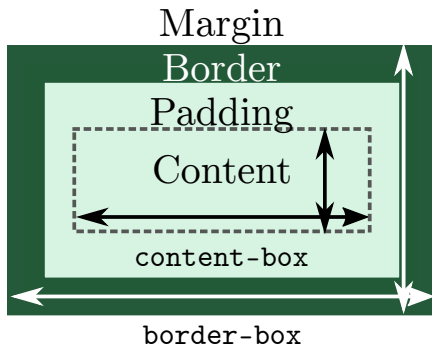




## BOX MODEL



## COMMON HTML TAGS

name      attribute(s)

↓           ↓

`<p class="my-class">` ← opening  
                                  Some text           ← contents  
`</p>` ← closing

## Paragraph

`<p>Paragraph of text</p>`

## Styling

`<em>Italic</em>` and  
`<strong>bold</strong>`

## Image

``

## Link “anchor”

`<a href="http://google.com/">`  
                                  Link to Google  
`</a>`

## Headers

`<h1>Huge</h1>` `<h2>Big</h2>`  
 ... `<h6>Small</h6>`

## Freeform

`<div></div>` (block)      and  
`<span></span>` (inline)

## Semantic

`<section>`, `<article>`, and  
 many more

## Comment

`<!-- This will be ignored! -->`

## CSS EXAMPLES

selector  
 ↓  
`p {` ← declaration block  
      `font-size: 16pt;`  
`}`  
          ↑            ↑  
      property      value

## Text

```
p {
  font-size: 16pt;
  text-align: center;
  color: green;
  font-family: "Arial";
  font-weight: bold;
  line-height: 20px;
}
```

## Sizing

```
div {
  height: 30px;
  width: 100%;
  margin-left: 20px;
  padding-top: 10px;
}
```

## Block styling

```
span {
  background: yellow;
  border: 2px dotted green;
  border-radius: 10px;
}
```

## CSS ANIMATION

## Animation &amp; transition

```
.Link {
  transition: color 1s,
             padding-left 3s;
}
.Link:hover {
  color: green;
  padding-left: 20px;
}
```

## Positioning &amp; display tricks

```
/* Image floating in text */
img { float: left; }

/* Display as wide block */
.a { display: block; }

/* Wrap inline with text */
.b { display: inline; }

/* Stack adjacently */
.c { display: inline-block; } }
```

## GRID CONTAINER

Use `display: grid` and specify columns/rows.

grid-template-columns    grid-template-rows

	1fr 1fr 1fr	1fr 1fr 1fr
	50px auto 50px	50px auto 90px
	20% 20% auto	100px auto 20%

```
.Container {
  display: grid;
  grid-template-columns: 50px auto 50px;
  grid-template-rows: 50px auto 90px;
}
```

## GRID CHILD POSITIONING

Optional: Child elements can be custom positioned and sized.

	grid-column	grid-row
	2 / 3	
	2 / span 2	
		1 / 3
	1 / span 2	1 / span 2

```
.ChildElement {
  grid-column: 1 / span 2;
  grid-row: 1 / span 2;
}
```

## CSS SELECTORS

Tag    `div { color: blue; }`

Class `.class-name { color: blue; }`

ID    `#id_name { color: blue; }`

## Containment

```
/* Match all divs in #a */
#a div { color: blue; }
/* Divs immediately in #b */
#b > div { color: blue; }
/* Wildcard: match all in #c */
#c > * { color: blue; }
```

## Pseudo-elements

```
h1:before {
  content: "-";
  color: blue;
}
```



## Pseudo-classes

```
/* First p margin */
p:nth-child(1) {
    margin-left: 10px;
}
/* Striped table rows */
tr:nth-child(odd) {
    background: gray;
}
```