

grid

Why CSS Grid

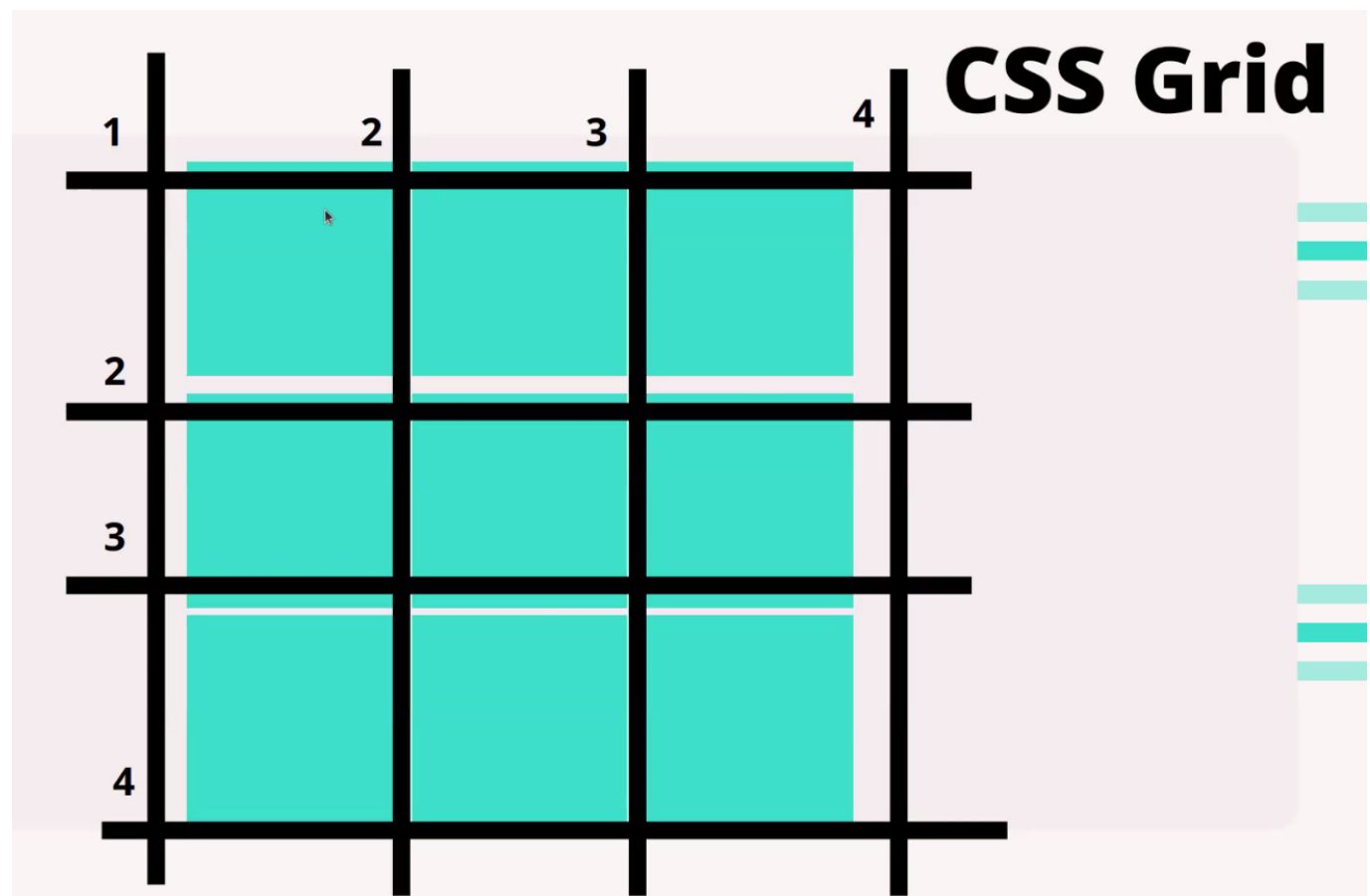
- PROVIDES A GRID LAYOUT SYSTEM FOR CSS
- SIMILAR TO FLEXBOX BUT MORE POWERFUL
- GRID ALLOWS 2D LAYOUTS
- NO FLOATS OR HACKS

