



Cascading Style Sheet

# Sumber

<https://www.w3schools.com/>

# Syntax

```
selector {  
  property: value;  
}
```

# Cara Akses CSS

Inline

Internal

Eksternal

# Inline

```
1 <html>
2   <head>
3     <title>Inline CSS</title>
4   </head>
5   <body>
6     <span style="color: red;">CSS</span>
7   </body>
8 </html>
```

# Cara Akses CSS

Inline

Internal

Eksternal

# Internal

```
1 <html>
2   <head>
3     <title>Internal CSS</title>
4     <style type="text/css">
5       span {
6         color: green;
7       }
8     </style>
9   </head>
10  <body>
11    <span>CSS</span>
12  </body>
13 </html>
```

# Cara Akses CSS

Inline

Internal

Eksternal



# Eksternal

```
eksternal.html x
1 <html>
2   <head>
3     <title>Eksternal CSS</title>
4     <link href="eksternal.css"
5           type="text/css"
6           rel="stylesheet" />
7   </head>
8   <body>
9     <span>CSS</span>
10  </body>
11 </html>
12
13
```

```
eksternal.css x
1 span {
2   color: blue;
3 }
4
5
6
7
8
9
10
11
12
13
```

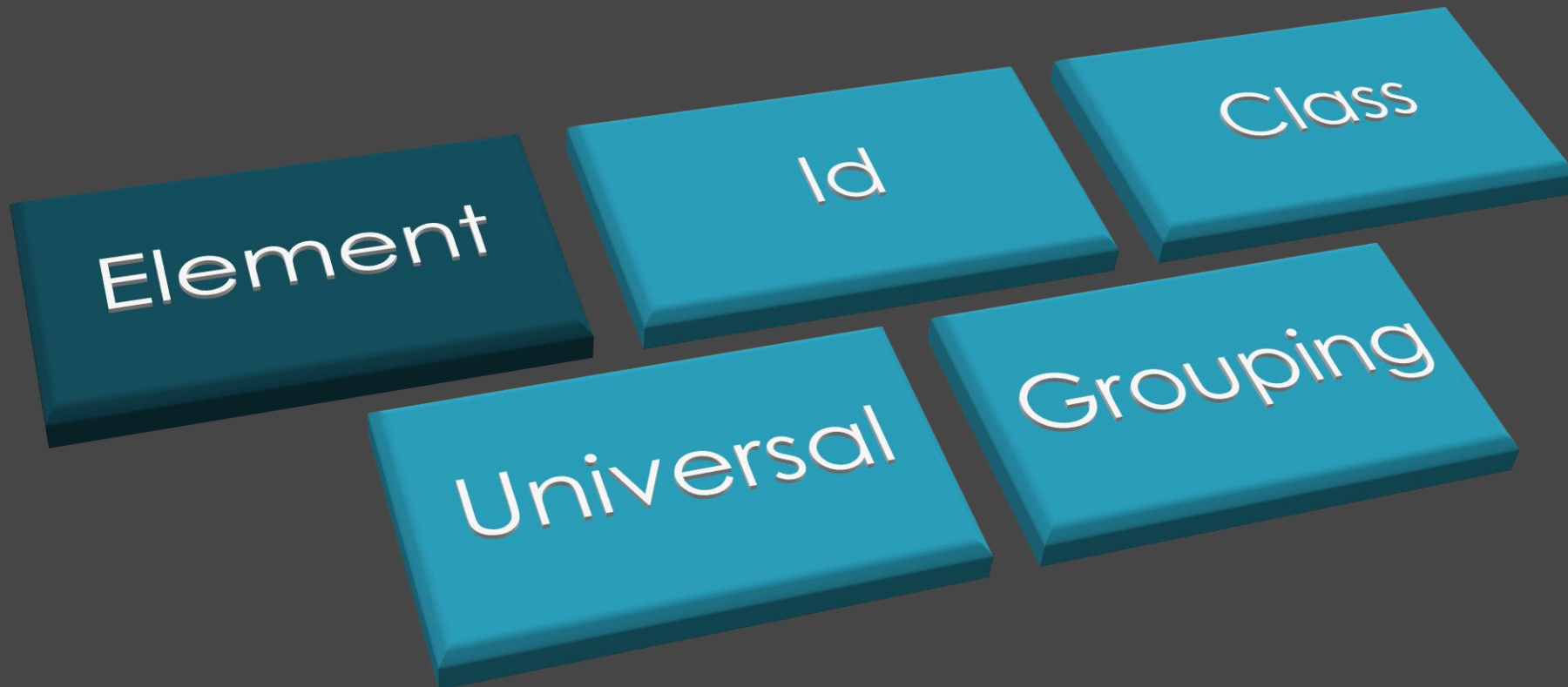
# Selector

## Kategori

- Simple
- Combinator
- Pseudo-class
- Pseudo-elements
- Attribute

- *Selector* merupakan *target* dimana *style* diaplikasikan.

