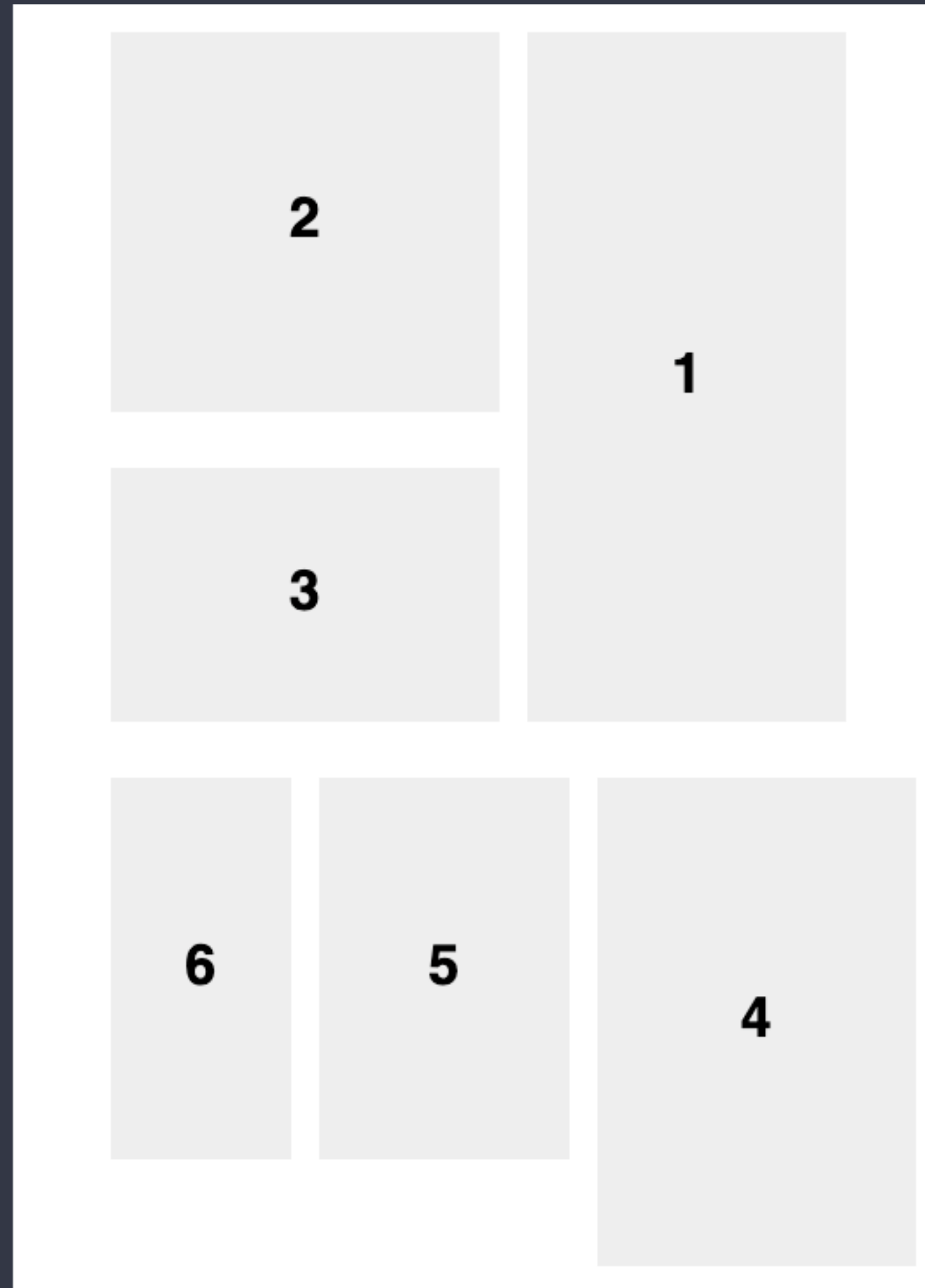


```
<main class="comic" dir="ltr">
```