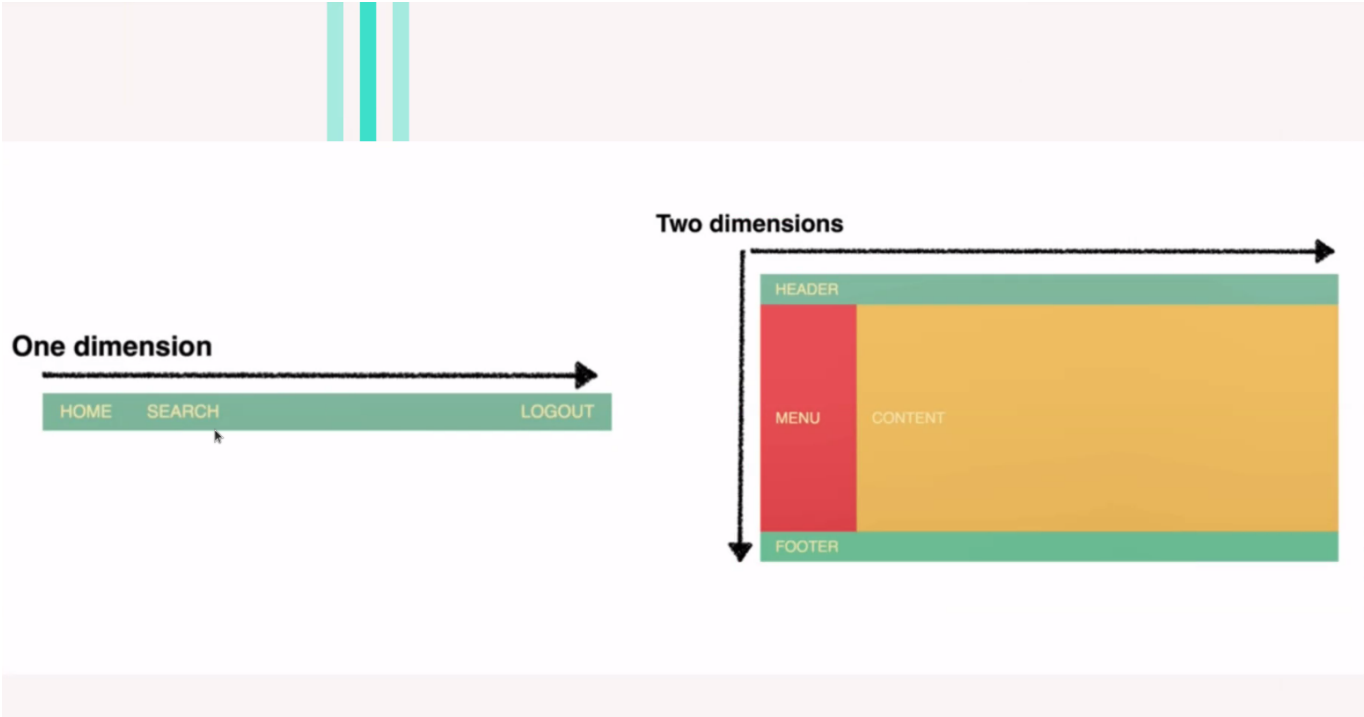