# Simple Selector



# Element

```
1 <html>
2   <head>
3     <title>Element Selector</title>
4     <style type="text/css">
5       /* Semua Element span berwarna text hijau */
6       span {
7         color: green;
8       }
9     </style>
10  </head>
11  <body>
12    <span>Cascading</span> Style <span>Sheets</span>
13  </body>
14 </html>
```

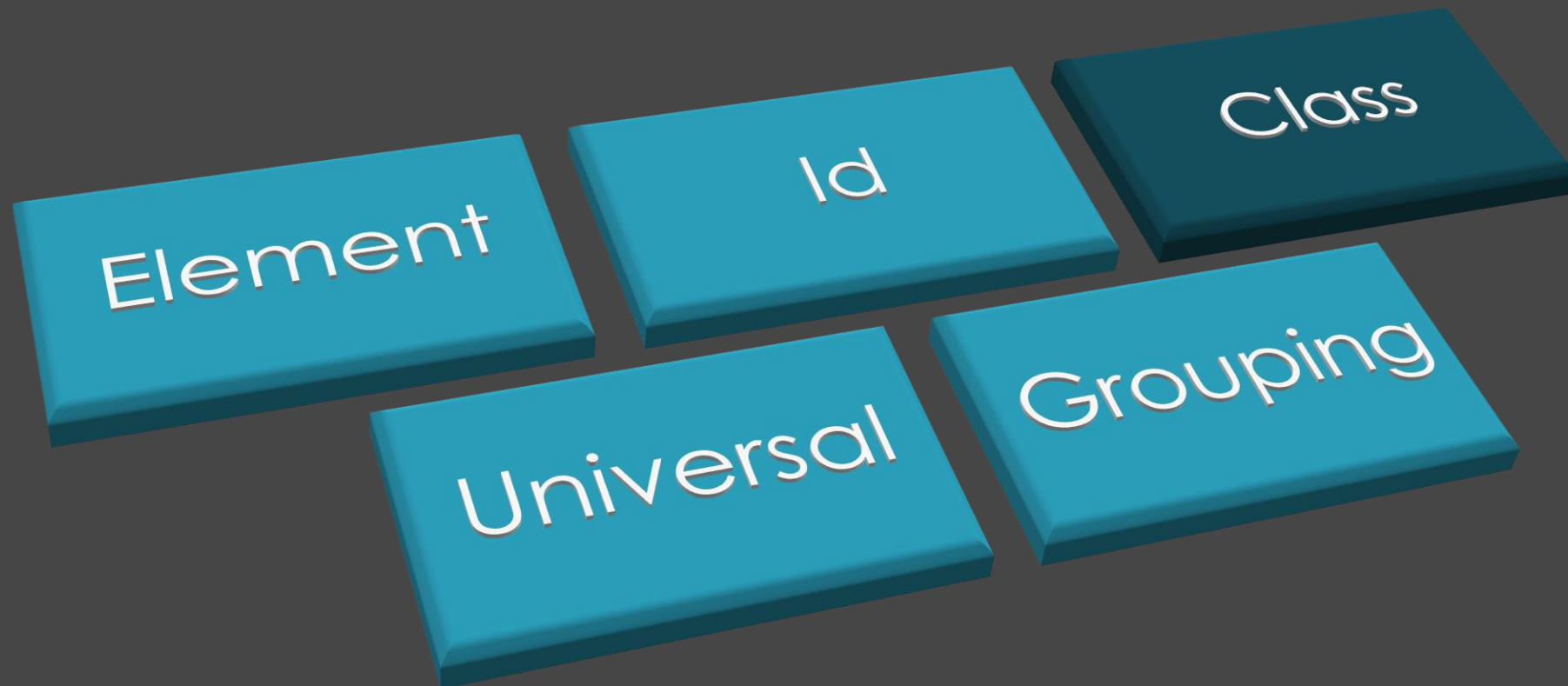
# Simple Selector



# Id (#)

```
id.html x
1 <html>
2   <head>
3     <title>Id Selector</title>
4     <style type="text/css">
5       /* Element dengan id merah berwarna text merah */
6       #merah {
7         color: red;
8       }
9     </style>
10  </head>
11  <body>
12    <span id="merah">CSS</span>
13  </body>
14 </html>
```

