

# Web Technologies

## HTML/CSS



# Beautififier/Prettifier

- Atom: «atom-beautify»

# With style...

- **Internal, external and inline CSS**
- **Selectors, properties and values**
- **Specificity (id, classes, combination)**
- **Colors**
- **Fonts**

# CSS Selectors

```
a { color: blue; } /* Element */  
.wrapper { width: 100%; } /* Class */  
#content { margin-left: 1em; } /* ID */  
a:hover { text-decoration: underline; } /* Pseudo Class */  
div:before { content: "..."; } /* Pseudo Element */
```

# CSS Specificity



**a**

1 x element selector

Sith: **0, 0, 1**



**p a**

2 x element selectors

Sith: **0, 0, 2**



**.whatever**

1 x class selector

Sith: **0, 1, 0**



**a.whatever**

1 x element selector  
1 x class selector

Sith: **0, 1, 1**



**p a.whatever**

2 x element selectors  
1 x class selector

Sith: **0, 1, 2**



**.whatever .whatever**

2 x class selectors

Sith: **0, 2, 0**



**p.whatever a.whatever**

2 x element selectors  
2 x class selectors

Sith: **0, 2, 2**



**#whatever**

1 x id selector

Sith: **1, 0, 0**



**a#whatever**

1 x element selector  
1 x id selector

Sith: **1, 0, 1**



**.whatever a#whatever**

1 x element selectors  
1 x class selector  
1 x id selector

Sith: **1, 1, 1**



**.whatever .whatever #whatever**

2 x class selectors  
1 x id selector

Sith: **1, 2, 0**



**#whatever #whatever**

2 x id selectors

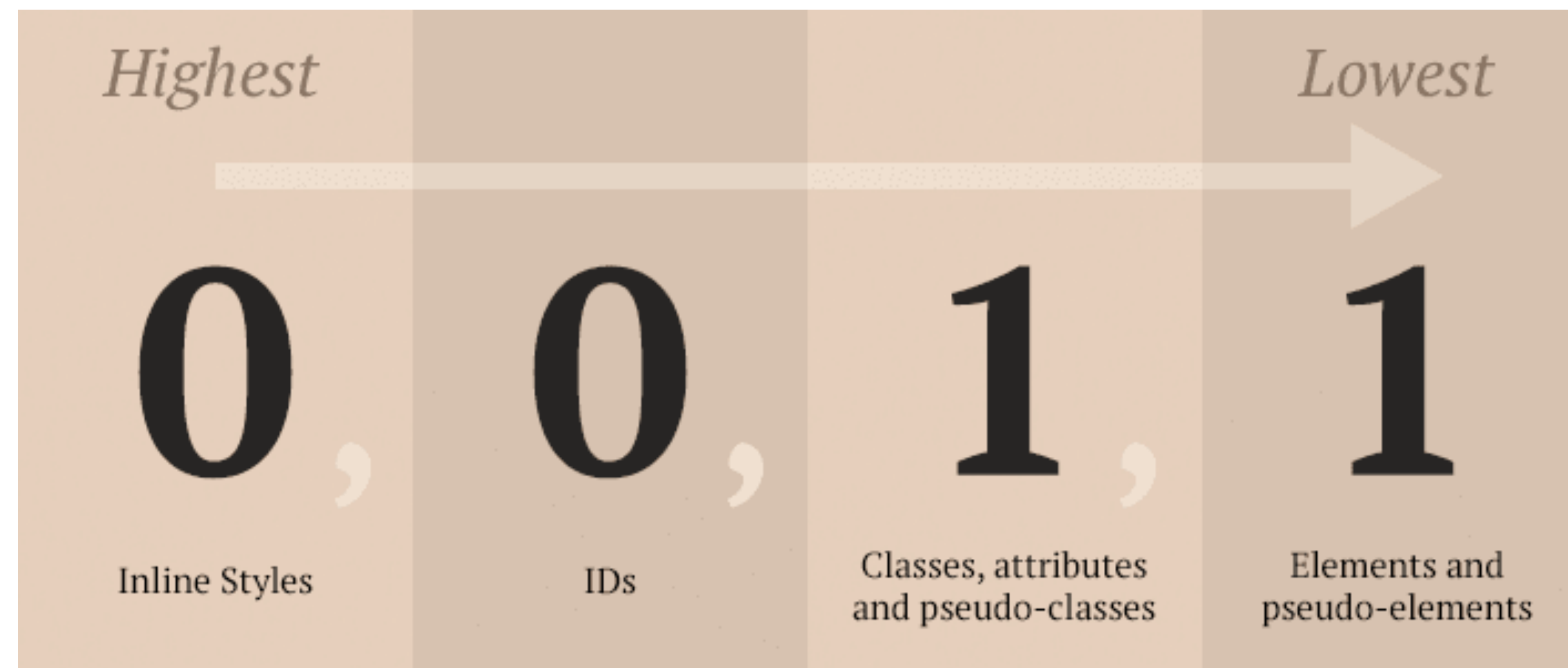
