<https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Selectors>

**Basic Selectors:**

[**Universal selector**](https://developer.mozilla.org/en-US/docs/Web/CSS/Universal_selectors)

Selects all elements. Optionally, it may be restricted to a specific namespace or to all namespaces.  
**Syntax:** \* *ns*|\* \*|\*  
**Example:** \* will match all the elements of the document.

[**Type selector**](https://developer.mozilla.org/en-US/docs/Web/CSS/Type_selectors)

Selects all elements that have the given node name.  
**Syntax:** *elementname*  
**Example:** input will match any [<input>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input) element.

[**Class selector**](https://developer.mozilla.org/en-US/docs/Web/CSS/Class_selectors)

Selects all elements that have the given class attribute.  
**Syntax:** .*classname*  
**Example:** .index will match any element that has a class of "index".

[**ID selector**](https://developer.mozilla.org/en-US/docs/Web/CSS/ID_selectors)

Selects an element based on the value of its id attribute. There should be only one element with a given ID in a document.  
**Syntax:** #*idname*  
**Example:** #toc will match the element that has the ID "toc".

[**Attribute selector**](https://developer.mozilla.org/en-US/docs/Web/CSS/Attribute_selectors)

Selects all elements that have the given attribute.  
**Syntax:** [*attr*] [*attr*=*value*] [*attr*~=*value*] [*attr*|=*value*] [*attr*^=*value*] [*attr*$=*value*] [*attr*\*=*value*]  
**Example:** [autoplay] will match all elements that have the autoplay attribute set (to any value).

Attribute selector Example1:

<ul>

<li><a href="#internal">Internal link</a></li>

<li><a href="http://example.com">Example link</a></li>

<li><a href="#InSensitive">Insensitive internal link</a></li>

<li><a href="http://example.org">Example org link</a></li>

</ul>

<style>

a { color: blue;}

/\* Internal links, beginning with "#" \*/

a[href^="#"] {

background-color: gold;

}

/\* Links with "example" anywhere in the URL \*/

a[href\*="example"] {

background-color: silver;

}

/\* Links with "insensitive" anywhere in the URL, regardless of capitalization \*/

a[href\*="insensitive" i] {

color: cyan;

}

/\* Links with "cAsE" anywhere in the URL, with matching capitalization \*/

a[href\*="cAsE" s] {

color: pink;

}

/\* Links that end in ".org" \*/

a[href$=".org"] {

color: red;

}

</style>

Attribute selector Example2:

<div lang="en-us en-gb en-au en-nz">Hello World!</div>

<div lang="pt">Olá Mundo!</div>

<div lang="zh-CN">世界您好！</div>

<div lang="zh-TW">世界您好！</div>

<div data-lang="zh-TW">世界您好！</div>

<style>

/\* All divs with a `lang` attribute are bold. \*/

div[lang] {

font-weight: bold;

}

/\* All divs in US English are blue. \*/

div[lang~="en-us"] {

color: blue;

}

/\* All divs in Portuguese are green. \*/

div[lang="pt"] {

color: green;

}

/\* All divs in Chinese are red, whether simplified (zh-CN) or traditional (zh-TW). \*/

div[lang|="zh"] {

color: red;

}

/\* All divs with a Traditional Chinese `data-lang` are purple. \*/

/\* Note: You could also use hyphenated attributes without double quotes \*/

div[data-lang="zh-TW"] {

color: purple;

}

</style>

Attribute selector Example3:

<ol type="A">

<li>Example list</li>

</ol>

<style>

/\* List types require the case sensitive flag due to a quirk in how HTML treats the type attribute. \*/

ol[type="a"] {

list-style-type: lower-alpha;

background: red;

}

ol[type="a" s] {

list-style-type: lower-alpha;

background: lime;

}

ol[type="A" s] {

list-style-type: upper-alpha;

background: lime;

}

</style>

**Combinators**

[**Descendant combinator**](https://developer.mozilla.org/en-US/docs/Web/CSS/Descendant_combinator)

The   (space) combinator **selects** nodes that are descendants of the first element.  
**Syntax:** *A* *B*  
**Example:** div span will match all [<span>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/span) elements that are inside a [<div>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/div) element.

[**Child combinator**](https://developer.mozilla.org/en-US/docs/Web/CSS/Child_combinator)

The **> combinator selects** nodes that are **direct children of the first element**.  
**Syntax:** *A* > *B*  
**Example:** ul > li will match all [<li>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/li) elements that are nested directly inside a [<ul>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ul) element.

