

# CSS Selector Reference

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## CSS Selectors

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

Use our [CSS Selector Tester](#) to demonstrate the different selectors.

Selector	Example	Example description
<a href="#">.class</a>	.intro	Selects all elements with class="intro"
<a href="#">.class1.class2</a>	.name1.name2	Selects all elements with both <i>name1</i> and <i>name2</i> set within its class attribute
<a href="#">.class1 .class2</a>	.name1 .name2	Selects all elements with <i>name2</i> that is a descendant of an element with <i>name1</i>
<a href="#">#id</a>	#firstname	Selects the element with id="firstname"
<a href="#">*</a>	*	Selects all elements
<a href="#">element</a>	p	Selects all <p> elements
<a href="#">element.class</a>	p.intro	Selects all <p> elements with class="intro"

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	<div>	elements
<a href="#">element&gt;element</a>	div > p	Selects all <p> elements where the parent is a <div> element
<a href="#">element+element</a>	div + p	Selects the first <p> element that is placed immediately after <div> elements
<a href="#">element1~element2</a>	p ~ ul	Selects every <ul> element that is preceded by a <p> element
<a href="#">[attribute]</a>	[target]	Selects all elements with a target attribute
<a href="#">[attribute=value]</a>	[target="_blank"]	Selects all elements with target="_blank"
<a href="#">[attribute~=value]</a>	[title~="flower"]	Selects all elements with a title attribute containing the word "flower"
<a href="#">[attribute =value]</a>	[lang]="en"]	Selects all elements with a lang attribute value equal to "en" or starting with "en-"
<a href="#">[attribute^=value]</a>	a[href^="https"]	Selects every <a> element whose href attribute value begins with "https"
<a href="#">[attribute\$=value]</a>	a[href\$=".pdf"]	Selects every <a> element whose href attribute value ends with ".pdf"
<a href="#">[attribute*=value]</a>	a[href*="w3schools"]	Selects every <a> element whose href attribute value contains the substring "w3schools"
<a href="#">:active</a>	a:active	Selects the active link
<a href="#">:after</a>	p::after	Insert something after the content of each <p> element
<a href="#">:before</a>	p::before	Insert something before the content of each <p> element

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<a href="#">:disabled</a>	input:disabled	Selects every disabled <input> element
<a href="#">:empty</a>	p:empty	Selects every <p> element that has no children (including text nodes)
<a href="#">:enabled</a>	input:enabled	Selects every enabled <input> element
<a href="#">:first-child</a>	p:first-child	Selects every <p> element that is the first child of its parent
<a href="#">::first-letter</a>	p::first-letter	Selects the first letter of every <p> element
<a href="#">::first-line</a>	p::first-line	Selects the first line of every <p> element
<a href="#">:first-of-type</a>	p:first-of-type	Selects every <p> element that is the first <p> element of its parent
<a href="#">:focus</a>	input:focus	Selects the input element which has focus
<a href="#">:fullscreen</a>	:fullscreen	Selects the element that is in full-screen mode
<a href="#">:has()</a>	h2:has(+p)	Selects h2 elements that are immediately followed by a p element, and applies the style to h2
<a href="#">:hover</a>	a:hover	Selects links on mouse over
<a href="#">:in-range</a>	input:in-range	Selects input elements with a value within a specified range
<a href="#">:indeterminate</a>	input:indeterminate	Selects input elements that are in an indeterminate state
<a href="#">:invalid</a>	input:invalid	Selects all input elements with an invalid value
<a href="#">:lang()</a>	p:lang(it)	Selects every <p> element with a lang attribute equal to "it" (Italian)

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		the last <p> element of its parent
<a href="#">:link</a>	a:link	Selects all unvisited links
<a href="#">::marker</a>	::marker	Selects the markers of list items
<a href="#">:not()</a>	:not(p)	Selects every element that is not a <p> element
<a href="#">:nth-child()</a>	p:nth-child(2)	Selects every <p> element that is the second child of its parent
<a href="#">:nth-last-child()</a>	p:nth-last-child(2)	Selects every <p> element that is the second child of its parent, counting from the last child
<a href="#">:nth-last-of-type()</a>	p:nth-last-of-type(2)	Selects every <p> element that is the second <p> element of its parent, counting from the last child
<a href="#">:nth-of-type()</a>	p:nth-of-type(2)	Selects every <p> element that is the second <p> element of its parent
<a href="#">:only-of-type</a>	p:only-of-type	Selects every <p> element that is the only <p> element of its parent
<a href="#">:only-child</a>	p:only-child	Selects every <p> element that is the only child of its parent
<a href="#">:optional</a>	input:optional	Selects input elements with no "required" attribute
<a href="#">:out-of-range</a>	input:out-of-range	Selects input elements with a value outside a specified range
<a href="#">::placeholder</a>	input::placeholder	Selects input elements with the "placeholder" attribute specified
<a href="#">:read-only</a>	input:read-only	Selects input elements with the "readonly" attribute specified
<a href="#">:read-write</a>	input:read-write	Selects input elements with the "readonly" attribute NOT specified

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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

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