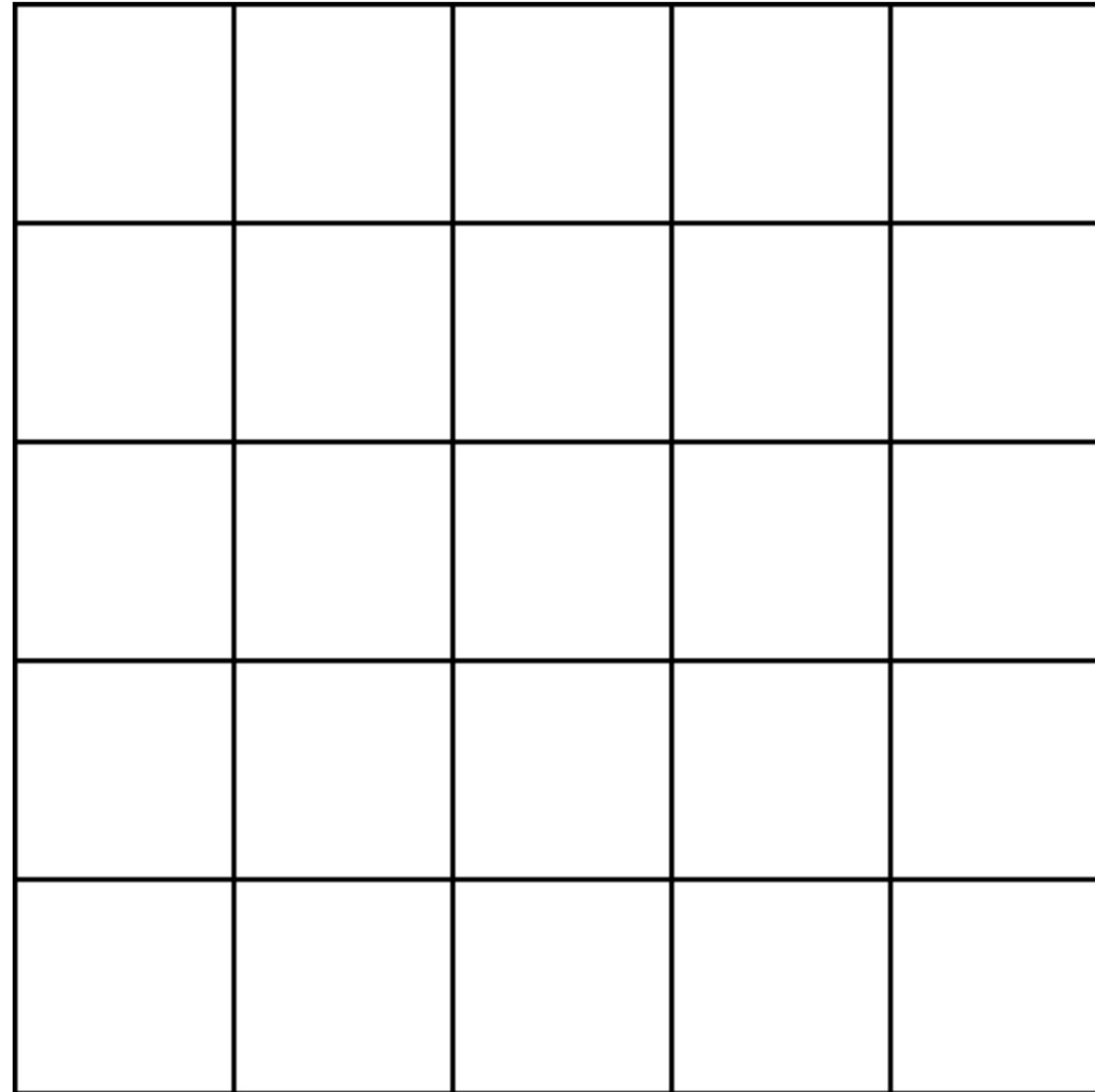


CSS Grid & Flexbox

Created by - Ayush Gupta

What is CSS Grid?



That's it!

