

REF #1 Advanced CSS Selectors

- Try the [CSS Selector](https://www.w3schools.com/cssref/trysel.php)  (<https://www.w3schools.com/cssref/trysel.php>) simulator!

Selector	Example	Example description
.class	<code>.intro</code>	Selects all elements with class="intro"
.class1.class2	<code>.name1.name2</code>	Selects all elements with both <i>name1</i> and <i>name2</i> set within its class attribute
.class1 .class2	<code>.name1 .name2</code>	Selects all elements with <i>name2</i> that is a descendant of an element with <i>name1</i>
#id	<code>#firstname</code>	Selects the element with id="firstname"
*	<code>*</code>	Selects all elements
element	<code>p</code>	Selects all <p> elements
element.class	<code>p.intro</code>	Selects all <p> elements with class="intro"
element,element	<code>div, p</code>	Selects all <div> elements and all <p> elements
element element	<code>div p</code>	Selects all <p> elements inside <div> elements
element>element	<code>div > p</code>	Selects all <p> elements where the parent is a <div> element
element+element	<code>div + p</code>	Selects the first <p> element that is placed immediately after <div> elements
element1~element2	<code>p ~ ul</code>	Selects every element that is preceded by a <p> element
[attribute]	<code>[target]</code>	Selects all elements with a target attribute
[attribute=value]	<code>[target=_blank]</code>	Selects all elements with target="_blank"
[attribute~=value]	<code>[title~=flower]</code>	Selects all elements with a title attribute containing the word "flower"
[attribute =value]	<code>[lang =en]</code>	Selects all elements with a lang attribute value equal to "en" or starting with "en-"
[attribute^=value]	<code>a[href^="https"]</code>	Selects every <a> element whose href attribute value begins with "https"
[attribute\$=value]	<code>a[href\$=".pdf"]</code>	Selects every <a> element whose href attribute value ends with ".pdf"

[attribute*=value]	<code>a[href*="w3schools"]</code>	Selects every <a> element whose href attribute value contains the substring "w3schools"
:active	<code>a:active</code>	Selects the active link
::after	<code>p::after</code>	Insert something after the content of each <p> element
::before	<code>p::before</code>	Insert something before the content of each <p> element
:checked	<code>input:checked</code>	Selects every checked <input> element
:default	<code>input:default</code>	Selects the default <input> element
:disabled	<code>input:disabled</code>	Selects every disabled <input> element
:empty	<code>p:empty</code>	Selects every <p> element that has no children (including text nodes)
:enabled	<code>input:enabled</code>	Selects every enabled <input> element
:first-child	<code>p:first-child</code>	Selects every <p> element that is the first child of its parent
::first-letter	<code>p::first-letter</code>	Selects the first letter of every <p> element
::first-line	<code>p::first-line</code>	Selects the first line of every <p> element
:first-of-type	<code>p:first-of-type</code>	Selects every <p> element that is the first <p> element of its parent
:focus	<code>input:focus</code>	Selects the input element which has focus
:fullscreen	<code>:fullscreen</code>	Selects the element that is in full-screen mode
:hover	<code>a:hover</code>	Selects links on mouse over
:in-range	<code>input:in-range</code>	Selects input elements with a value within a specified range
:indeterminate	<code>input:indeterminate</code>	Selects input elements that are in an indeterminate state
:invalid	<code>input:invalid</code>	Selects all input elements with an invalid value
:lang(<i>language</i>)	<code>p:lang(it)</code>	Selects every <p> element with a lang attribute equal to "it" (Italian)
:last-child	<code>p:last-child</code>	Selects every <p> element that is the last child of its parent
:last-of-type	<code>p:last-of-type</code>	Selects every <p> element that is the last <p> element of its parent

:link	<code>a:link</code>	Selects all unvisited links
::marker	<code>::marker</code>	Selects the markers of list items
:not(selector)	<code>:not(p)</code>	Selects every element that is not a <p> element
:nth-child(n)	<code>p:nth-child(2)</code>	Selects every <p> element that is the second child of its parent
:nth-last-child(n)	<code>p:nth-last-child(2)</code>	Selects every <p> element that is the second child of its parent, counting from the last child
:nth-last-of-type(n)	<code>p:nth-last-of-type(2)</code>	Selects every <p> element that is the second <p> element of its parent, counting from the last child
:nth-of-type(n)	<code>p:nth-of-type(2)</code>	Selects every <p> element that is the second <p> element of its parent
:only-of-type	<code>p:only-of-type</code>	Selects every <p> element that is the only <p> element of its parent
:only-child	<code>p:only-child</code>	Selects every <p> element that is the only child of its parent
:optional	<code>input:optional</code>	Selects input elements with no "required" attribute
:out-of-range	<code>input:out-of-range</code>	Selects input elements with a value outside a specified range
::placeholder	<code>input::placeholder</code>	Selects input elements with the "placeholder" attribute specified
:read-only	<code>input:read-only</code>	Selects input elements with the "readonly" attribute specified
:read-write	<code>input:read-write</code>	Selects input elements with the "readonly" attribute NOT specified
:required	<code>input:required</code>	Selects input elements with the "required" attribute specified
:root	<code>:root</code>	Selects the document's root element
::selection	<code>::selection</code>	Selects the portion of an element that is selected by a user
:target	<code>#news:target</code>	Selects the current active #news element (clicked on a URL containing that anchor name)
:valid	<code>input:valid</code>	Selects all input elements with a valid value
:visited	<code>a:visited</code>	Selects all visited links