

Selector in css :

Descendant selector:

Descendant Selector

Eg - Selects all paragraphs inside divs

descendant Selector

```
div p {  
    property: value;  
}
```

Handwritten examples:

```
<p> </p>  
<span> <p> </p> </span>  
<div> <p> </p> </div>  
<div> <p>
```

Sibling selector :

Adjacent Sibling Combinator

Eg - Heading3 that comes immediately after any paragraph

sibling combinator

```
p + h3 {  
    property: value;  
}
```

Handwritten examples:

```
<p> </p>  
<h3> </h3>  
<h3> </h3>  
<div> <h3> </h3> </div>
```

Diagram showing a paragraph (p) followed by a heading3 (h3) with a plus sign between them, indicating the adjacent sibling combinator.

Child combinator:

< previous

next >

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APNA COLLEGE

Child Combinator

Eg - Selects all buttons which are direct children of spans

child Selector combinator

span > button {

property: value;

}

div

p

child

div > p {

=

}

direct descendant

Attribute selector :

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Attribute Selector

Selects elements based on the presence or value of a given attribute

Attribute Selector

input[attr="value"] {

property: value;

}

↓

✓

↓

✓

Pseudo Class

element : pseudoclass

A Keyword added to a selector that specifies a **special state** of the selected element(s)

: hover

: active

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: nth-of-type(2n)

↙ nth elements

☐ 1 (1)

☒ 2 (2)

☐ 3 1

☒ 4 2

☐ 5 1

☒ 6 2

☐ 7

CSS



Pseudo Elements

A Keyword added to a selector that lets you style a **specific part** of the selected element(s)

:: first-letter

:: first-line

:: selection



```

6
7   h1::first-letter {
8     color: black;
9   }
10
11   p::first-line {
12     color: blue;
13   }
14
15   p::selection {
16     background-color: rgb(199, 192, 58);
17   }
18

```

Order of Selector :

→ :Final selector taken

API
COLL

CSS : Cascading StyleSheets

What is cascade in CSS?

The **CSS cascade algorithm**'s job is to select CSS declarations in order to determine the correct values for CSS properties.

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```

h2 {
  background-color: yellow;
}

h2 {
  background-color: blue;
}

```

final color is blue

Same element



Selector Specificity

What is specificity?

Specificity is an algorithm that calculates the weight that is applied to a given CSS declaration.

#myId {

.myClass {

}

}

selectors

121
X
300
X

1

id

1

class,
attribute &
pseudo-class

element &
pseudo-
element

id > class > element

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