

HTML5 & Csst3

Ahmed Elashry
aelashry@outlook.com

- *Selectors
- *Box Model
- *Backgrounds and Borders
- *Text Effects
- *2D/3D Transformations
- *Animations
- *Multiple Column Layout

*Some of the most important CSS3 modules are:

<u>.class</u>	.intro	Selects all elements with class="intro"
.class1.class2	.name1.name2	Selects all elements with both <i>name1</i> and <i>name2</i> set within its class attribute
.class1 .class2	.name1 .name2	Selects all elements with <i>name2</i> that is a descendant of an element with <i>name1</i>
<u>#id</u>	#firstname	Selects the element with id="firstname"
*	*	Selects all elements
<u>element</u>	p	Selects all <p> elements

*CSS Selectors

<u><i>element.class</i></u>	p.intro	Selects all <p> elements with class="intro"
<u><i>element,element</i></u>	div, p	Selects all <div> elements and all <p> elements
<u><i>element element</i></u>	div p	Selects all <p> elements inside <div> elements
<u><i>element>element</i></u>	div > p	Selects all <p> elements where the parent is a <div> element
<u><i>element+element</i></u>	div + p	Selects the first <p> element that is placed immediately after <div> elements
<u><i>element1~element2</i></u>	p ~ ul	Selects every element that is preceded by a <p> element
[<u><i>attribute</i></u>]	[target]	Selects all elements with a target attribute

*CSS Selectors

<code>[attribute=value]</code>	<code>[target="_blank"]</code>	Selects all elements with <code>target="_blank"</code>
<code>[attribute~=value]</code>	<code>[title~="flower"]</code>	Selects all elements with a title attribute containing the word "flower"
<code>[attribute =value]</code>	<code>[lang]="en"]</code>	Selects all elements with a lang attribute value equal to "en" or starting with "en-"
<code>[attribute^=value]</code>	<code>a[href^="https"]</code>	Selects every <a> element whose href attribute value begins with "https"
<code>[attribute\$=value]</code>	<code>a[href\$=".pdf"]</code>	Selects every <a> element whose href attribute value ends with ".pdf"
<code>[attribute*=value]</code>	<code>a[href*="w3schools"]</code>	Selects every <a> element whose href attribute value contains the substring "w3schools"

*CSS Selectors

<u>:active</u>	a:active	Selects the active link
<u>::after</u>	p::after	Insert something after the content of each <p> element
<u>::before</u>	p::before	Insert something before the content of each <p> element
<u>:checked</u>	input:checked	Selects every checked <input> element
<u>:default</u>	input:default	Selects the default <input> element
<u>:disabled</u>	input:disabled	Selects every disabled <input> element
<u>:empty</u>	p:empty	Selects every <p> element that has no children (including text nodes)
<u>:enabled</u>	input:enabled	Selects every enabled <input> element

[CSS Selectors Reference \(w3schools.com\)](https://www.w3schools.com/css/css_selectors.asp)

*CSS Selectors

1

Vendor Prefix



Vendor Prefix

Prefix	Organization
-moz-	Mozilla Foundation
-ms-	Microsoft
-o-	Opera Software
-webkit-	Safari and Chrome

2

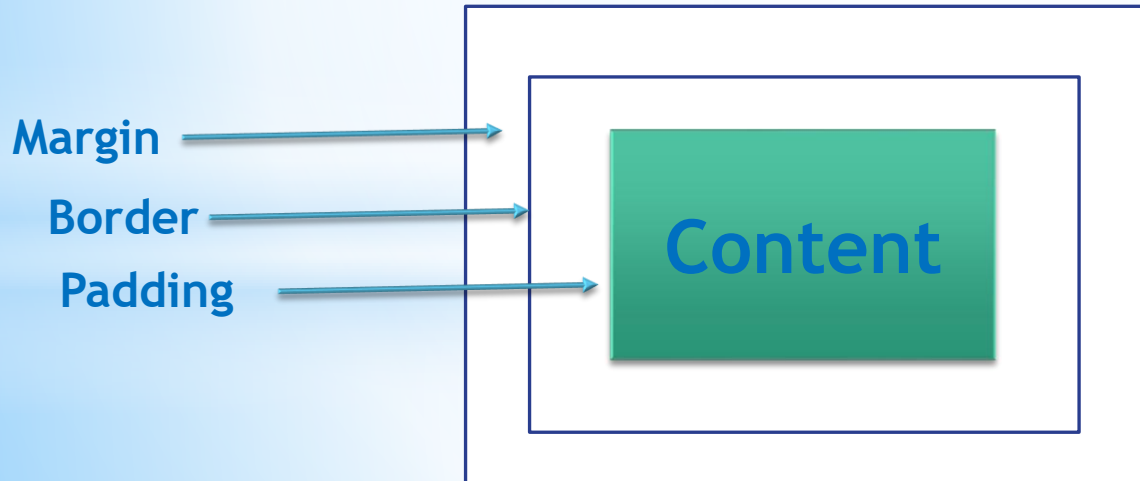
Box Model



Box Model ...