# Simple Selector

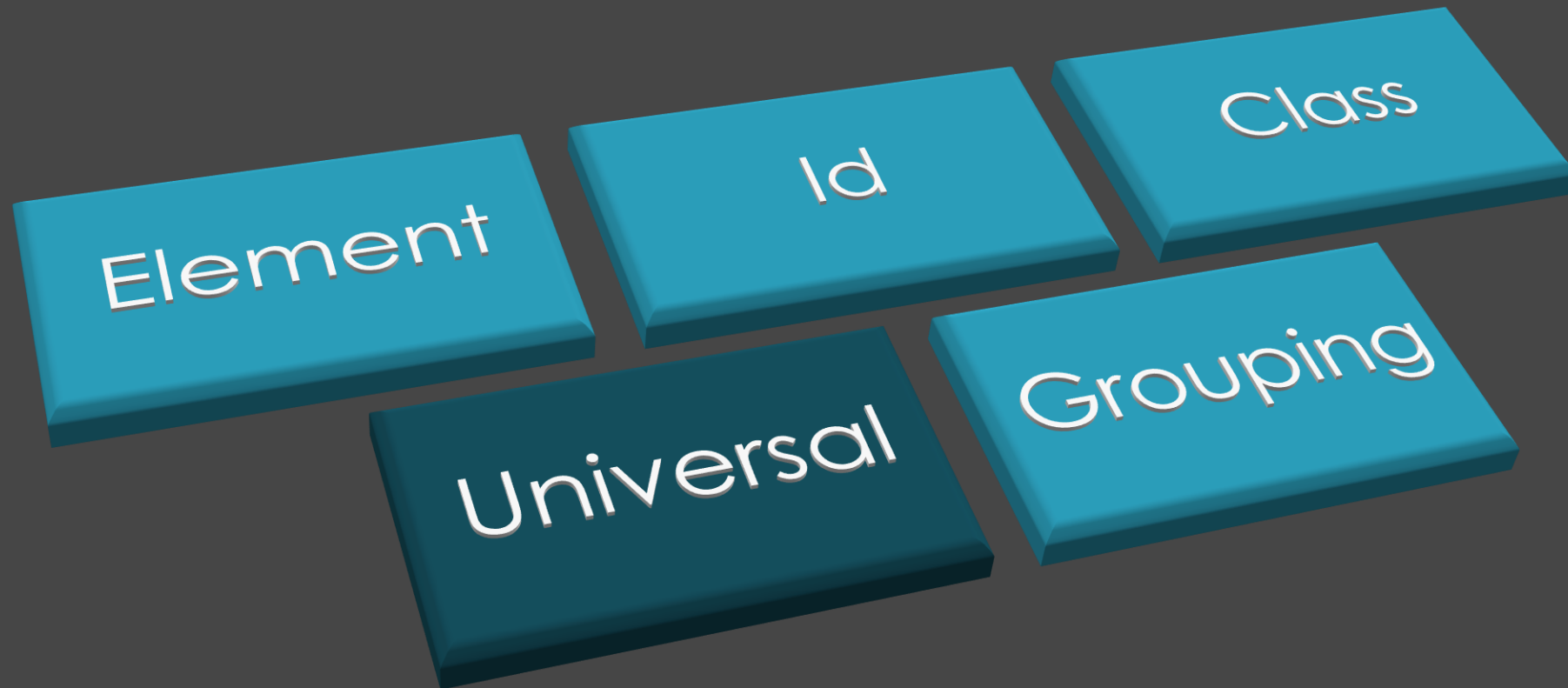


# Class (.)

```
class.html x
1 <html>
2   <head>
3     <title>Class Selector</title>
4     <style type="text/css">
5       /* Semua Element dengan class biru berwarna text biru */
6       .biru {
7         color: blue;
8       }
9     </style>
10  </head>
11  <body>
12    <span class="biru">Cascading</span>
13    <p>Style</p>
14    <div class="biru">Sheets</div>
15  </body>
16 </html>
```