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

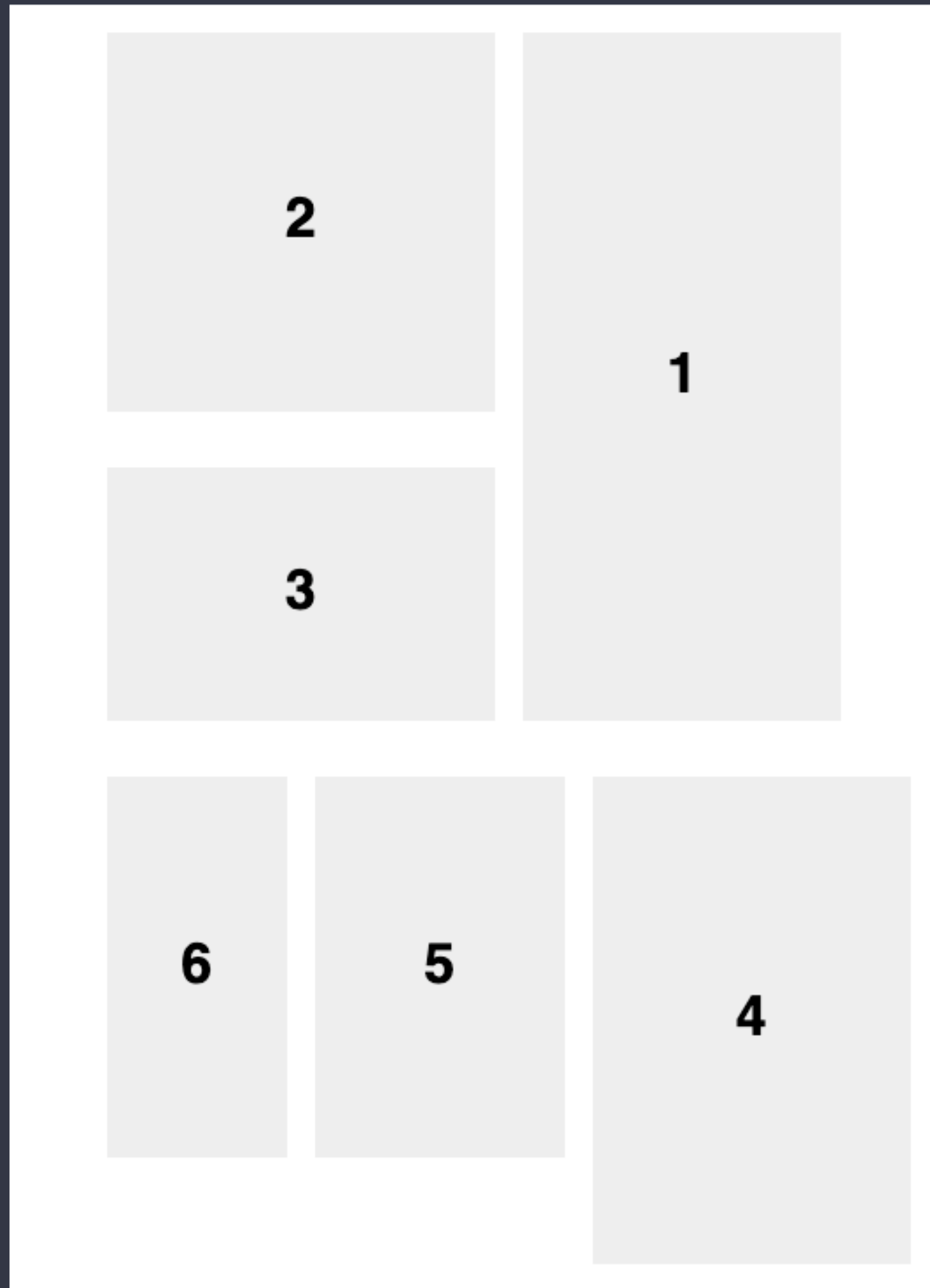
```
<main class="comic" dir="rtl">
```



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



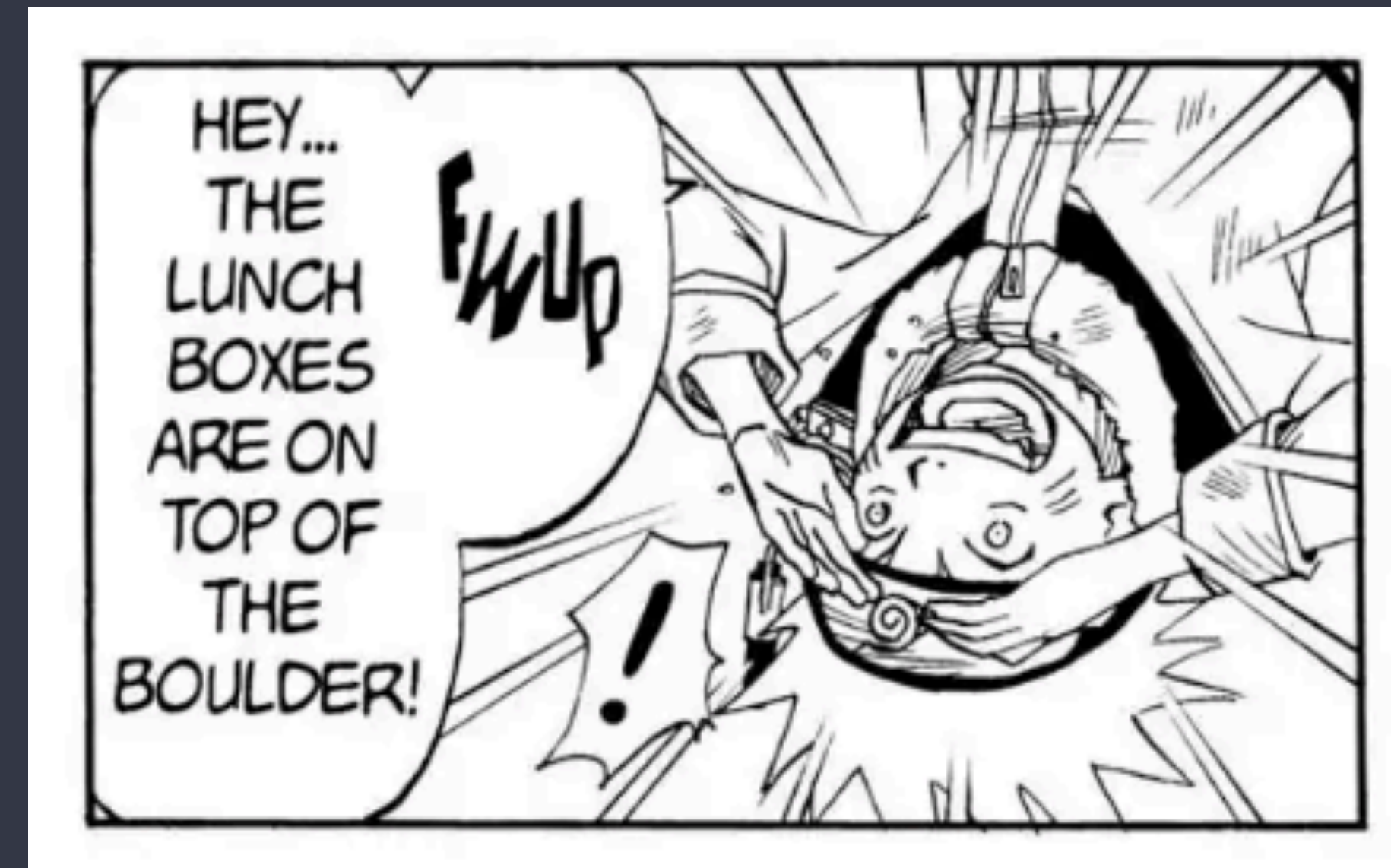
**.comic**



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