The Box Model consists of:
margins, borders, padding, and the actual content.













3

Border



Border...

```
border : 5px solid blue; //short hand  
-moz-border: 5px solid blue;  
-webkit-border: 5px solid blue;  
-ms-border: 5px solid blue;
```

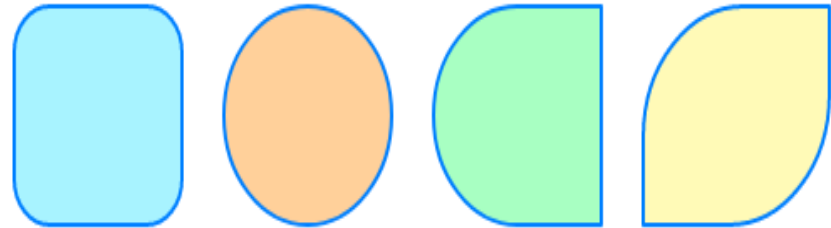
 dotted	 dashed
 solid	 double
 groove	 ridge
 inset	 outset
 none	 hidden



Border Radius...

```
border-radius: 30px;  
border-radius: 10px 20px 30px 40px;  
border-radius: 10px 20px 30px 40px / 20px  
30px 40px 50px;  
border-radius: 10px 20px 30px 40px / 10px;  
border-radius: 10px 20px;  
border-radius: 10px 20px 30px;  
border-radius: 50%  
height: 100px;  
width: 100px;
```

CSS Border Radius



<https://www.html-code-generator.com/css/border-radius-generator>

4

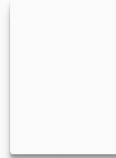
Shadow



Shadow...

```
box-shadow: 5px 10px 20px 30px gray inset;  
// h-offset v-offset blur spread color inset
```

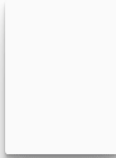
.shadow-4



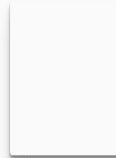
.shadow-5



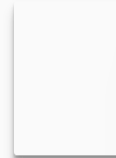
.shadow-6



.shadow-sharp



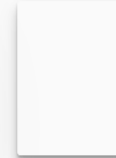
.shadow-diffuse



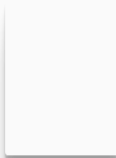
.shadow-dreamy



.shadow-shorter



.shadow-longer



5

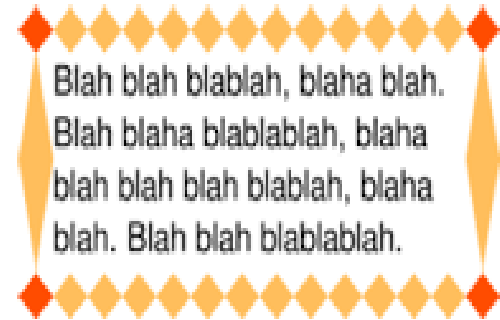
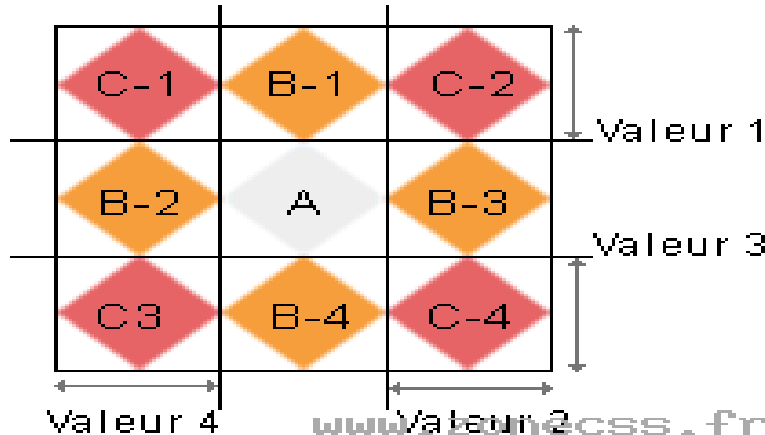
Border Image