Uses of CSS Grid

CSS Grid Layout is the most powerful layout system available in CSS. It is a 2-dimensional system, meaning it can handle both columns **unlike flexbox which is largely a 1-dimensional**

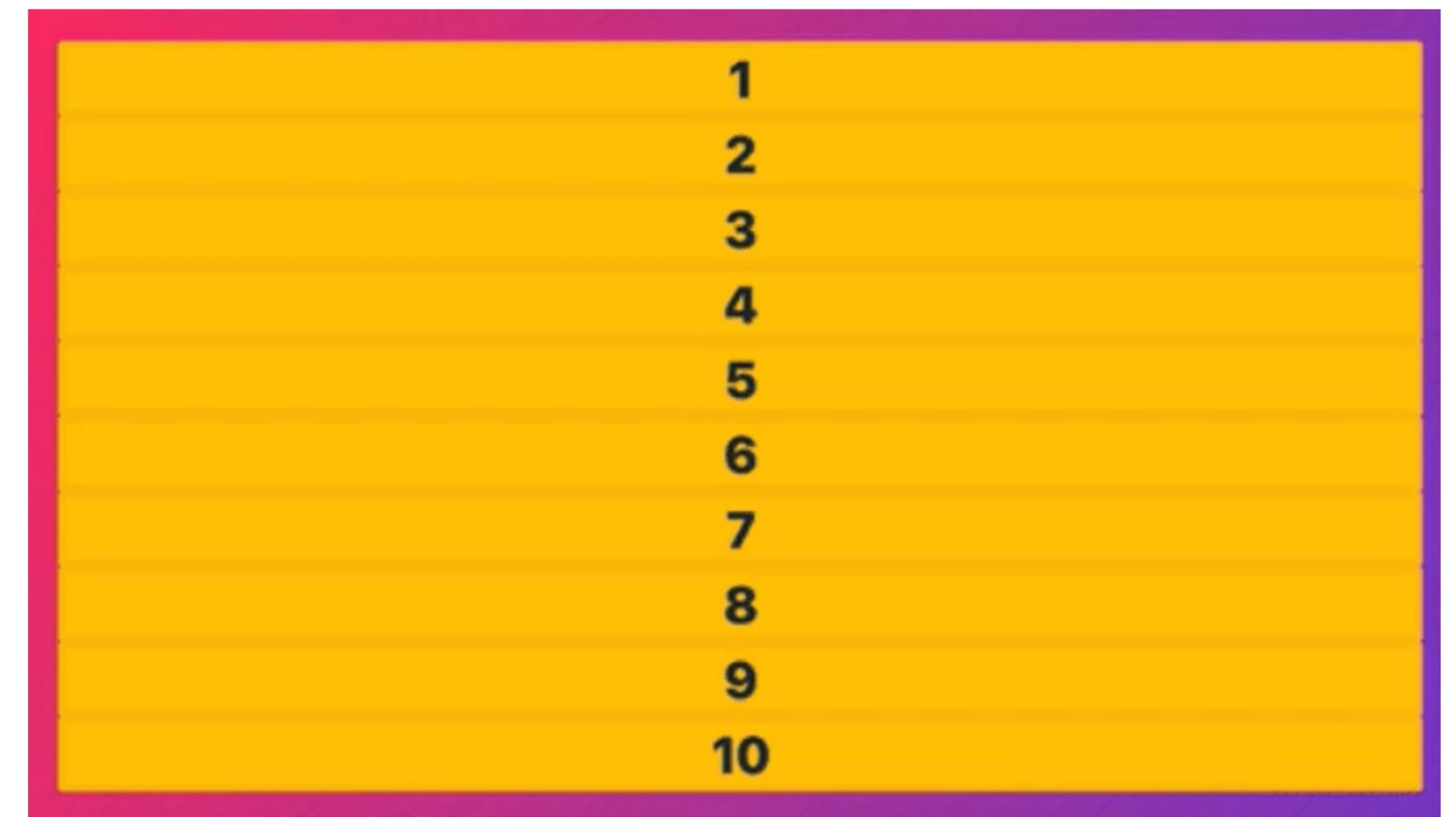
Basic Example

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content=
"width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="../assets/style.css">
  <title>CSS Grid Fundamentals!</title>
</head>

<body>
  <div class="container">
    <div class="item">1</div>
    <div class="item">2</div>
    <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
    <div class="item">6</div>
    <div class="item">7</div>
    <div class="item">8</div>
    <div class="item">9</div>
    <div class="item">10</div>
  </div>
  <style>
    .container {
      display: grid;
    }
  </style>
</body>

