

**CSS Selectors is not an attribute, another type of locator in Selenium.**

1. If id is available then we can use

Eg : #id, htmltag#id

2. If class name is available then we can use

Eg : .className, htmltag.className

NOTE : If there are multiple class name then we can use like this

(Eg : .className1.className2.className3...classNameN )

(htmltag.className1.className2.className3...classNameN)

3. If id and class attributes are not there, we can use other attributes

Eg : htmltag[attrName='value']

if we want to combine two or more attributes then we can combine like this

Eg : htmltag[attrName1='value'][attrName2='value']....

4. Contains in CSS selector

Eg : htmltag[attrName\*='value']

NOTE : here \* will behave like contains(), there is no contains() method in CSS selector.

5. for starts-with(), we can use like below

Eg : htmltag[attrName^='value']

NOTE : here ^ will behave like starts-with().

6. In xPath we don't have ends-with by in CSS selector we have.

Eg : htmltag[attrName\$='value']

NOTE : here \$ will behave like ends-with().

7. Parent to Child

Eg : htmltag#id htmltag

NOTE : here the space will give us direct and indirect child elements.

we can also use like this below

Eg : htmltag#id > htmltag

NOTE : this will give us only the direct child elements.

**Child to parent and Backward traversing is not allowed in CSS.**

### Difference between XPath and CSS Selector

xPath	CSS Selector
<ul style="list-style-type: none"><li>• Syntax : complex</li></ul>	<ul style="list-style-type: none"><li>• Syntax : Easy</li></ul>
<ul style="list-style-type: none"><li>• Backward : yes</li></ul>	<ul style="list-style-type: none"><li>• Backward : no</li></ul>
<ul style="list-style-type: none"><li>• textMethod : yes</li></ul>	<ul style="list-style-type: none"><li>• textMethod : no</li></ul>
<ul style="list-style-type: none"><li>• siblings : yes</li></ul>	<ul style="list-style-type: none"><li>• siblings : limited only to forward</li></ul>
<ul style="list-style-type: none"><li>• webtable : yes</li></ul>	<ul style="list-style-type: none"><li>• webtable : limited</li></ul>
<ul style="list-style-type: none"><li>• parent to child : yes</li></ul>	<ul style="list-style-type: none"><li>• parent to child : yes</li></ul>
<ul style="list-style-type: none"><li>• performance : good</li></ul>	<ul style="list-style-type: none"><li>• performance : good</li></ul>

NOTE : Regarding performance wise both are good. But it depends on how customize we are writing the XPath and CSS selector.