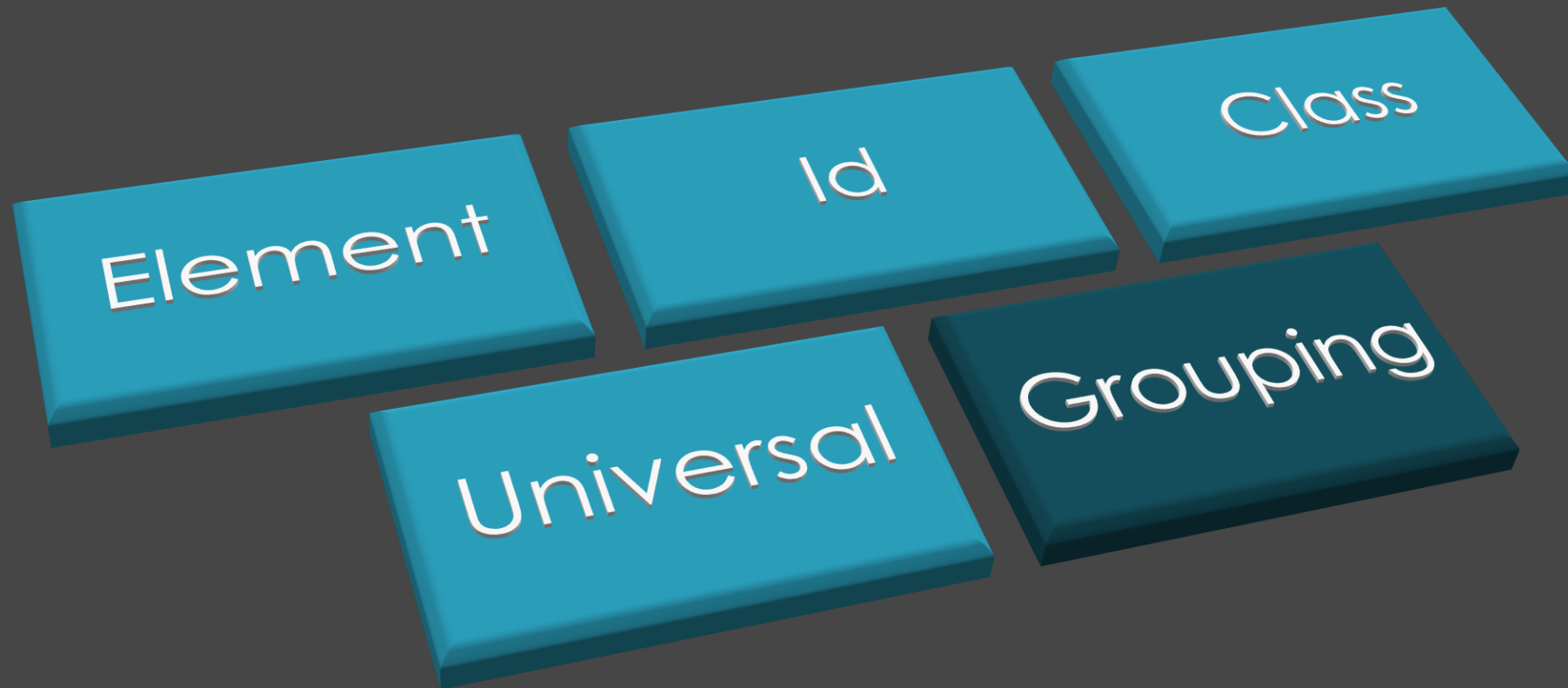
# Simple Selector



# Universal (\*)

```
1 <html>
2   <head>
3     <title>Universal Selector</title>
4     <style type="text/css">
5       /* Semua Element berwarna text ungu */
6       * {
7         color: purple;
8       }
9     </style>
10  </head>
11  <body>
12    <span>Cascading</span>
13    <p>Style</p>
14    <div>Sheets</div>
15  </body>
16 </html>
```