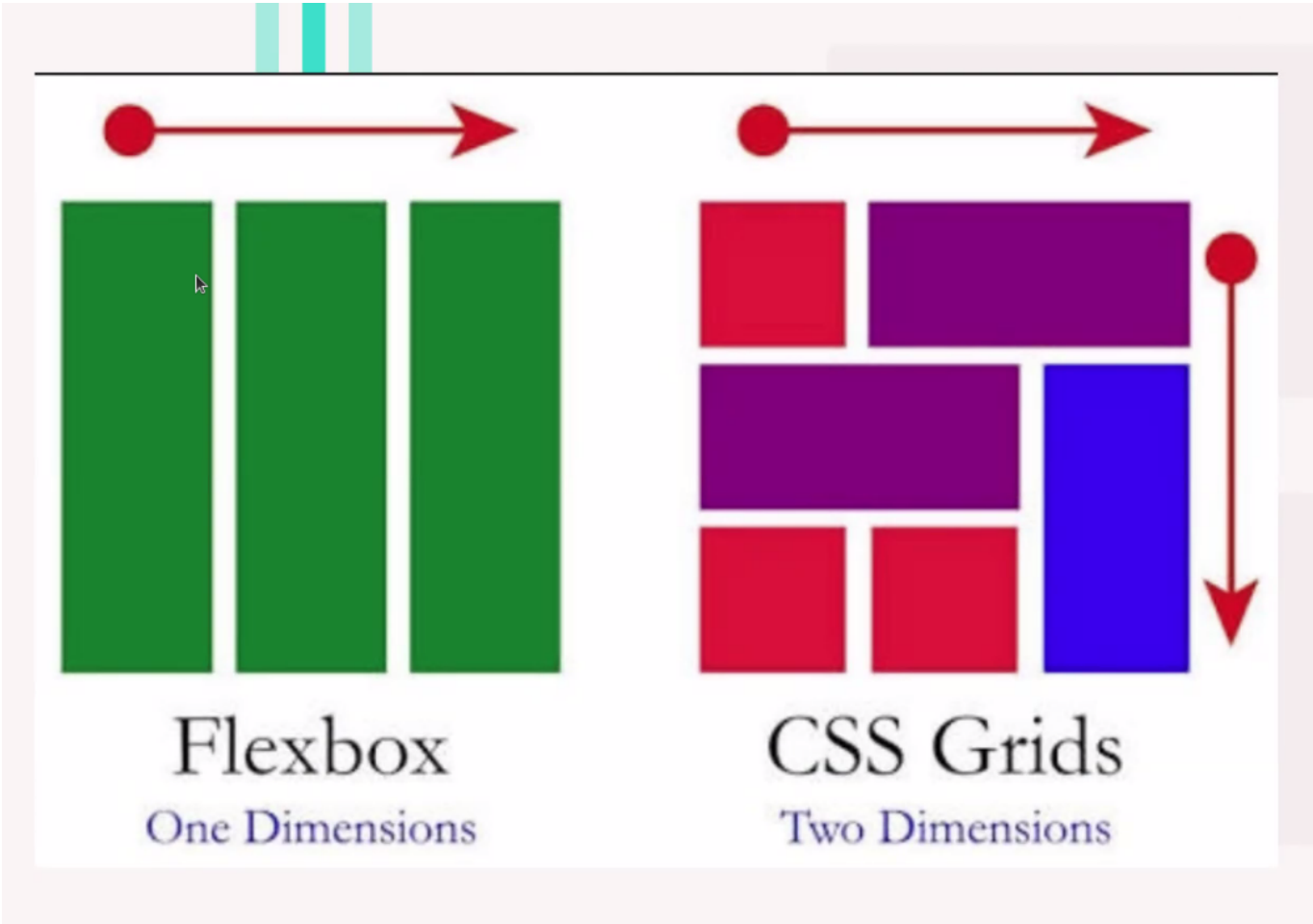
Grid Vs Flexbox