[**General sibling combinator**](https://developer.mozilla.org/en-US/docs/Web/CSS/General_sibling_combinator)

The **~ combinator selects siblings**. This means that the second element follows the first (though not necessarily immediately), and both share the same parent.  
**Syntax:** *A* ~ *B*  
**Example:** p ~ span will match all [<span>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/span) elements that follow a [<p>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/p), immediately or not.

<span>~~This is not red~~.</span>

<p>Here is a paragraph.</p>

<code>Here is some code.</code>

<span>**And here is a red span!**</span>

<code>More code...</code>

<span>**And this is a red span!**</span>

<style>

p ~ span {

color: red;

}

</style>

[**Adjacent sibling combinator**](https://developer.mozilla.org/en-US/docs/Web/CSS/Adjacent_sibling_combinator)

The + combinator selects adjacent siblings. This means that the **second element directly follows the first**, and both share the same parent.  
**Syntax:** *A* + *B*  
**Example:** h2 + p will match all [<p>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/p) elements that directly follow an [<h2>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/h2).

<ul>

<li>One</li>

<li>**Two!**</li>

<li>Three</li>

</ul>

<style>

li:first-of-type + li {

color: red;

}

</style>

[**Column combinator**](https://developer.mozilla.org/en-US/docs/Web/CSS/Column_combinator)

The || combinator selects nodes which belong to a column.  
**Syntax:** *A* || *B*  
**Example:** col || td will match all [<td>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/td) elements that belong to the scope of the [<col>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/col).

Pseudo-classes

[:active](https://developer.mozilla.org/en-US/docs/Web/CSS/:active)

[:any-link](https://developer.mozilla.org/en-US/docs/Web/CSS/:any-link)

[:checked](https://developer.mozilla.org/en-US/docs/Web/CSS/:checked)

[:blank](https://developer.mozilla.org/en-US/docs/Web/CSS/:blank)

[:default](https://developer.mozilla.org/en-US/docs/Web/CSS/:default)

[:defined](https://developer.mozilla.org/en-US/docs/Web/CSS/:defined)

[:dir()](https://developer.mozilla.org/en-US/docs/Web/CSS/:dir)

[:disabled](https://developer.mozilla.org/en-US/docs/Web/CSS/:disabled)

[:empty](https://developer.mozilla.org/en-US/docs/Web/CSS/:empty)

[:enabled](https://developer.mozilla.org/en-US/docs/Web/CSS/:enabled)

[:first](https://developer.mozilla.org/en-US/docs/Web/CSS/:first)

[:first-child](https://developer.mozilla.org/en-US/docs/Web/CSS/:first-child)

[:first-of-type](https://developer.mozilla.org/en-US/docs/Web/CSS/:first-of-type)

[:fullscreen](https://developer.mozilla.org/en-US/docs/Web/CSS/:fullscreen)

[:focus](https://developer.mozilla.org/en-US/docs/Web/CSS/:focus)

[:focus-visible](https://developer.mozilla.org/en-US/docs/Web/CSS/:focus-visible)

[:focus-within](https://developer.mozilla.org/en-US/docs/Web/CSS/:focus-within)

[:has()](https://developer.mozilla.org/en-US/docs/Web/CSS/:has)

[:host()](https://developer.mozilla.org/en-US/docs/Web/CSS/:host())

[:host-context()](https://developer.mozilla.org/en-US/docs/Web/CSS/:host-context())

[:hover](https://developer.mozilla.org/en-US/docs/Web/CSS/:hover)

[:indeterminate](https://developer.mozilla.org/en-US/docs/Web/CSS/:indeterminate)

[:in-range](https://developer.mozilla.org/en-US/docs/Web/CSS/:in-range)

[:invalid](https://developer.mozilla.org/en-US/docs/Web/CSS/:invalid)

[:is() (:matches(), :any())](https://developer.mozilla.org/en-US/docs/Web/CSS/:is)

[:lang()](https://developer.mozilla.org/en-US/docs/Web/CSS/:lang)

[:last-child](https://developer.mozilla.org/en-US/docs/Web/CSS/:last-child)

[:last-of-type](https://developer.mozilla.org/en-US/docs/Web/CSS/:last-of-type)

[:left](https://developer.mozilla.org/en-US/docs/Web/CSS/:left)

[:link](https://developer.mozilla.org/en-US/docs/Web/CSS/:link)

[:not()](https://developer.mozilla.org/en-US/docs/Web/CSS/:not)

[:nth-child()](https://developer.mozilla.org/en-US/docs/Web/CSS/:nth-child)

[:nth-last-child()](https://developer.mozilla.org/en-US/docs/Web/CSS/:nth-last-child)