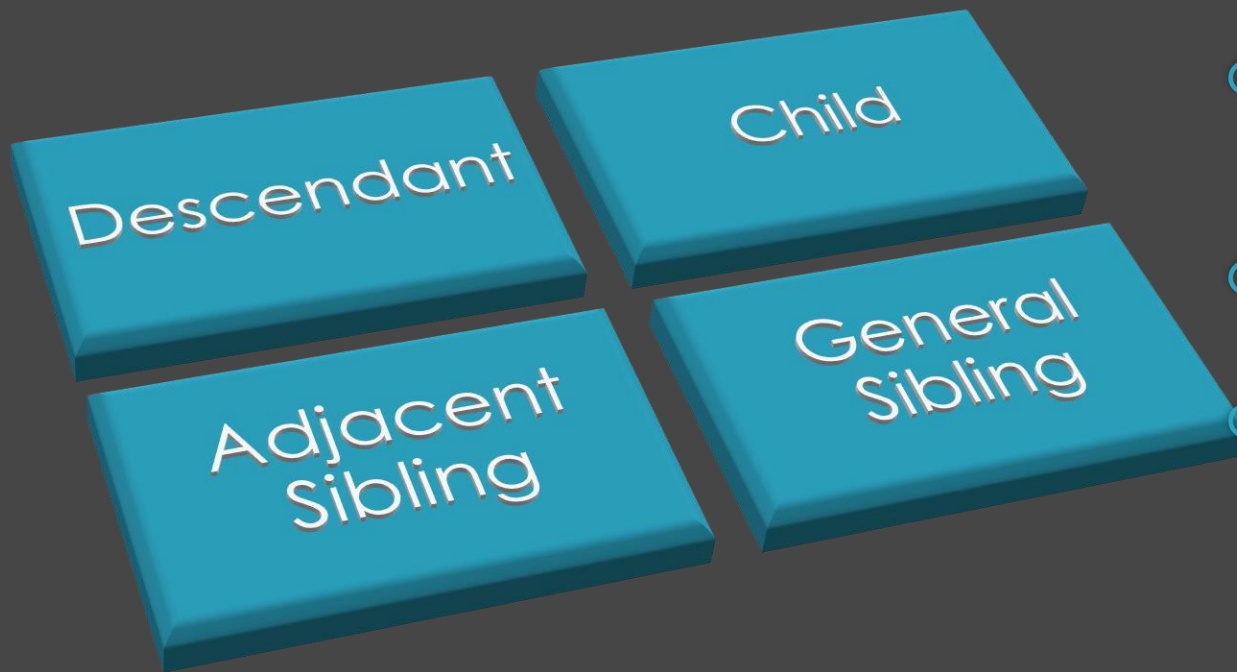
# Simple Selector



# Grouping (,)

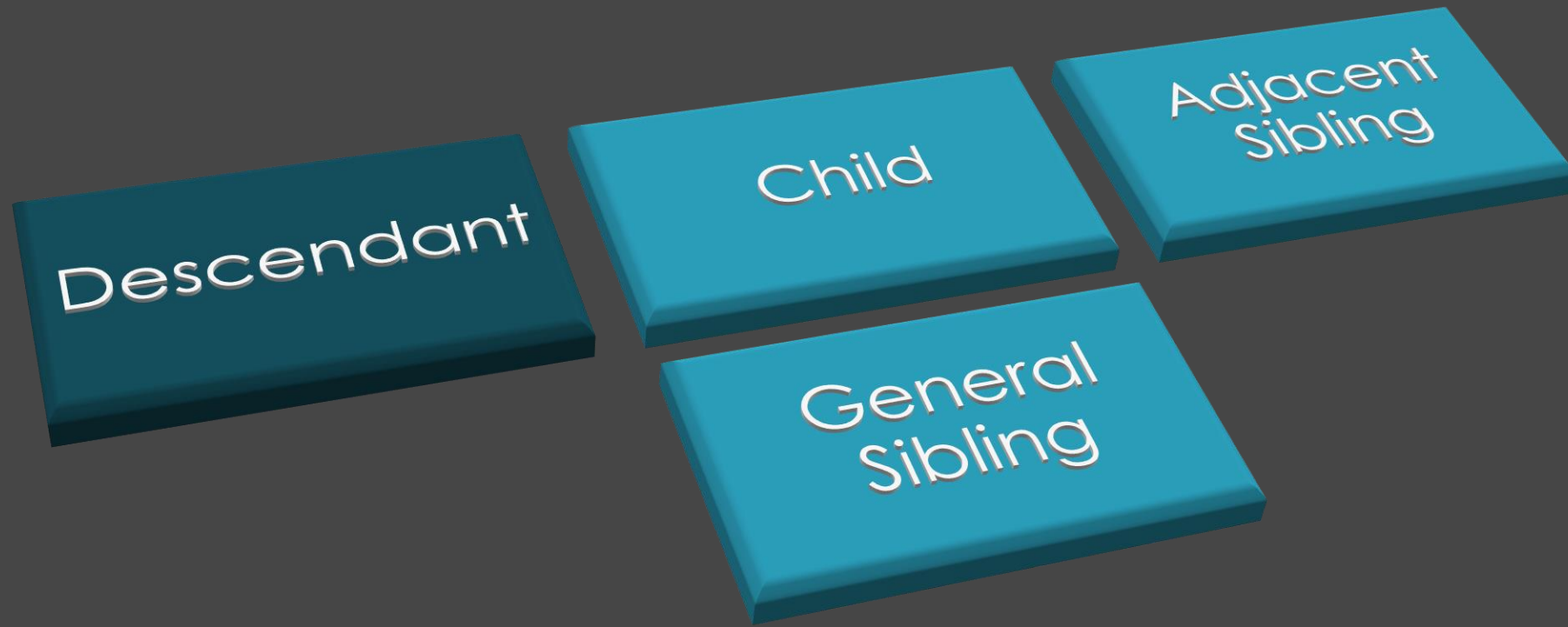
```
1 <html>
2   <head>
3     <title>Grouping Selector</title>
4     <style type="text/css">
5       /* Semua Element span dan div berwarna text abu */
6       span, div {
7         color: gray;
8       }
9     </style>
10  </head>
11  <body>
12    <span>Cascading</span>
13    <p>Style</p>
14    <div>Sheets</div>
15  </body>
16 </html>
```

# Combinator Selectors



- **Combinator Selectors** merupakan sesuatu yang menjelaskan hubungan antara selectors.
- **Selector** dapat berisi lebih dari satu Simple Selectors.
- Diantara **Simple Selectors** kita dapat meng-include **Combinator**.

