



# CTD Intro Week 11

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CSS Layout





- **Relative units are preferred for responsiveness**
  - **em**: Relative to the font-size of the element
    - 2em means 2 times the size of the current font
  - **rem**: Relative to the font-size of the root element
  - **ch**: Relative to the width of the “0” (zero)
  - **vw**: Relative to 1% of the width of the viewport
  - **vh**: Relative to 1% of the height of the viewport
  - **vmin**: Relative to 1% of the viewport’s smaller dimension
  - **vmax**: Relative to 1% of the viewport’s larger dimension
  - **%**: Relative to the parent element
- **Absolute units (don’t work well with varying screen size)**
  - **cm**: Centimeters
  - **mm**: Millimeters
  - **in**: Inches (1in = 96px = 2.54cm)
  - **px**: Pixels (1px = 1/96th of 1in)
  - **pt**: Points (1pt = 1/72 of 1in)
  - **pc**: Picas (1pc = 12pt)

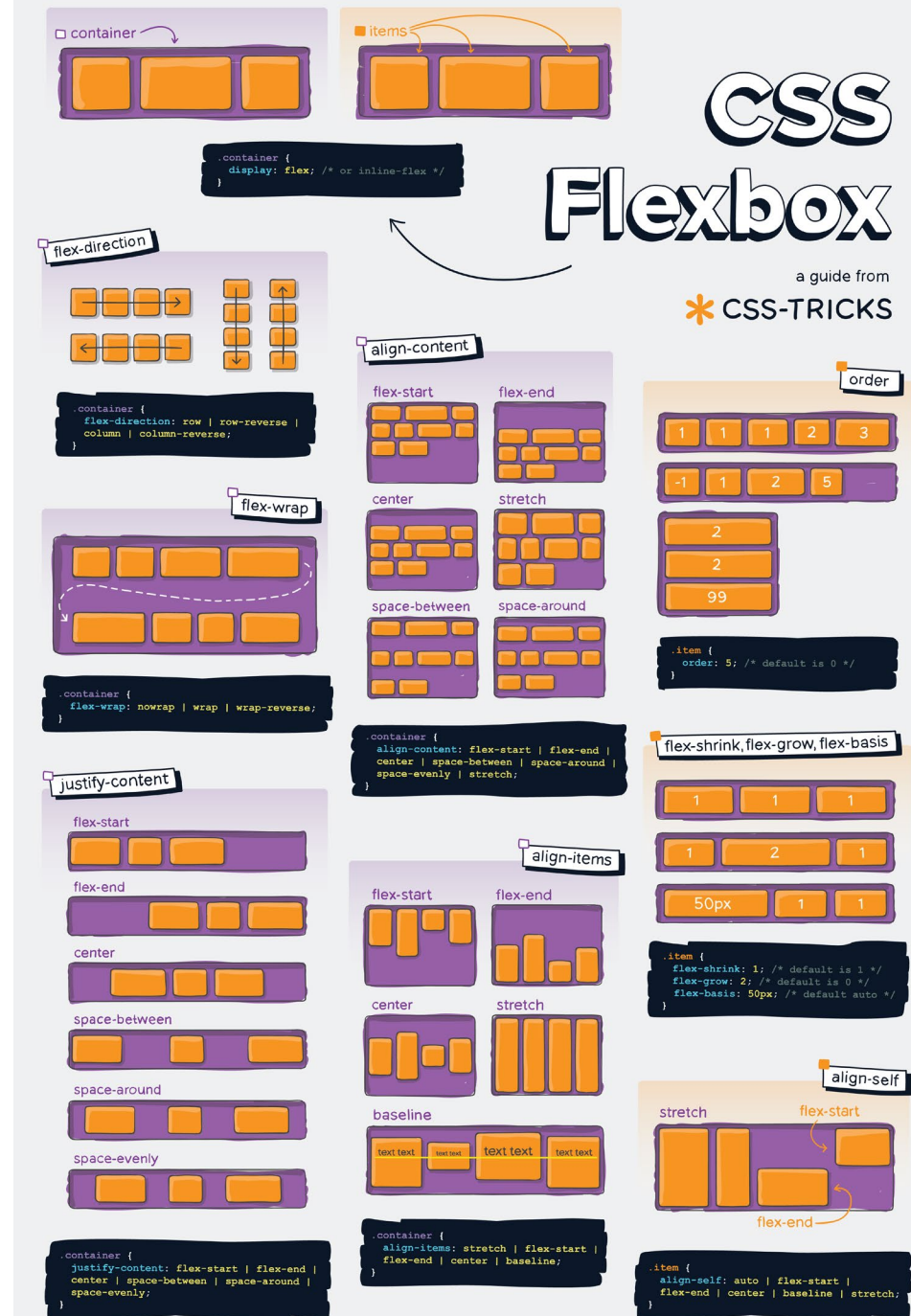


# Navigation Menu

- How to link within a page
  - Add an ID to each target
  - Reference the id in the href (e.g. #about)
- Make it sticky
  - Use css position and top specifications
- Make sure all of the target heading shows
  - Apply scroll-margin-top to each section
- Make width 100%
- Opaque background color
  - So scrolled content doesn't show through
  - Match body background

# Flexbox and CSS Grid

- Flexbox vs CSS grid
  - Flexbox is 1D
  - CSS Grid is 2D
- Grid for larger layouts
  - Full pages, landing pages...
- Flexbox for smaller scale layouts
  - e.g. nav menus
  - Specified via `display: flex` (not `flexbox`)
- They can be combined





# Media Queries

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- Mobile, Browser
- Example:
  - `@media only screen and (min-width: <some-width>px) {  
<any styling override> }`
- Testing/debugging media aware layouts
  - Right-click->Inspect
- For next week's lesson





# Questions

Previous lessons?