CSS selectors makes the execution of script faster compared to XPath locator. CSS Selector locator is always the best way to locate elements on the page.

**# --** represents the ID

<input **id="searchInput"** name="search" type="search" size="20" autofocus="autofocus" accesskey="F" dir="auto" autocomplete="off" list="suggestions" style="padding-right: 64px;">

**. --** represents the class

<div **class="central-featured"** data-el-section="primary links">

**Tag and ID**

css=tag#id

XPath: //div[@id='example']

CSS: #example

**Tag and Class**

css=tag.class

XPath: //div[@class='example']

CSS: .example

**Tag and Attribute**

css=tag[attribute=value]

XPATH: //input[@name='login'and @type='submit']

CSS: input[name='login'][type='submit']

**Tag, Class, and Attribute**

css=tag.class[attribute=value]

**AND Operator**

css=input[att1=''][att2='']

**OR Operator**

css=input[att1=''],input[att2='']

**Sub-String Matches**

**Starts With (^)**

css=<HTML tag><[attribute^=prefix of the string]>

**Ends With ($)**

css=<HTML tag><[attribute$=suffix of the string]>

**Contains (\*)**

css=<HTML tag><[attribute\*=partial string]>

css=<HTML tag>:contains('partial string')

**Child Elements**

**Direct Child**

XPath: //div/a

CSS: div > a

**Sub-child**

XPath: //div//a

CSS: div a

**nth-child**

#.central-featured>div:nth-child(3)

**References:**

<https://www.w3schools.com/cssref/css_selectors.asp>