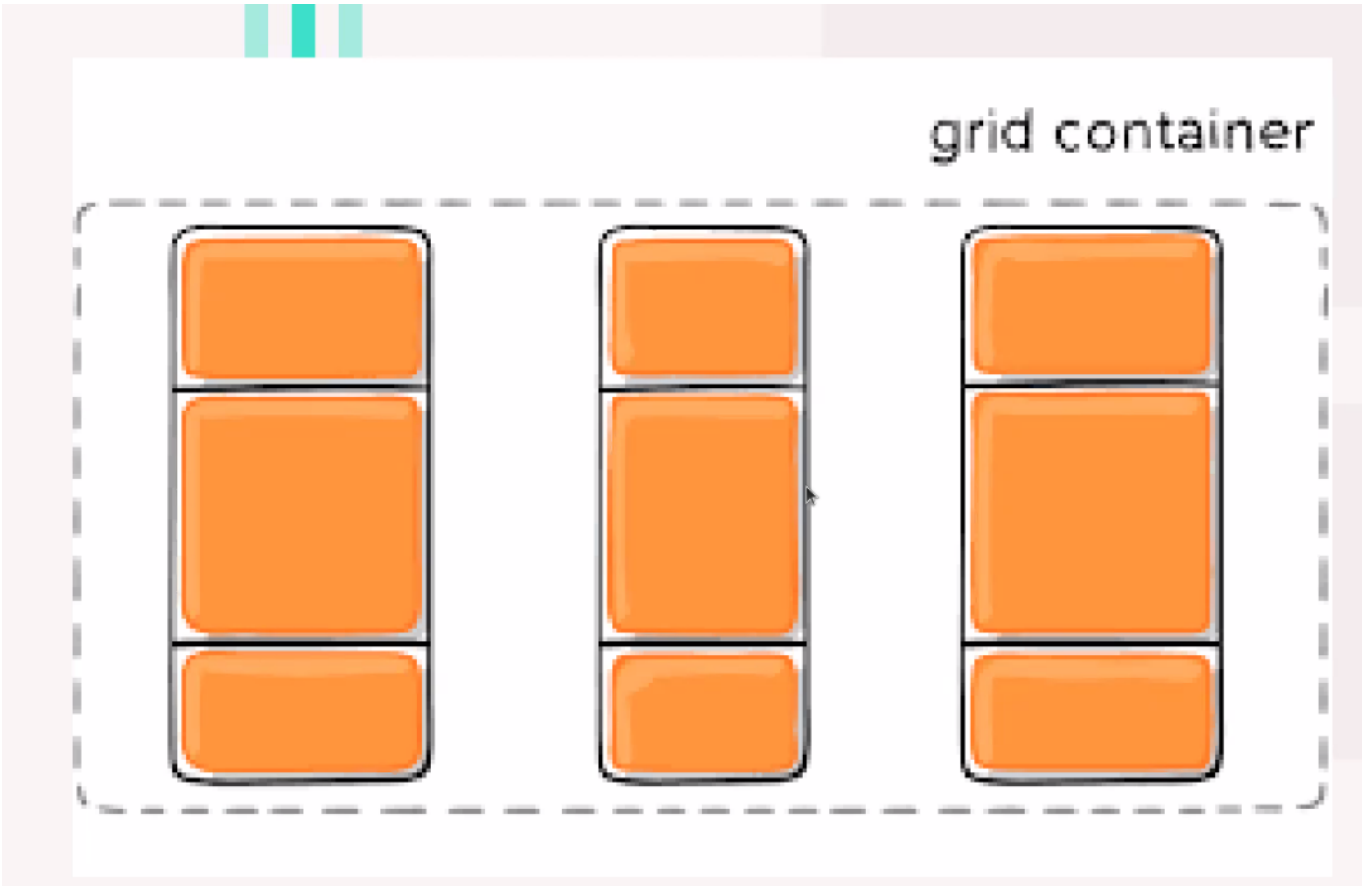
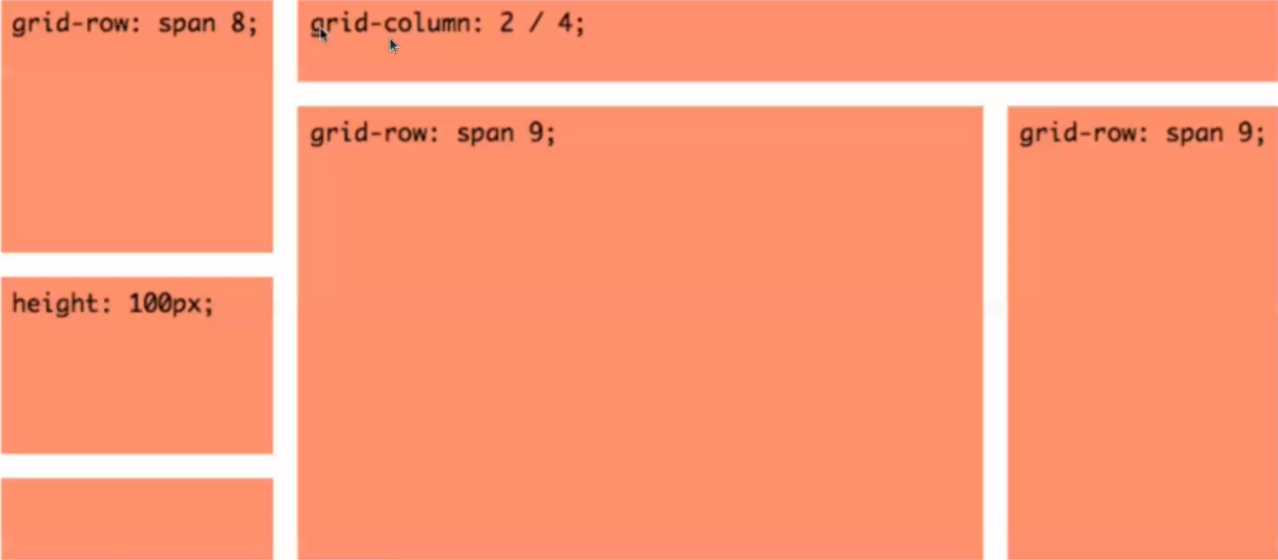
- THEY CAN BE USED TOGETHER - IT'S NOT ONE OR THE OTHER
- USE GRID FOR OUTER ELEMENTS AND GRID-LIKE LAYOUTS
- USE FLEX FOR SIMPLE ALIGNMENT (INNER ELEMENTS, MENU ITEMS, NAVBAR, ETC..)