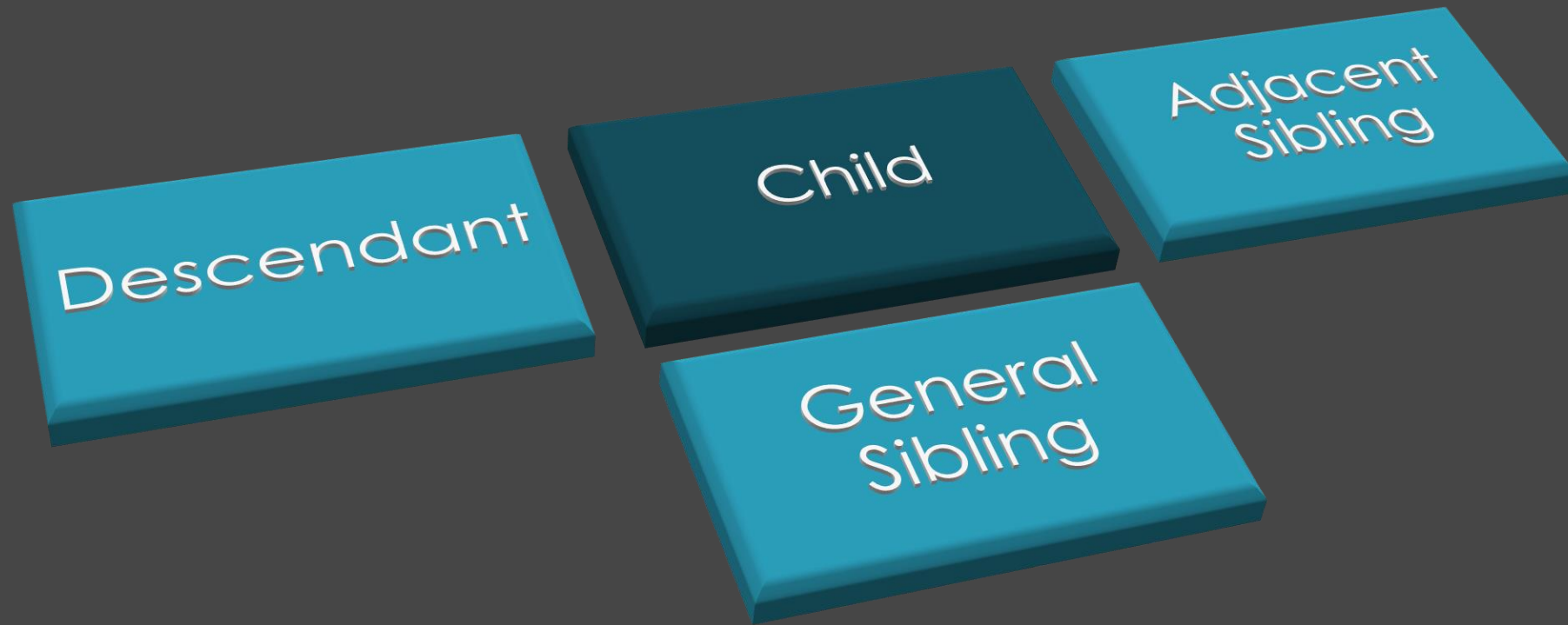
# Combinator Selectors



# Descendant (space)

```
1 <html>
2   <head>
3     <title>Descendant Selector</title>
4     <style type="text/css">
5       /* Semua Element span dalam div berwarna text kuning */
6       div span {
7         color: yellow;
8       }
9     </style>
10  </head>
11  <body>
12    <div>Cascading</div>
13    <span>Style</span>
14    <div>
15      <span>Sheets</span>
16    </div>
17    <div>
18      <p><span>CSS</span></p>
19    </div>
20  </body>
21 </html>
```