[:nth-last-of-type()](https://developer.mozilla.org/en-US/docs/Web/CSS/:nth-last-of-type)

[:nth-of-type()](https://developer.mozilla.org/en-US/docs/Web/CSS/:nth-of-type)

[:only-child](https://developer.mozilla.org/en-US/docs/Web/CSS/:only-child)

[:only-of-type](https://developer.mozilla.org/en-US/docs/Web/CSS/:only-of-type)

[:optional](https://developer.mozilla.org/en-US/docs/Web/CSS/:optional)

[:out-of-range](https://developer.mozilla.org/en-US/docs/Web/CSS/:out-of-range)

[:placeholder-shown](https://developer.mozilla.org/en-US/docs/Web/CSS/:placeholder-shown)

[:read-only](https://developer.mozilla.org/en-US/docs/Web/CSS/:read-only)

[:read-write](https://developer.mozilla.org/en-US/docs/Web/CSS/:read-write)

[:required](https://developer.mozilla.org/en-US/docs/Web/CSS/:required)

[:right](https://developer.mozilla.org/en-US/docs/Web/CSS/:right)

[:root](https://developer.mozilla.org/en-US/docs/Web/CSS/:root)

[:scope](https://developer.mozilla.org/en-US/docs/Web/CSS/:scope)

[:target](https://developer.mozilla.org/en-US/docs/Web/CSS/:target)

[:valid](https://developer.mozilla.org/en-US/docs/Web/CSS/:valid)

[:visited](https://developer.mozilla.org/en-US/docs/Web/CSS/:visited)

[:where()](https://developer.mozilla.org/en-US/docs/Web/CSS/:where)

Pseudo-elements

[::-moz-progress-bar](https://developer.mozilla.org/en-US/docs/Web/CSS/::-moz-progress-bar)

[::-moz-range-progress](https://developer.mozilla.org/en-US/docs/Web/CSS/::-moz-range-progress)

[::-moz-range-thumb](https://developer.mozilla.org/en-US/docs/Web/CSS/::-moz-range-thumb)

[::-moz-range-track](https://developer.mozilla.org/en-US/docs/Web/CSS/::-moz-range-track)

[::-ms-browse](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-browse)

[::-ms-check](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-check)

[::-ms-clear](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-clear)

[::-ms-expand](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-expand)

[::-ms-fill](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-fill)

[::-ms-fill-lower](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-fill-lower)

[::-ms-fill-upper](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-fill-upper)

[::-ms-reveal](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-reveal)

[::-ms-thumb](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-thumb)

[::-ms-ticks-after](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-ticks-after)

[::-ms-ticks-before](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-ticks-before)

[::-ms-tooltip](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-tooltip)

[::-ms-track](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-track)

[::-ms-value](https://developer.mozilla.org/en-US/docs/Web/CSS/::-ms-value)

[::-webkit-progress-bar](https://developer.mozilla.org/en-US/docs/Web/CSS/::-webkit-progress-bar)

[::-webkit-progress-value](https://developer.mozilla.org/en-US/docs/Web/CSS/::-webkit-progress-value)

[::-webkit-slider-runnable-track](https://developer.mozilla.org/en-US/docs/Web/CSS/::-webkit-slider-runnable-track)

[::-webkit-slider-thumb](https://developer.mozilla.org/en-US/docs/Web/CSS/::-webkit-slider-thumb)

[::after (:after)](https://developer.mozilla.org/en-US/docs/Web/CSS/::after)

[::backdrop](https://developer.mozilla.org/en-US/docs/Web/CSS/::backdrop)

[::before (:before)](https://developer.mozilla.org/en-US/docs/Web/CSS/::before)

[::cue](https://developer.mozilla.org/en-US/docs/Web/CSS/::cue)

[::first-letter (:first-letter)](https://developer.mozilla.org/en-US/docs/Web/CSS/::first-letter)

[::first-line (:first-line)](https://developer.mozilla.org/en-US/docs/Web/CSS/::first-line)

[::grammar-error](https://developer.mozilla.org/en-US/docs/Web/CSS/::grammar-error)

[::marker](https://developer.mozilla.org/en-US/docs/Web/CSS/::marker)

[::part()](https://developer.mozilla.org/en-US/docs/Web/CSS/::part)

[::placeholder](https://developer.mozilla.org/en-US/docs/Web/CSS/::placeholder)

[::selection](https://developer.mozilla.org/en-US/docs/Web/CSS/::selection)

[::slotted()](https://developer.mozilla.org/en-US/docs/Web/CSS/::slotted)

[::spelling-error](https://developer.mozilla.org/en-US/docs/Web/CSS/::spelling-error)