

CSS {selectors: cheat-sheet}

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Basic

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

Combination

Name	CSS	Description	Results
Descendant Selector	div a	Select elements that are descendants of the first element Select anchors that are inside a div	<pre> graph TD div[div] --> a1[a] div --> b[b] a1 --> a2[a] a1 --> c[c] b --> a3[a] b --> d[d] </pre>
Direct Child Selector	div > a	Select elements that are direct children of the first element Select anchors that are direct children of a div	<pre> graph TD div[div] --> a1[a] div --> b[b] a1 --> a2[a] a1 --> c[c] b --> a3[a] b --> d[d] </pre>
General Sibling Selector	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	a div a a
Adjacent Sibling Selector	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	a div a a
Or Selector	div, a	Select elements that match any selector in the list Selects all anchors and all divs	a div a b
And Selector	div.c	Select elements that match all the selector combinations Selects all divs with the class c	.a div.c .c div

Attribute

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

Pseudo Element

Name	CSS	Description	Results
Before Selector	div::before	Creates an empty element directly before the children of selected element	<pre>graph TD; div[div] --- before[before]; div --- c[c]; div --- after[after]; style before fill:#007bff,color:#fff</pre>
After Selector	div::after	Creates an empty element directly after the children of selected element	<pre>graph TD; div[div] --- before[before]; div --- c[c]; div --- after[after]; style after fill:#007bff,color:#fff</pre>

Pseudo Class State

Name	CSS	Description
Hover Selector	button:hover	Select elements that are hovered by the mouse Select buttons that are being hovered
Focus Selector	button:focus	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
Required Selector	input:required	Select inputs that are required Select inputs with the required attribute
Checked Selector	input:checked	Select checkboxes/radio buttons that are checked Select inputs that are checked
Disabled Selector	input:disabled	Select inputs that are disabled Select inputs with the disabled attribute

Pseudo Class Position/Other

Name	CSS	Description	Results
First Child Selector	<code>a:first-child</code>	Select elements that are the first child inside a container Select anchors that are the first child	
Last Child Selector	<code>a:last-child</code>	Select elements that are the last child inside a container Select anchors that are the last child	
Nth Child 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	
Nth Last Child 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	
Only Child Selector	<code>a:only-child</code>	Select elements that are the only child inside a container Select anchors that are the only child	
First Of Type 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	
Last Of Type 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	
Nth Of Type 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	
Nth Last Of Type 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	
Only Of Type 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	
Not 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	