# Combinator Selectors

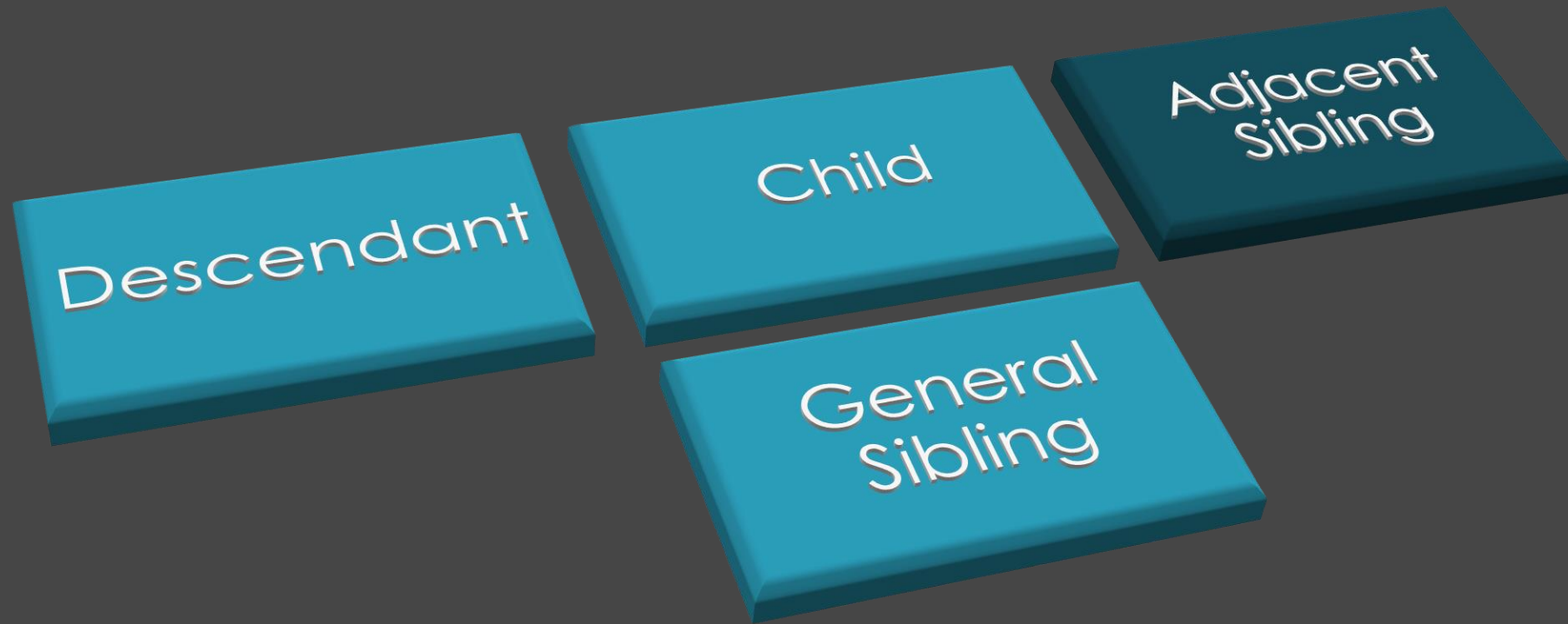




# Child (>)

```
1 <html>
2   <head>
3     <title>Child Selector</title>
4     <style type="text/css">
5       /* Semua Element span tepat dalam div berwarna text orange */
6       div > span {
7         color: orange;
8       }
9     </style>
10  </head>
11  <body>
12    <div>Cascading</div>
13    <span>Style</span>
14    <div>
15      <span>Sheets</span>
16    </div>
17    <div>
18      <p><span>CSS</span></p>
19    </div>
20  </body>
21 </html>
```

