



CSS CHEAT SHEET: SELECTORS

- ▶ Cascading Style Sheets
- ▶ Select elements, then add CSS rules
- ▶ Add file with `<link>` in HTML head
- ▶ Apply fonts, colors, other styles to HTML elements
- ▶ Control element size, layout, and positioning
- ▶ Responsive design

CSS RULES

Syntax: `selector {
 property: value;
 property: value;
}`

Example: `h1 {
 color: gold;
 font-size: 10em;
}`

BASIC SELECTOR TYPES

Tag	HTML: <code><p>Once upon a time...</p></code> CSS: <code>p {}</code>
Class	HTML: <code><li class="cls1 cls2"></code> CSS: <code>.cls2 {}</code>
ID	HTML: <code><li id="about"></code> CSS: <code>#about {}</code>

OTHER SELECTORS

Combination	<code>li.featured {}</code>
Descendant	<code>article .intro {}</code>
Universal	<code>* {}</code>
Multiple	<code>h1, h2 {}</code>
Direct Child	<code>p > a {}</code>
Pseudo-class	<code>a:hover</code>
Pseudo-element	<code>#brand::before</code>

SOME PSEUDO-CLASSES

<code>:hover</code>	<i>Element with mouse over it</i>
<code>:focus</code>	<i>Element with focus (input)</i>
<code>:active</code>	<i>Active element</i>

SOME PSEUDO-ELEMENTS

<code>::before</code>	<i>Virtual first child of an element</i>
<code>::after</code>	<i>Virtual last child of element</i>
<code>:first-letter</code>	<i>First letter of element</i>

SPECIFICITY

Most to least specific:

1. Any inline style
2. ID
3. Class, attribute, or pseudo-class
3. Tag or pseudo-element

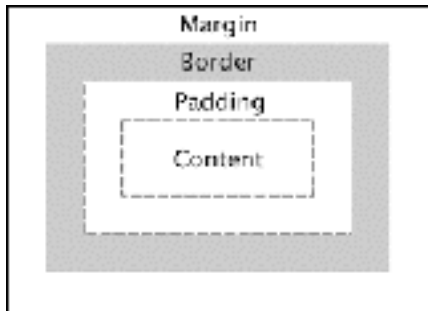
Notes:

- **!important** rules always apply, ignoring specificity. Avoid!
- If two or more rules for an element have the same specificity, the last one will apply.



CSS: BOX MODEL & LAYOUT

BOX MODEL



BOX MODEL PROPERTIES

margin (shorthand)	<i>top, right, bottom, left</i> margin: 10px 15px 20px 5px;
------------------------------	--

margin-top margin-right margin-bottom margin-left	<i>length</i> margin-top: 20px;
--	------------------------------------

padding (shorthand)	<i>top, right, bottom, left</i> padding: 10px 15px 20px 5px;
-------------------------------	---

padding-top padding-right padding-bottom padding-left	<i>length</i> padding-top: 20px;
--	-------------------------------------

border (shorthand)	<i>width style color</i> border: 2px solid black;
------------------------------	--

border-top border-right border-bottom border-left	<i>width style color</i> border-top: 1px solid black;
--	--

border-radius	<i>top-right, bottom-right, bottom-left, top-left</i> <i>border-radius: 5px;</i>
----------------------	---

height	<i>length</i> height: 20px;
---------------	--------------------------------

width	<i>length</i> width: 200px;
--------------	--------------------------------

LAYOUT PROPERTIES

clear	<i>left right both none</i>
--------------	-----------------------------------

float	<i>left right none</i>
--------------	----------------------------

display	<i>inline inline-block block none</i>
----------------	---

DISPLAY PROPERTY VALUES

inline	<i>Make a block-level element act like an inline element.</i>
---------------	---

inline-block	<i>Make a block-level element flow like an inline element, while retaining width, height, padding, and margin.</i>
---------------------	--

block	<i>Make an inline element act like a block-level element</i>
--------------	--

none	<i>Hide an element from the page.</i>
-------------	---------------------------------------



CSS: MORE PROPERTIES

COLOR AND BACKGROUND PROPERTIES

color	<i>css color unit (hex, rgb, hsl, etc.)</i> color: #ff0000;
background-color	<i>css color unit (hex, rgb, hsl, etc.)</i> color: #ff0000;
background-image	<i>url(actual url here)</i> <i>url("images/tree.png")</i>

COLOR UNITS

Hex code: #FF0000
RGB: rgb(255, 0, 0)
RGBA: rgba(255, 0, 0, .25)
HSL: hsl(0, 100%, 50%)
HSLA: hsla(0, 100%, 50%, .5)
Keyword: red

TEXT PROPERTIES

text-align	<i>left, right, center, justify</i> text-align: center;
text-decoration	<i>none, underline, line-through</i> text-decoration: none;
text-transform	<i>none, capitalize, uppercase, lowercase</i> text-transform: capitalize;
line-height	<i>number(1.5), length(20px)</i> line-height: 1.5;

font-weight	<i>normal, bold, number</i> font-weight: 500;
font-style	<i>normal, italic, oblique</i> font-style: italic;
font-family	<i>family name, serif, sans-serif</i> font-family: 'Open Sans', sans-serif;
font-size	<i>size(12px, 1.2em, etc.)</i> font-size: 16px;

POSITIONING PROPERTIES

position	<i>static relative fixed absolute</i>
z-index	<i>number</i>
top	<i>% length(px or em)</i>
right	<i>% length(px or em)</i>
bottom	<i>% length(px or em)</i>
left	<i>% length(px or em)</i>