

# CSS {selectors: cheat-sheet}

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## Basic

Name	CSS	Description	Results
<b>Universal Selector</b>	*	Select all elements	<b>a</b> <b>b</b> <b>c</b> <b>d</b>
<b>Type Selector</b>	div	Select elements of that type Select div elements	<b>a</b> <b>div</b> <b>c</b> <b>div</b>
<b>Class Selector</b>	.c	Select elements with that class Select elements with the c class	<b>a</b> <b>b</b> <b>c</b> <b>d</b>
<b>Id Selector</b>	#i	Select elements with that id Select elements with the i id *It is best practice to not use ids in CSS	<b>a</b> <b>b</b> <b>i</b> <b>d</b>

## Combination

Name	CSS	Description	Results
<b>Descendant Selector</b>	div a	Select elements that are descendants of the first element Select anchors that are inside a div	<div>div<ul style="list-style-type: none"><li>a<ul style="list-style-type: none"><li>a</li><li>c</li></ul></li><li>b<ul style="list-style-type: none"><li>a</li><li>d</li></ul></li></ul></div>
<b>Direct Child Selector</b>	div > a	Select elements that are direct children of the first element Select anchors that are direct children of a div	<div>div<ul style="list-style-type: none"><li>a<ul style="list-style-type: none"><li>a</li><li>c</li></ul></li><li>b<ul style="list-style-type: none"><li>a</li><li>d</li></ul></li></ul></div>
<b>General Sibling Selector</b>	div ~ a	Select elements that are siblings of the first element and come after the first element Selects all anchors that are siblings of a div and come after the div	<b>a</b> <b>div</b> <b>a</b> <b>a</b>
<b>Adjacent Sibling Selector</b>	div + a	Select elements that are siblings of the first element and come directly after the first element Selects all anchors that are siblings of a div and come directly after the div	<b>a</b> <b>div</b> <b>a</b> <b>a</b>
<b>Or Selector</b>	div, a	Select elements that match any selector in the list Selects all anchors and all divs	<b>a</b> <b>div</b> <b>a</b> <b>b</b>
<b>And Selector</b>	div.c	Select elements that match all the selector combinations Selects all divs with the class c	<b>a</b> <b>div.c</b> <b>c</b> <b>div</b>

## Attribute

Name	CSS	Description	Results
<b>Has</b> Attribute	<code>[ a ]</code>	Select elements that have that attribute Select elements with the a attribute	<code>[a]</code> <code>[a="1"]</code> <code>[c]</code> <code>d</code>
<b>Exact</b> Attribute	<code>[ a="1" ]</code>	Select elements that have that attribute with exactly that value Select elements with the a attribute with a value of 1	<code>[a]</code> <code>[a="1"]</code> <code>[c]</code> <code>d</code>
<b>Begins With</b> Attribute	<code>[ a^="1" ]</code>	Select elements that have that attribute which start with that value Select elements with the a attribute with a value that starts with 1	<code>[a="12"]</code> <code>[a="21"]</code>
<b>Ends With</b> Attribute	<code>[ a\$="1" ]</code>	Select elements that have that attribute which end with that value Select elements with the a attribute with a value that ends with 1	<code>[a="12"]</code> <code>[a="21"]</code>
<b>Substring</b> Attribute	<code>[ a*="1" ]</code>	Select elements that have that attribute which contain that value anywhere Select elements with the a attribute with a value that contains a 1	<code>[a="12"]</code> <code>[a="21"]</code>

## Pseudo Element

Name	CSS	Description	Results
<b>Before</b> Selector	<code>div::before</code>	Creates an empty element directly before the children of selected element	
<b>After</b> Selector	<code>div::after</code>	Creates an empty element directly after the children of selected element	

## Pseudo Class State

Name	CSS	Description
<b>Hover</b> Selector	<code>button:hover</code>	Select elements that are hovered by the mouse Select buttons that are being hovered
<b>Focus</b> Selector	<code>button:focus</code>	Select elements that are focused. Select buttons that are being focused *Focus is set by either tabbing to an element or clicking an element such as a button or anchor tag
<b>Required</b> Selector	<code>input:required</code>	Select inputs that are required Select inputs with the required attribute
<b>Checked</b> Selector	<code>input:checked</code>	Select checkboxes/radio buttons that are checked Select inputs that are checked
<b>Disabled</b> Selector	<code>input:disabled</code>	Select inputs that are disabled Select inputs with the disabled attribute

## Pseudo Class Position/Other

Name	CSS	Description	Results
<b>First Child</b> Selector	<code>a:first-child</code>	Select elements that are the first child inside a container Select anchors that are the first child	
<b>Last Child</b> Selector	<code>a:last-child</code>	Select elements that are the last child inside a container Select anchors that are the last child	
<b>Nth Child</b> Selector	<code>a:nth-child(2n)</code>	Select elements that are the nth child inside a container based on the formula Select anchors that are even numbered children	
<b>Nth Last Child</b> Selector	<code>a:nth-last-child(3)</code>	Select elements that are the nth child inside a container based on the formula counting from the end Select anchors that are the third to last child	
<b>Only Child</b> Selector	<code>a:only-child</code>	Select elements that are the only child inside a container Select anchors that are the only child	
<b>First Of Type</b> Selector	<code>a:first-of-type</code>	Select elements that are the first of a type inside a container Select the first anchor in a container	
<b>Last Of Type</b> Selector	<code>a:last-of-type</code>	Select elements that are the last of a type inside a container Select the last anchor in a container	
<b>Nth Of Type</b> Selector	<code>a:nth-of-type(2n)</code>	Select elements that are the nth of a type inside a container based on the formula Select every second anchor	
<b>Nth Last Of Type</b> Selector	<code>a:nth-last-of-type(2)</code>	Select elements that are the nth of a type inside a container based on the formula counting from the end Select the second to last anchor	
<b>Only Of Type</b> Selector	<code>a:only-of-type</code>	Select elements that are the only of a type inside a container Select anchors that are the only anchor in a container	
<b>Not</b> Selector	<code>a:not(.c)</code>	Select all elements that do not match the selector inside the not selector Select all anchor tags that do not have the c class	