# Combinator Selectors

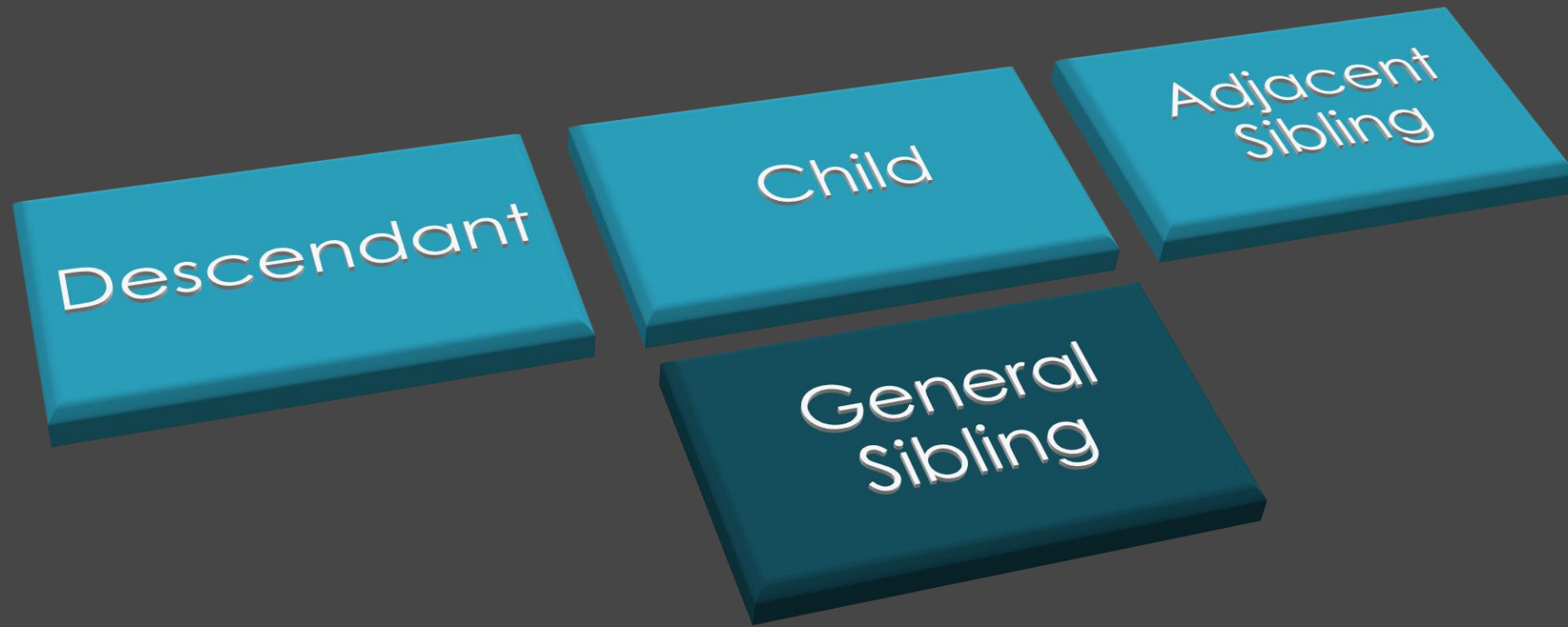


# Adjacent Sibling (+)

adjacent\_sibling.html

```
1 <html>
2   <head>
3     <title>Adjacent Sibling Selector</title>
4     <style type="text/css">
5       /* Semua Element span tepat setelah div berwarna text cyan */
6       div + span {
7         color: cyan;
8       }
9     </style>
10  </head>
11  <body>
12    <div>Cascading</div>
13    <span>Style</span>
14    <p>Sheets</p>
15    <span>CSS</span>
16  </body>
17 </html>
```

# Combinator Selectors



# General Sibling (~)

```
general_sibling.html x
1 <html>
2   <head>
3     <title>General Sibling Selector</title>
4     <style type="text/css">
5       /* Semua Element span setelah div berwarna text magenta */
6       div ~ span {
7         color: magenta;
8       }
9     </style>
10  </head>
11  <body>
12    <div>Cascading</div>
13    <span>Style</span>
14    <p>Sheets</p>
15    <span>CSS</span>
16  </body>
17 </html>
```

# Pseudo-class Selectors

## Syntax

```
selector:pseudo-class {  
    property: value;  
}
```

- Pseudo-class digunakan untuk mendefinisikan keadaan khusus dari suatu elemen.

# Pseudo-class (:)

```
pseudo-class.html x
1 <html>
2   <head>
3     <title>Pseudo-class Selector</title>
4     <style type="text/css">
5       /* Semua Element a ketika dihover berwarna text merah */
6       a:hover {
7         color: red;
8       }
9     </style>
10  </head>
11  <body>
12    <a href="#">CSS</a>
13  </body>
14 </html>
```

# Pseudo-elements Selectors

## Syntax

```
selector::pseudo-element {  
    property: value;  
}
```

- Pseudo-element digunakan untuk mengatur style bagian tertentu dari suatu elemen.



# Pseudo-elements (::)

```
pseudo-element.html x
1 <html>
2   <head>
3     <title>Pseudo-element Selector</title>
4     <style type="text/css">
5       /* Semua Element p memiliki awal baris berwarna text hijau */
6       p::first-line {
7         color: green;
8       }
9     </style>
10  </head>
11  <body>
12    <p>Cascading<br>Style<br>Sheets</p>
13    <p>Cascading<br>Style<br>Sheets</p>
14  </body>
15 </html>
```

# Attribute Selectors

- [attribute="value"]  
Selector dengan nilai attribute spesifik "value"
- [attribute~="value"]  
Selector dengan nilai attribute mengandung string "value", nilainya harus seluruh kata
- [attribute|="value"]  
Selector dengan nilai attribute spesifik "value" atau diawali string "value-", nilainya harus seluruh kata

# Attribute Selectors

- [attribute^="value"]

Selector dengan nilai attribute diawali string "value", nilainya tidak harus seluruh kata

- [attribute\$="value"]

Selector dengan nilai attribute diakhiri string "value", nilainya tidak harus seluruh kata

- [attribute\*="value"]

Selector dengan nilai attribute mengandung string "value", nilainya tidak harus seluruh kata

# Attribute Selectors

attribute.html

```
1 <html>
2   <head>
3     <title>Attribute Selector</title>
4     <style type="text/css">
5       /* Semua Element a dengan title css berwarna text coklat */
6       a[title="css"] {
7         color: brown;
8       }
9     </style>
10  </head>
11  <body>
12    <a href="#" title="css">CSS</a>
13    <a href="#" title="link">CSS</a>
14    <a href="#">CSS</a>
15  </body>
16 </html>
```

# Latihan

[https://www.w3schools.com/css/css\\_exercises.asp](https://www.w3schools.com/css/css_exercises.asp)



# Tugas

[https://www.w3schools.com/css/css\\_quiz.asp](https://www.w3schools.com/css/css_quiz.asp)