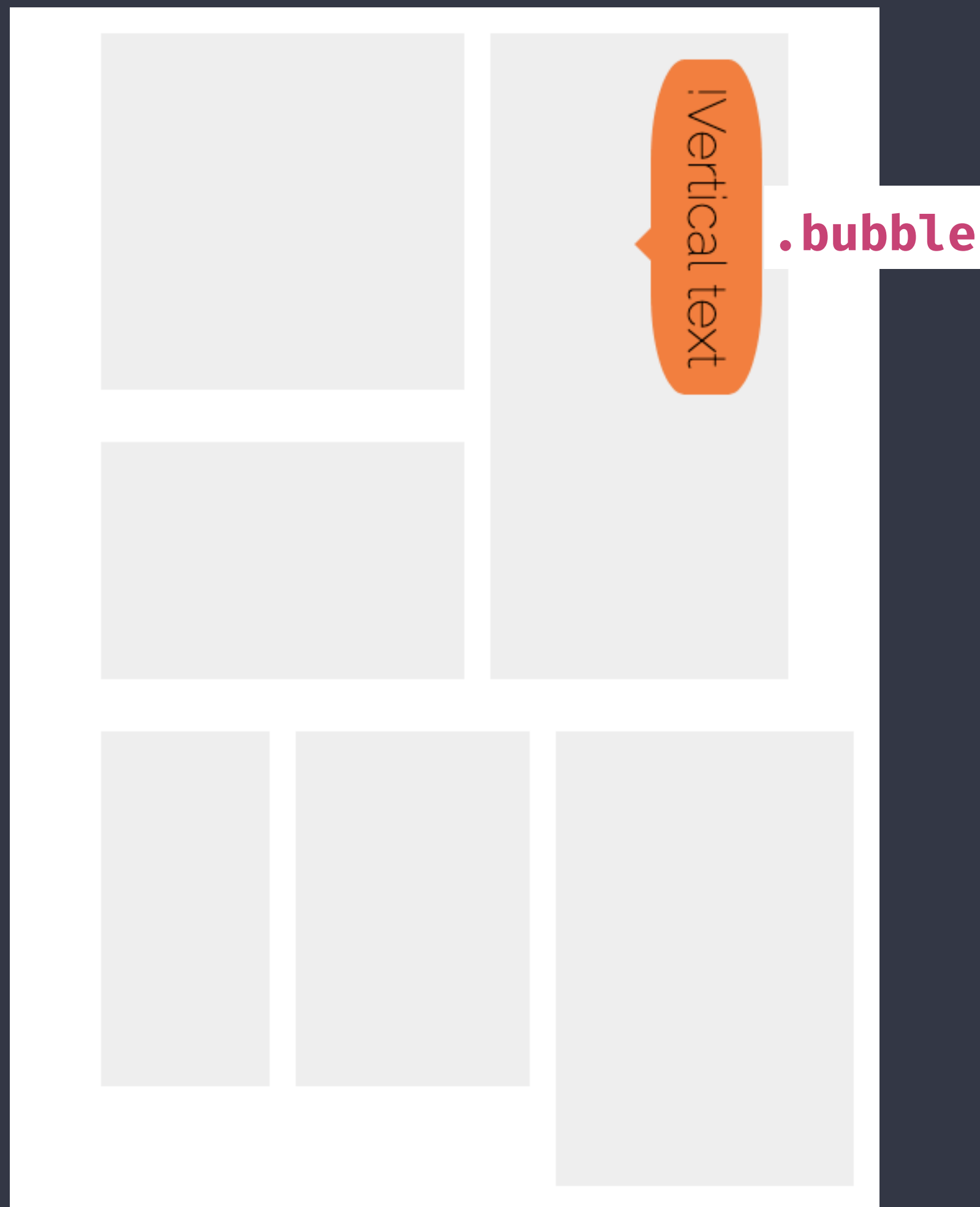


Naruto Vol. 1 - Shueisha



Naruto Vol. 1 - Madman Entertainment





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





if he'd known what  
feels had started  
inning over on  
eath, my  
er never  
uld have  
those  
hels.





if he'd known what  
feels had started  
inning over on  
death, my  
er never  
uld have  
those  
hels.





if he'd known what  
feels had started  
inning over on  
death, my  
er never  
uld have  
those  
hels.



**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