

# CSS Selectors Reference

 [w3schools.com/cssref/css\\_selectors.php](https://www.w3schools.com/cssref/css_selectors.php)

In CSS, selectors are patterns used to select the element(s) you want to style.

Selector	Example	Example description
<code>.class</code>	<code>.intro</code>	Selects all elements with <code>class="intro"</code>
<code>.class1.class2</code>	<code>.name1.name2</code>	Selects all elements with both <i>name1</i> and <i>name2</i> set within its class attribute
<code>.class1 .class2</code>	<code>.name1 .name2</code>	Selects all elements with <i>name2</i> that is a descendant of an element with <i>name1</i>
<code>#id</code>	<code>#firstname</code>	Selects the element with <code>id="firstname"</code>
<code>*</code>	<code>*</code>	Selects all elements
<code>element</code>	<code>p</code>	Selects all <code>&lt;p&gt;</code> elements
<code>element.class</code>	<code>p.intro</code>	Selects all <code>&lt;p&gt;</code> elements with <code>class="intro"</code>
<code>element,element</code>	<code>div, p</code>	Selects all <code>&lt;div&gt;</code> elements and all <code>&lt;p&gt;</code> elements
<code>element element</code>	<code>div p</code>	Selects all <code>&lt;p&gt;</code> elements inside <code>&lt;div&gt;</code> elements
<code>element&gt;element</code>	<code>div &gt; p</code>	Selects all <code>&lt;p&gt;</code> elements where the parent is a <code>&lt;div&gt;</code> element
<code>element+element</code>	<code>div + p</code>	Selects the first <code>&lt;p&gt;</code> element that is placed immediately after <code>&lt;div&gt;</code> elements
<code>element1~element2</code>	<code>p ~ ul</code>	Selects every <code>&lt;ul&gt;</code> element that is preceded by a <code>&lt;p&gt;</code> element
<code>[attribute]</code>	<code>[target]</code>	Selects all elements with a target attribute
<code>[attribute=value]</code>	<code>[target="_blank"]</code>	Selects all elements with <code>target="_blank"</code>
<code>[attribute~=value]</code>	<code>[title~="flower"]</code>	Selects all elements with a title attribute containing the word "flower"
<code>[attribute =value]</code>	<code>[lang="en"]</code>	Selects all elements with a lang attribute value equal to "en" or starting with "en-"
<code>[attribute^=value]</code>	<code>a[href^="https"]</code>	Selects every <code>&lt;a&gt;</code> element whose href attribute value begins with "https"
<code>[attribute\$=value]</code>	<code>a[href\$=".pdf"]</code>	Selects every <code>&lt;a&gt;</code> element whose href attribute value ends with ".pdf"
<code>[attribute*=value]</code>	<code>a[href*="w3schools"]</code>	Selects every <code>&lt;a&gt;</code> element whose href attribute value contains the substring "w3schools"

:active	a:active	Selects the active link
::after	p::after	Insert something after the content of each <p> element
::before	p::before	Insert something before the content of each <p> element
:checked	input:checked	Selects every checked <input> element
:default	input:default	Selects the default <input> element
:disabled	input:disabled	Selects every disabled <input> element
:empty	p:empty	Selects every <p> element that has no children (including text nodes)
:enabled	input:enabled	Selects every enabled <input> element
:first-child	p:first-child	Selects every <p> element that is the first child of its parent
::first-letter	p::first-letter	Selects the first letter of every <p> element
::first-line	p::first-line	Selects the first line of every <p> element
:first-of-type	p:first-of-type	Selects every <p> element that is the first <p> element of its parent
:focus	input:focus	Selects the input element which has focus
:fullscreen	:fullscreen	Selects the element that is in full-screen mode
:hover	a:hover	Selects links on mouse over
:in-range	input:in-range	Selects input elements with a value within a specified range
:indeterminate	input:indeterminate	Selects input elements that are in an indeterminate state
:invalid	input:invalid	Selects all input elements with an invalid value
:lang( <i>language</i> )	p:lang(it)	Selects every <p> element with a lang attribute equal to "it" (Italian)
:last-child	p:last-child	Selects every <p> element that is the last child of its parent
:last-of-type	p:last-of-type	Selects every <p> element that is the last <p> element of its parent
:link	a:link	Selects all unvisited links
::marker	::marker	Selects the markers of list items
:not( <i>selector</i> )	:not(p)	Selects every element that is not a <p> element
:nth-child( <i>n</i> )	p:nth-child(2)	Selects every <p> element that is the second child of its parent

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