</html>
```



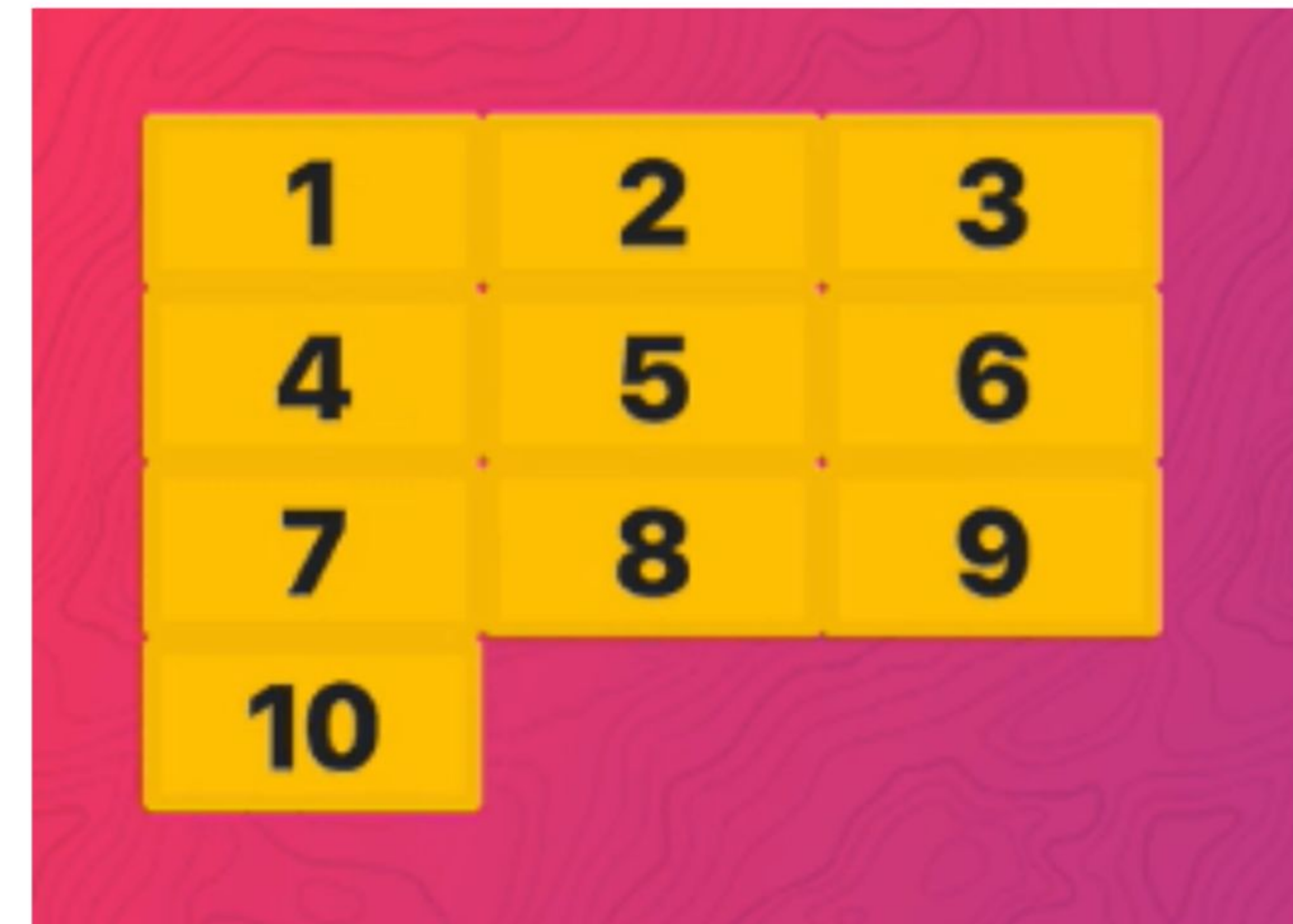
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    <div class="item">7</div>
    <div class="item">8</div>
    <div class="item">9</div>
    <div class="item">10</div>
  </div>
  <style>
    .container {
      display: grid;
      grid-template-columns: 100px 100px 100px;
    }
  </style>
</body>

</html>
```



