CSS Pseudo-elements:

A CSS pseudo-element is used to style specified parts of an element.

For example, it can be used to:

* Style the first letter, or line, of an element
* Insert content before, or after, the content of an element

## Syntax :

The syntax of pseudo-elements:

selector::pseudo-element {

property:value;  
}

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| **Selector** | **Example** | **Example description** |
| [::after](http://www.w3schools.com/cssref/sel_after.asp) | p::after | Insert something after the content of each <p> element |
| [::before](http://www.w3schools.com/cssref/sel_before.asp) | p::before | Insert something before the content of each <p> element |
| [::first-letter](http://www.w3schools.com/cssref/sel_firstletter.asp) | p::first-letter | Selects the first letter of each <p> element |
| [::first-line](http://www.w3schools.com/cssref/sel_firstline.asp) | p::first-line | Selects the first line of each <p> element |
| [::selection](http://www.w3schools.com/cssref/sel_selection.asp) | p::selection | Selects the portion of an element that is selected by a user |

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| **Selector** | **Example** | | **Example description** |
| [:active](http://www.w3schools.com/cssref/sel_active.asp) | a:active | | Selects the active link |
| [:checked](http://www.w3schools.com/cssref/sel_checked.asp) | input:checked | | Selects every checked <input> element |
| [:disabled](http://www.w3schools.com/cssref/sel_disabled.asp) | input:disabled | | Selects every disabled <input> element |
| [:empty](http://www.w3schools.com/cssref/sel_empty.asp) | p:empty | | Selects every <p> element that has no children |
| [:enabled](http://www.w3schools.com/cssref/sel_enabled.asp) | input:enabled | | Selects every enabled <input> element |
| [:first-child](http://www.w3schools.com/cssref/sel_firstchild.asp) | p:first-child | | Selects every <p> elements that is the first child of its parent |
| [:first-of-type](http://www.w3schools.com/cssref/sel_first-of-type.asp) | p:first-of-type | | Selects every <p> element that is the first <p> element of its parent |
| [:focus](http://www.w3schools.com/cssref/sel_focus.asp) | input:focus | | Selects the <input> element that has focus |
| [:hover](http://www.w3schools.com/cssref/sel_hover.asp) | a:hover | | Selects links on mouse over |
| [:in-range](http://www.w3schools.com/cssref/sel_in-range.asp) | input:in-range | | Selects <input> elements with a value within a specified range |
| [:invalid](http://www.w3schools.com/cssref/sel_invalid.asp) | input:invalid | | Selects all <input> elements with an invalid value |
| [:lang(*language*)](http://www.w3schools.com/cssref/sel_lang.asp) | p:lang(it) | | Selects every <p> element with a lang attribute value starting with "it" |
| [:last-child](http://www.w3schools.com/cssref/sel_lastchild.asp) | p:last-child | | Selects every <p> elements that is the last child of its parent |
| [:last-of-type](http://www.w3schools.com/cssref/sel_last-of-type.asp) | p:last-of-type | | Selects every <p> element that is the last <p> element of its parent |
| [:link](http://www.w3schools.com/cssref/sel_link.asp) | a:link | | Selects all unvisited links |
| [:not(selector)](http://www.w3schools.com/cssref/sel_not.asp) | :not(p) | | Selects every element that is not a <p> element |
| [:nth-child(n)](http://www.w3schools.com/cssref/sel_nth-child.asp) | p:nth-child(2) | | Selects every <p> element that is the second child of its parent |
| [:nth-last-child(n)](http://www.w3schools.com/cssref/sel_nth-last-child.asp) | 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(n)](http://www.w3schools.com/cssref/sel_nth-last-of-type.asp) | 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(n)](http://www.w3schools.com/cssref/sel_nth-of-type.asp) | p:nth-of-type(2) | | Selects every <p> element that is the second <p> element of its parent |
| [:only-of-type](http://www.w3schools.com/cssref/sel_only-of-type.asp) | p:only-of-type | | Selects every <p> element that is the only <p> element of its parent |
| [:only-child](http://www.w3schools.com/cssref/sel_only-child.asp) | p:only-child | | Selects every <p> element that is the only child of its parent |
| [:optional](http://www.w3schools.com/cssref/sel_optional.asp) | input:optional | | Selects <input> elements with no "required" attribute |
| [:out-of-range](http://www.w3schools.com/cssref/sel_out-of-range.asp) | input:out-of-range | | Selects <input> elements with a value outside a specified range |
| [:read-only](http://www.w3schools.com/cssref/sel_read-only.asp) | input:read-only | | Selects <input> elements with a "readonly" attribute specified |
| [:read-write](http://www.w3schools.com/cssref/sel_read-write.asp) | input:read-write | | Selects <input> elements with no "readonly" attribute |
| [:required](http://www.w3schools.com/cssref/sel_required.asp) | input:required | Selects <input> elements with a "required" attribute specified | |
| [:root](http://www.w3schools.com/cssref/sel_root.asp) | root | Selects the document's root element | |
| [:target](http://www.w3schools.com/cssref/sel_target.asp) | #news:target | Selects the current active #news element (clicked on a URL containing that anchor name) | |
| [:valid](http://www.w3schools.com/cssref/sel_valid.asp) | input:valid | Selects all <input> elements with a valid value | |
| [:visited](http://www.w3schools.com/cssref/sel_visited.asp) | a:visited | Selects all visited links | |