Sith: **2, 0, 0**

# CSS Specificity



**!important**

# CSS Specificity

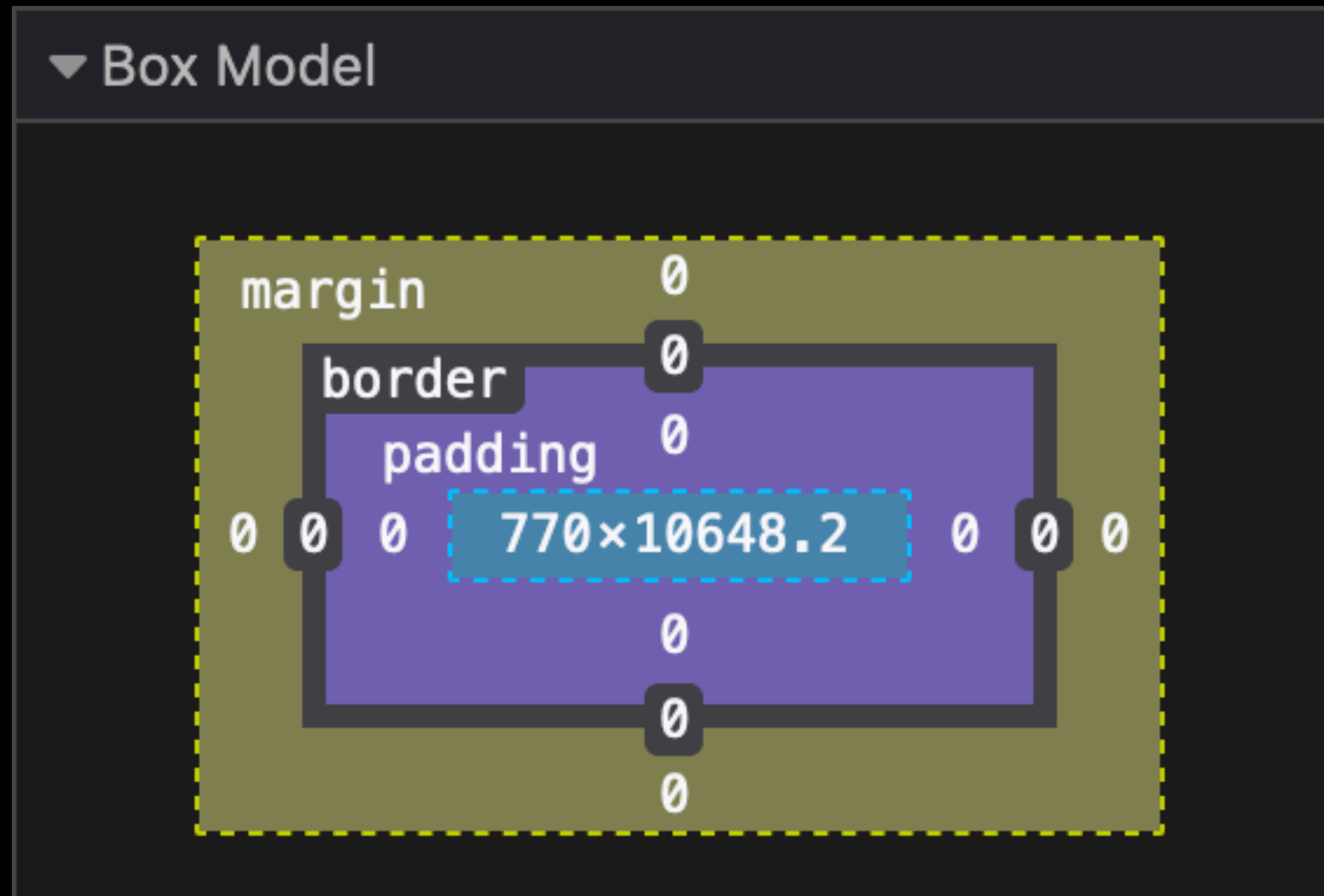




# HTML: Divs and the box model

- **The box-model**
  - **Padding, margin and border**
- **Div containers**
- **Flow and Floats**
- **Positioning**
  - **absolute, fixed, relative, static**

# Box Model



# Display

- **inline**

*No margins, padding, or float*

- **inline-block**

*Can add margins or padding. Will not cause wrap.*

- **block**

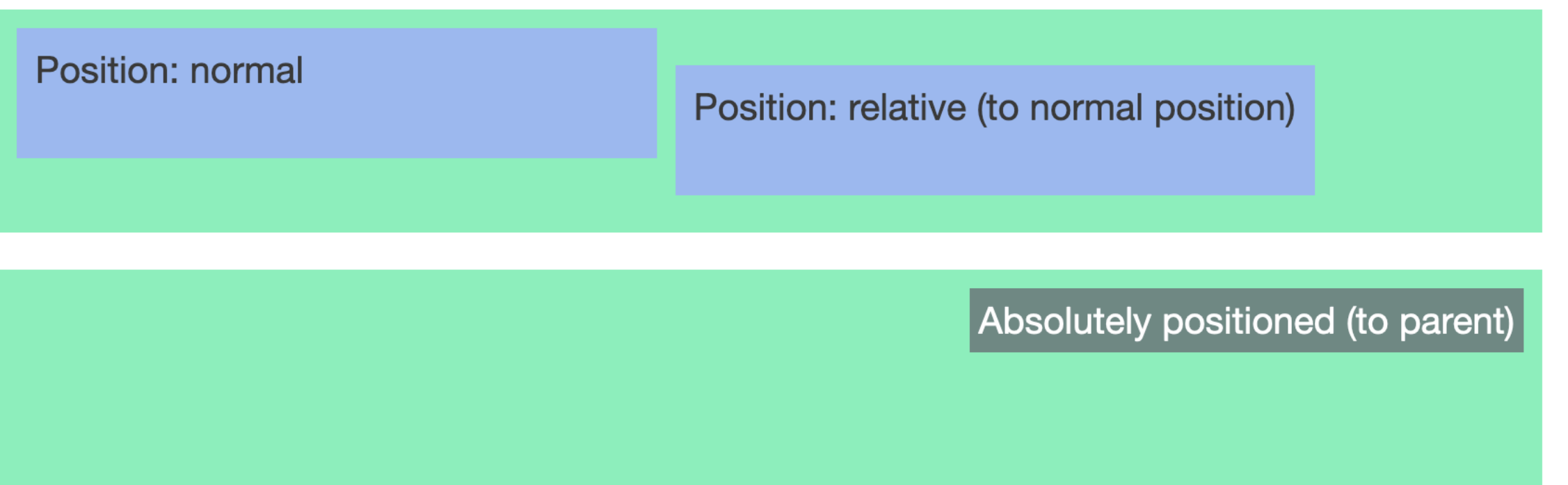
*Will cause wrap. Can float. Default width = 100%.*

# Flow & Float

- Article on [CSS-Tricks](#)
- Intro on mdn [«Introduction to CSS layout»](#)
- [Codepen: Float/Clear](#)