Example on MDN

CSS Grid in action



THE COLLECTION

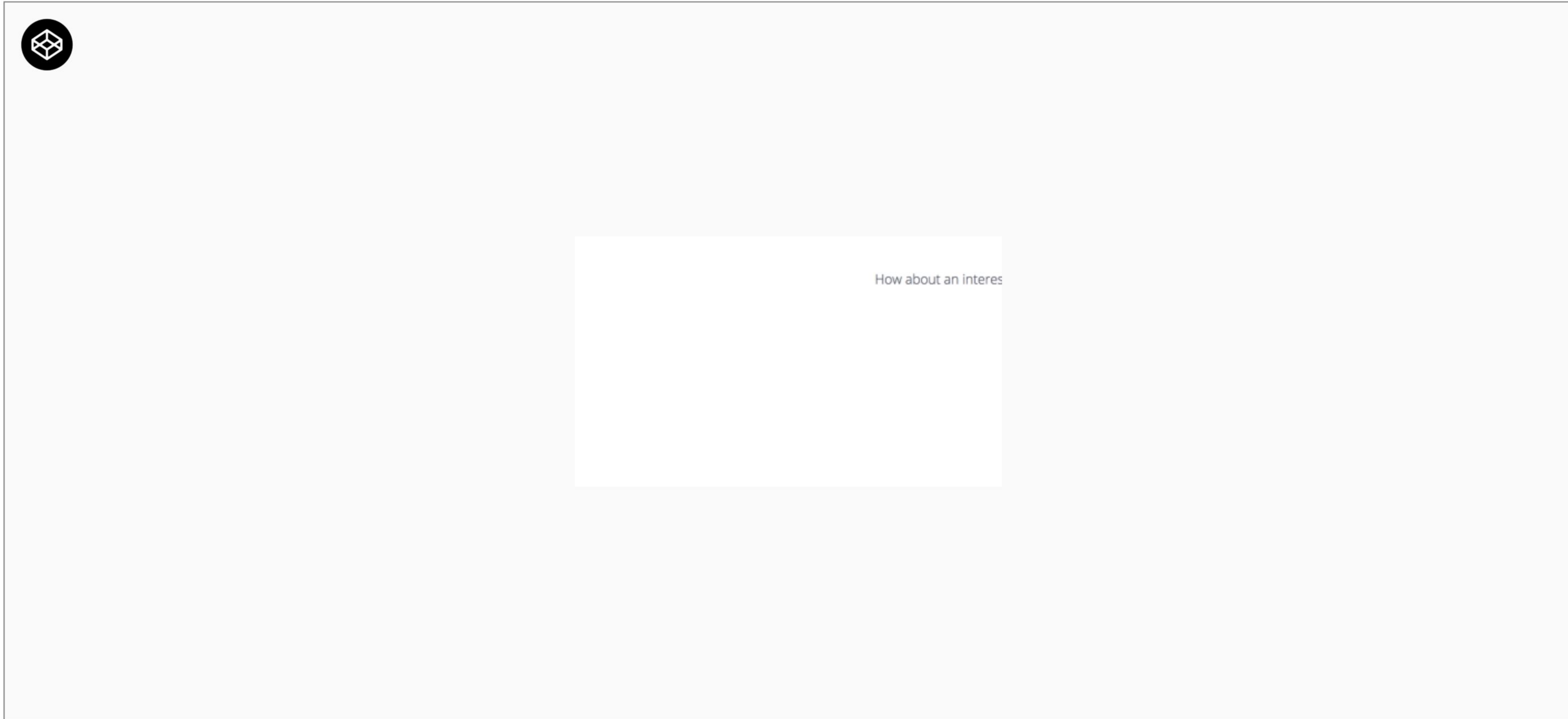
CLASSIC
Holiday
COLLECTIONS

ART. LOVE. COLOR

master class

Inspired by painter Yago Hortal's one-of-a-kind, vivid artwork, this set features 40 shades of color for cheeks and eyes. The panels easily pop in and out, making it perfectly portable for holiday trips. Smashbox partnered with breakthrough artist Yago Hortal to create these mega-vibrant, limited-edition kits featuring all of their bestsellers in a range of shades—from bold pops of color to always-flattering neutrals.

