

Pseudo Class selector in CSS





Topics

- :active
- :hover
- :focus
- :visited
- :link
- :first-child
- :last-child
- :nth-child(n)
- :nth-last-of-type(n)
- :not(selector)
- :first-of-type()
- :last-of-type()
- :empty
- :checked



Introduction to CSS function

Pseudo-element selectors are used to style a specific part of an element. They start with a double colon (::)

Syntax of Pseudo class selector -

```
tag:pseudo-class {  
  /* ...set CSS styling properties */  
}
```

Pseudo Class Selector

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:active

style.css

```
a:active {  
    color: red;  
}  
/* This will change the anchor HTML tag to red on  
click of the link.*/
```

Browser output

Before click

Click the link to check how [active pseudo-class selector works](#)

After click

Click the link to check how [active pseudo-class selector works](#)

The Pseudo class selector “:active”, select an element when it is clicked or pressed down by the mouse pointer.



:hover

The Pseudo class selector “:hover”, select elements that are hovered by the mouse.

style.css

```
a:hover {  
    color: red;  
}  
/* On hover of the "PW Skills" the text color  
will change to red color */
```

Browser output

Before hovering

Hover the below link

PW Skills

After hovering

Hover the below link

PW Skills



:focus

The Pseudo class selector “:focus”, select elements that have received focus.

style.css

```
input:focus {  
    background-color: darkslategray;  
}  
/* on focus of the input field, the input field  
background color will change to gray*/
```

Browser output

Before focus

Example of focus

After focus

Example of focus



:visited

The Pseudo class selector “:visited”, selects elements that have been visited by the user

style.css

```
a {
    color: green;}
a:visited {
    color: red; }
/* The anchor HTML tag is set to green and on
visited or click of the anchor HTML tag the
color will change to red */
```

Browser output

Before visit

Link visited
Link yet to be visited

After visit

Link visited
Link yet to be visited



:link

The Pseudo class selector “:link”, represent the elements that have not yet been visited, particularly anchor tag or area tag that has an href attribute.

style.css

```
a:link {  
    color: olivedrab;  
}  
/* The unvisited link color will  
change to oliverdrab color related  
green and it doesn't change the  
color of the visited link */
```

Browser output

List of Page visited

- [visited link one](#)
- [visited link two](#)
- [visited link three](#)

List of Page your visited rare

- [Unvisited link one](#)
- [Unvisited link two](#)



:first-child

The Pseudo class selector “:first-child”, select or represents the first elements among a group of sibling elements.

style.css

```
p:first-child {
    color: red;
}
/* This will select the first paragraph element
group by the <div> element and change the color
to red. */
```

Browser output

first-child selector

first element of Paragraph

second element of Paragraph

.....

last element of Paragraph



:last-child

The Pseudo class selector “:last-child”, select or represents the last elements among a group of sibling elements.

style.css

```
p:last-child {
    color: red;
}
/* This will select the last paragraph
element group by the <div> element and
change the text color to red */
```

Browser output

last-child selector

first element of Paragraph

second element of Paragraph

.....

last element of Paragraph



:nth-child

The Pseudo class selector “:nth-child(n)”, to select or represents the element based on their position among a group of sibling elements.

style.css

```
p:nth-child(3) {
    color: red;
}
/* This will select the third paragraph element
group by the <div> element and change the text
color to red */
```

Browser output

last-child selector

first element of Paragraph

second element of Paragraph

..... load details

last element of Paragraph



:nth-last-of-type(n)

The Pseudo class selector “:nth-last-of-type(n)”, to select or represents the element base on their position among a group of sibling element. Of the tag, counting from the end.

style.css

```
p:nth-last-of-type(1) {
    color: red;
}
```

/* This will select the first element Paragraph counting from the last and change the color to Red */

Browser output

last-child selector

first element of Paragraph

second element of Paragraph

..... load details

last element of Paragraph



:not(selector)

The Pseudo class selector “:not(selector)”, selects or represents the elements that do not match a list of selectors, it is also known as the negation pseudo-class

style.css

```
p:not(.one) {
    color: red;
}
/* This will select all the elements that are
not selected
and change the color to Red */
```

Browser output

Negation selector

first element of Paragraph

second element of Paragraph

..... load details

last element of Paragraph



:first-of-type()

The Pseudo class selector “:first-of-type”, selects or represents the first element of its type among a group of sibling elements

style.css

```
p:first-of-type {
    color: red;
}
```

/* This will select the first paragraph elements and change the color of the font to red.*/

Browser output

First-of-type selector

first element of Paragraph

second element of Paragraph

..... load details

last element of Paragraph



:last-of-type()

The Pseudo class selector “:last-of-type()”, selects or represents the last element of its type among a group of sibling elements

style.css

```
p:last-of-type {
    color: red;
}
```

/* This will select the last paragraph element and change the color of the font to red.*/

Browser output

First-of-type selector

first element of Paragraph

second element of Paragraph

..... load details

last element of Paragraph



:empty

The Pseudo class selector “:empty”, selects or represents the element that has no children, children can be of either element nodes or text, comments, processing instructions, and CSS content.

style.css

```
p:empty {
    background-color: gray;
    height: 10px;
}
/* This will select the paragraph element which
is empty and change the background color to gray
and height is provide for visibility.*/
```

Browser output

First-of-type selector

first element of Paragraph

last element of Paragraph



:checked

The Pseudo class selector “:checked”, selects or represents the element of any radio, checkbox or option in an element that is checked or toggled to an on the state.

style.css

```
input:checked {  
    outline: 2px solid green;  
}  
/* This will select the checkbox input field  
when on click the check box will change checkbox  
with the outline color green along 3px  
*/
```

Browser output

checked pseudo class selector

- ☒ Agree to terms and services
- ☒ Confirm to proceed



▶ **THANK YOU** ◀