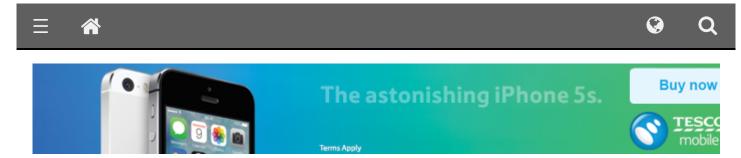
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CSS Selector Reference

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W3Schools' CSS reference is tested regularly with all major browsers.

CSS Selectors

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

Use our <u>CSS Selector Tester</u> to demonstrate the different selectors.

The "CSS" column indicates in which CSS version the property is defined (CSS1, CSS2, or CSS3).

| Selector | Example | Example description | CSS |
|------------------------|------------|--|-----|
| <u>.class</u> | .intro | Selects all elements with class="intro" | 1 |
| <u>#id</u> | #firstname | Selects the element with id="firstname" | 1 |
| * | * | Selects all elements | 2 |
| <u>element</u> | p | Selects all elements | 1 |
| <u>element,element</u> | div, p | Selects all <div> elements and all elements</div> | 1 |
| <u>element element</u> | div p | Selects all elements inside <div> elements</div> | 1 |
| | | | |

| <u>element>element</u> | div > p | Selects all elements where the parent is a <div> element</div> | 2 |
|---------------------------|----------------------|---|---|
| <u>element+element</u> | div + p | Selects all elements that are placed immediately after <div> elements</div> | 2 |
| element1~element2 | p ~ ul | Selects every element that are preceded by a element | 3 |
| [attribute] | [target] | Selects all elements with a target attribute | 2 |
| [attribute=value] | [target=_blank] | Selects all elements with target="_blank" | 2 |
| [attribute~=value] | [title~=flower] | Selects all elements with a title attribute containing the word "flower" | 2 |
| [attribute =value] | [lang =en] | Selects all elements with a lang attribute value starting with "en" | 2 |
| [attribute^=value] | a[href^="https"] | Selects every <a> element whose href attribute value begins with "https" | 3 |
| [attribute\$=value] | a[href\$=".pdf"] | Selects every <a> element whose href attribute value ends with ".pdf" | 3 |
| [attribute*=value] | a[href*="w3schools"] | Selects every <a> element whose href attribute value contains the substring "w3schools" | 3 |
| :active | a:active | Selects the active link | 1 |
| ::after | p::after | Insert something after the content of each element | 2 |
| ::before | p::before | Insert something before the content of each element | 2 |
| :checked | input:checked | Selects every checked <input/> element | 3 |
| :disabled | input:disabled | Selects every disabled <input/> element | 3 |
| :empty | p:empty | Selects every element that has no children (including text | 3 |

| | | nodes) | |
|----------------------|-----------------------|---|---|
| :enabled | input:enabled | Selects every enabled <input/> element | 3 |
| :first-child | p:first-child | Selects every element that is the first child of its parent | 2 |
| ::first-letter | p::first-letter | Selects the first letter of every element | 1 |
| ::first-line | p::first-line | Selects the first line of every element | 1 |
| :first-of-type | p:first-of-type | Selects every element that is the first element of its parent | 3 |
| :focus | input:focus | Selects the input element which has focus | 2 |
| :hover | a:hover | Selects links on mouse over | 1 |
| :in-range | input:in-range | Selects input elements with a value within a specified range | 3 |
| :invalid | input:invalid | Selects all input elements with an invalid value | 3 |
| :lang(language) | p:lang(it) | Selects every element with a lang attribute equal to "it" (Italian) | 2 |
| :last-child | p:last-child | Selects every element that is the last child of its parent | 3 |
| :last-of-type | p:last-of-type | Selects every element that is the last element of its parent | 3 |
| :link | a:link | Selects all unvisited links | 1 |
| :not(selector) | :not(p) | Selects every element that is not a element | 3 |
| :nth-child(n) | p:nth-child(2) | Selects every element that is the second child of its parent | 3 |
| :nth-last-child(n) | p:nth-last-child(2) | Selects every element that is the second child of its parent, counting from the last child | 3 |
| :nth-last-of-type(n) | p:nth-last-of-type(2) | Selects every element that is the second element of its | 3 |

| | | parent, counting from the last child | |
|-----------------|--------------------|---|---|
| :nth-of-type(n) | p:nth-of-type(2) | Selects every element that is the second element of its parent | 3 |
| :only-of-type | p:only-of-type | Selects every element that is the only element of its parent | 3 |
| :only-child | p:only-child | Selects every element that is the only child of its parent | 3 |
| :optional | input:optional | Selects input elements with no "required" attribute | 3 |
| :out-of-range | input:out-of-range | Selects input elements with a value outside a specified range | 3 |
| :read-only | input:read-only | Selects input elements with the "readonly" attribute specified | 3 |
| :read-write | input:read-write | Selects input elements with the "readonly" attribute NOT specified | 3 |
| :required | input:required | Selects input elements with the "required" attribute specified | 3 |
| <u>:root</u> | :root | Selects the document's root element | 3 |
| ::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) | 3 |
| :valid | input:valid | Selects all input elements with a valid value | 3 |
| :visited | a:visited | Selects all visited links | 1 |

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