CSS Grid in action



Flexbox

What is Flexbox?

A **one-dimensional** layout model, and as a method that could offer space distribution between items in an interface and powerful alignment capabilities

The Two Axes of Flexbox

Main Axis & Cross Axis

Flexbox features properties that align and justify content along one axis or the other.

The Two Axes of Flexbox

The main axis is defined by flex-direction, which has four possible values:

row

row-reverse

column

column-reverse

The Main Axis

If you choose row or row-reverse, your main axis will run along the row in the inline direction.

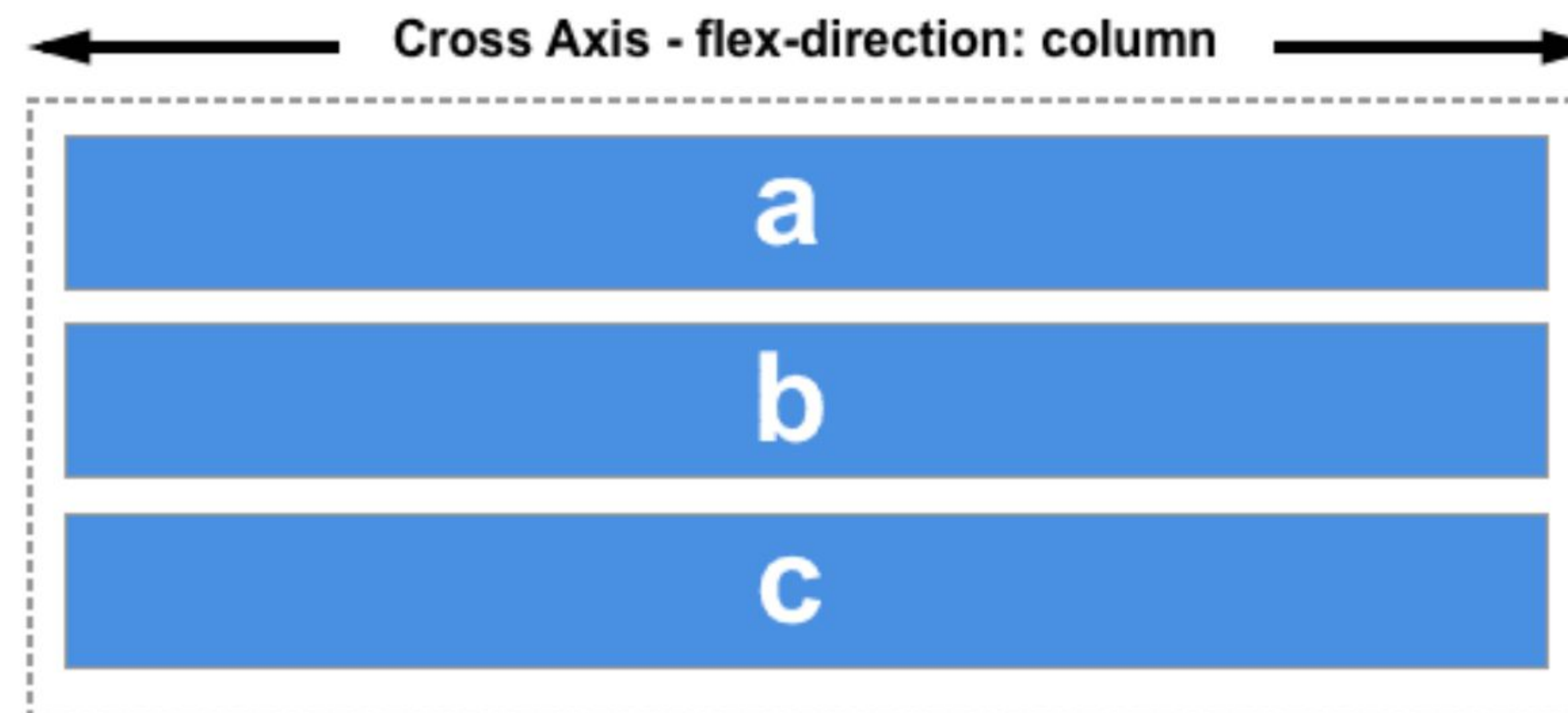


If column or column-reverse and your main axis will run from the top of the page to the bottom — in the block direction.