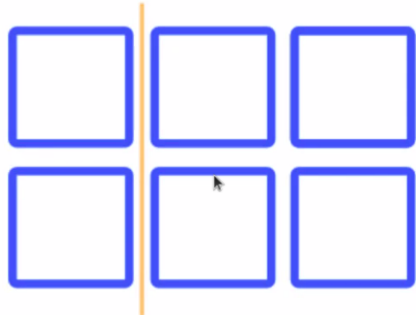
CSS Grid

- **DISPLAY: GRID; */ CREATES A GRID */**
- **ALL DIRECT CHILDREN ARE GRID ITEMS**
- **"GRID-TEMPLATE-COLUMNS" DEFINES WIDTH AND NUMBER OF COLS**

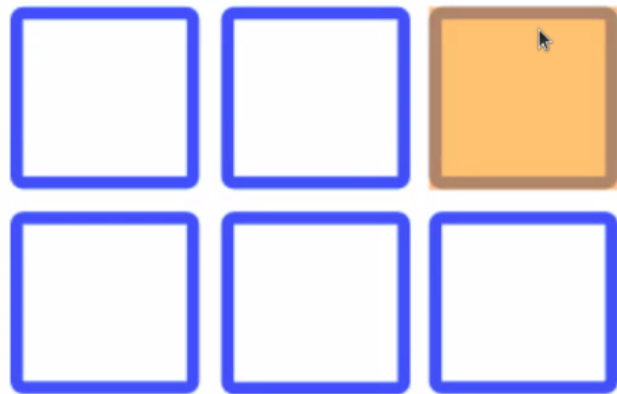




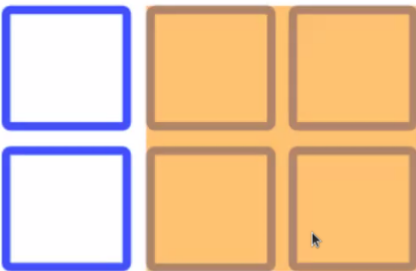




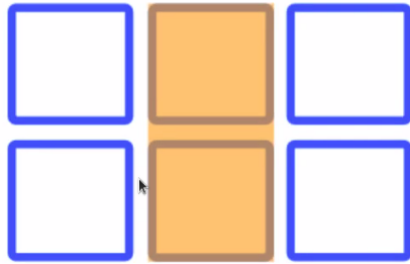
Grid lines
The vertical and horizontal lines that divide the grid and separate the columns and rows.



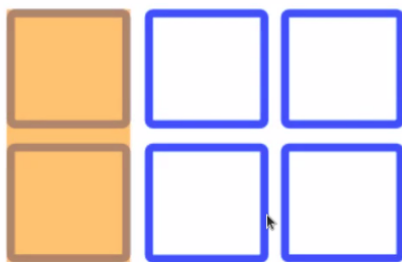
Grid cell
A single unit of a CSS grid.



Grid area
Rectangular space surrounded by four grid lines. A grid area can contain any number of grid cells.

**Grid track**

The space between two grid lines. This space can be horizontal or vertical

**Grid column**

A vertical track of a grid.

Grid Container Properties

- **DISPLAY**
- **GRID-TEMPLATE-COLUMNS**
- **GRID-TEMPLATE-ROWS**
- **GRID-TEMPLATE-AREAS**
- **GRID-TEMPLATE**
- **GRID-COLUMN-GAP**
- **GRID-ROW-GAP**
- **GRID-GAP**

- **JUSTIFY-ITEMS**
- **ALIGN-ITEMS**
- **PLACE-ITEMS**
- **JUSTIFY-CONTENT**
- **ALIGN-CONTENT**
- **PLACE-CONTENT**
- **GRID-AUTO-COLUMNS**
- **GRID-AUTO-ROWS**
- **GRID-AUTO-FLOW**
- **GRID**

Grid Item Properties

- **GRID-COLUMN-START**
- **GRID-COLUMN-END**
- **GRID-ROW-START**
- **GRID-ROW-END**
- **GRID-COLUMN**
- **GRID-ROW**
- **GRID-AREA**
- **JUSTIFY-SELF**
- **ALIGN-SELF**
- **PLACE-SELF**