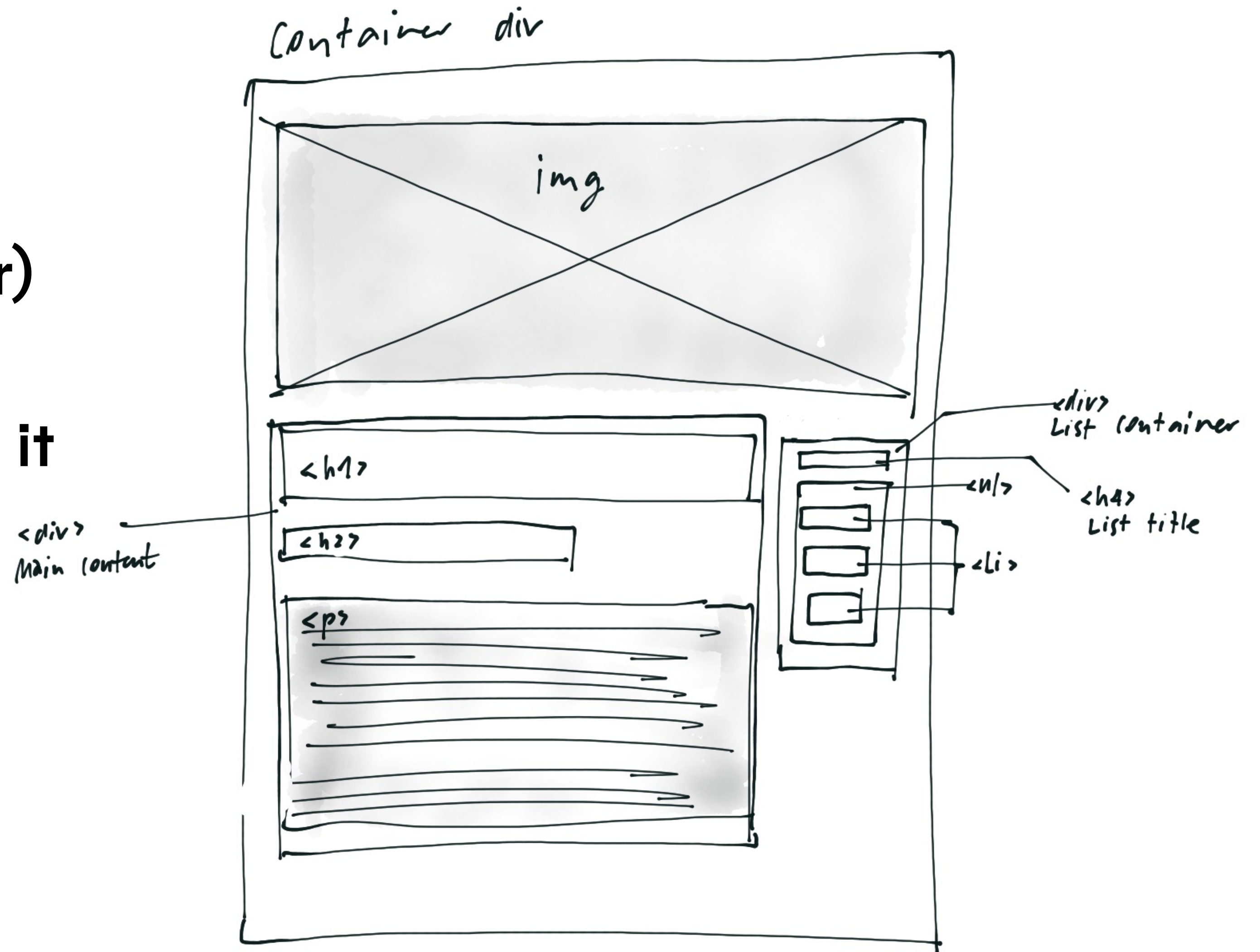
# Positioning

- Article about CSS Positions



# Try it out

- Sketch layout (on paper)
- «Wireframe»
- Write markup and style it



# Make it responsive

- **Mediaqueries**

```
24  /* Mobile-first approach: Starting with the lowest screen size (default)→
25  override rules as screens get bigger */→
26  ↵
27  @media (min-width: 720px) {↵
28  ↵
29  ↵
30  ↵
31  ↵
32  ↵
33  ↵
34  ↵
35  ↵
36  ↵
37  ↵
38  ↵
39  ↵
40  }↵
```