The Cross Axis

The cross axis runs perpendicular to the main axis, therefore if your flex-direction (main axis) is set to row or row-reverse the cross axis runs down the columns.



Grid vs Flexbox

Flexbox

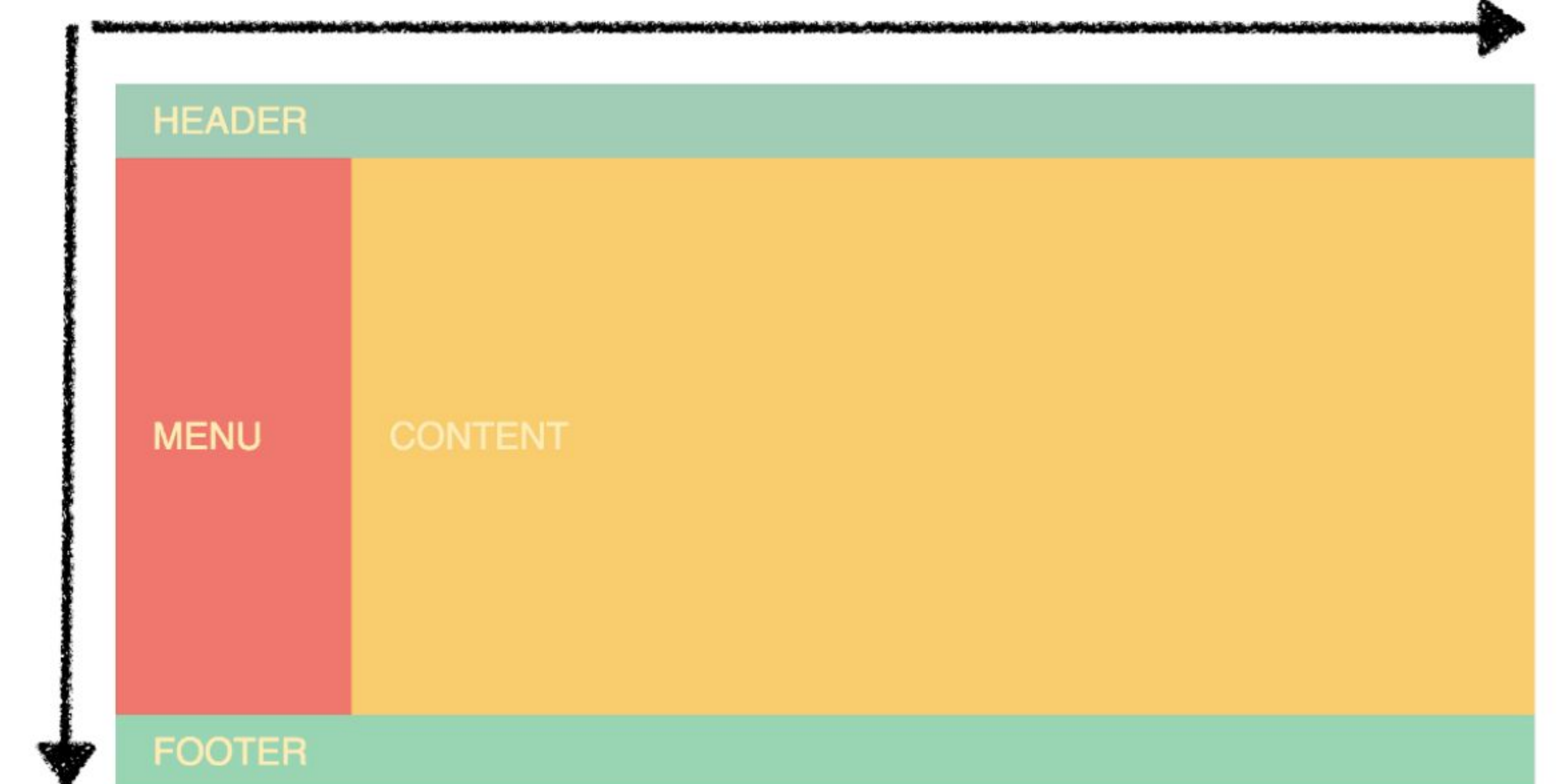
One dimension



Content-first

Grid

Two dimensions



Layout-first