Border Image...

```
border-image: url("");
border-image-slice: 30;
border-image-repeat: round / stretch / repeat;
```

Image slice



6

Fonts



Fonts...

```
font-family: "Time New Roman", Times, Serfi;  
font-size: 5 em;  
font-style:italic;  
font-weight:bold;
```

Try this

Fonts Extension:

TTF → "True Type Font"

OTF → "Open Type Font"

WOFF → "web Open Font"

WOFF2 → "Web Open Font2"

SVG → " Scalable Vector Graphic"



User Fonts...

```
font-family: "Time New Roman", Times, Serfi;  
font-size: 5 em;  
font-style:italic;  
font-weight:bold;
```

Steps :

1. Download files of font.
2. Install font.

Try this



Server Fonts...

```
@font-face{  
  font-family: NewFont;  
  src: url (""),url ("")  
}  
  
#div2{  
  font-family: NewFont , Tahoma;  
  font-size: 5 em;  
}
```

Try this



Web Fonts...

Use Google Fonts

Look for your need and copy link of font .

<https://fonts.google.com/>

7

Icons



Icons...

Ways to use Icons in your website:

1. Use Image and change in width and height ✖
2. Download SVG ✖
3. Use Font Awesome <https://fontawesome.com/>



8

Transform



Transform...

Transform has important property

- ☐ Translate
- ☐ Rotate
- ☐ Scale
- ☐ Skew

Transform: `translate(50px,100px)`

Transform: `rotate(20 deg)` *//(-20deg)*

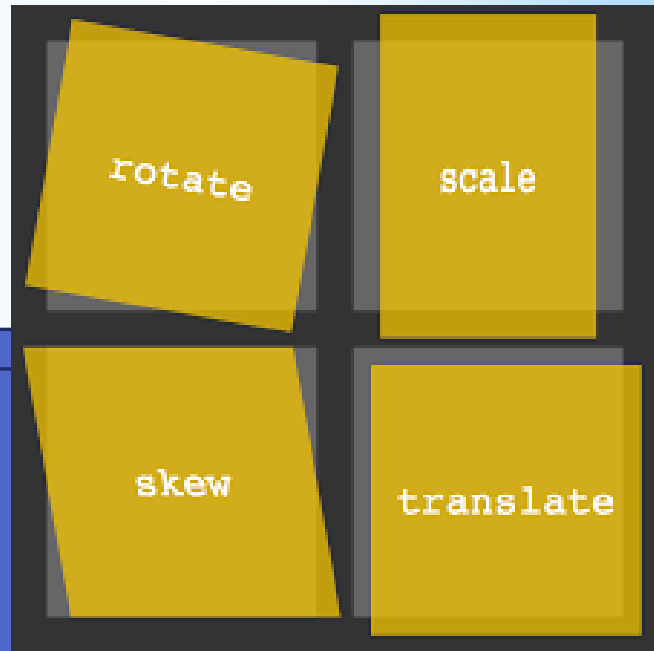
Transform: `scale(2,3)`

Transform: `skew(20deg ,30deg)`

Transform: `skew(20deg)`

Transform:

`matrix(scaleX(),skewY(),skewX(),scaleY(),translateX(),translateY())`



9

Transition

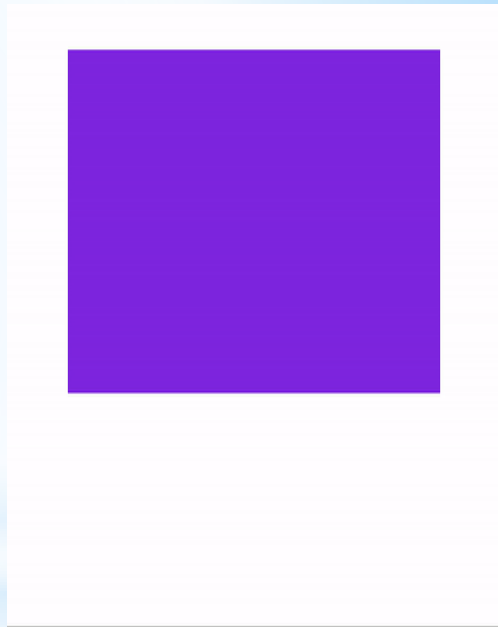


Transition...

Transition has important property

- ☐ property
- ☐ duration
- ☐ delay
- ☐ timing-function

```
Transition-property: width / width,height / all  
Transition-duration:3 s;  
Transition-delay:1 s;  
Transition-timing-function: ease  
Transition: all 3s;
```

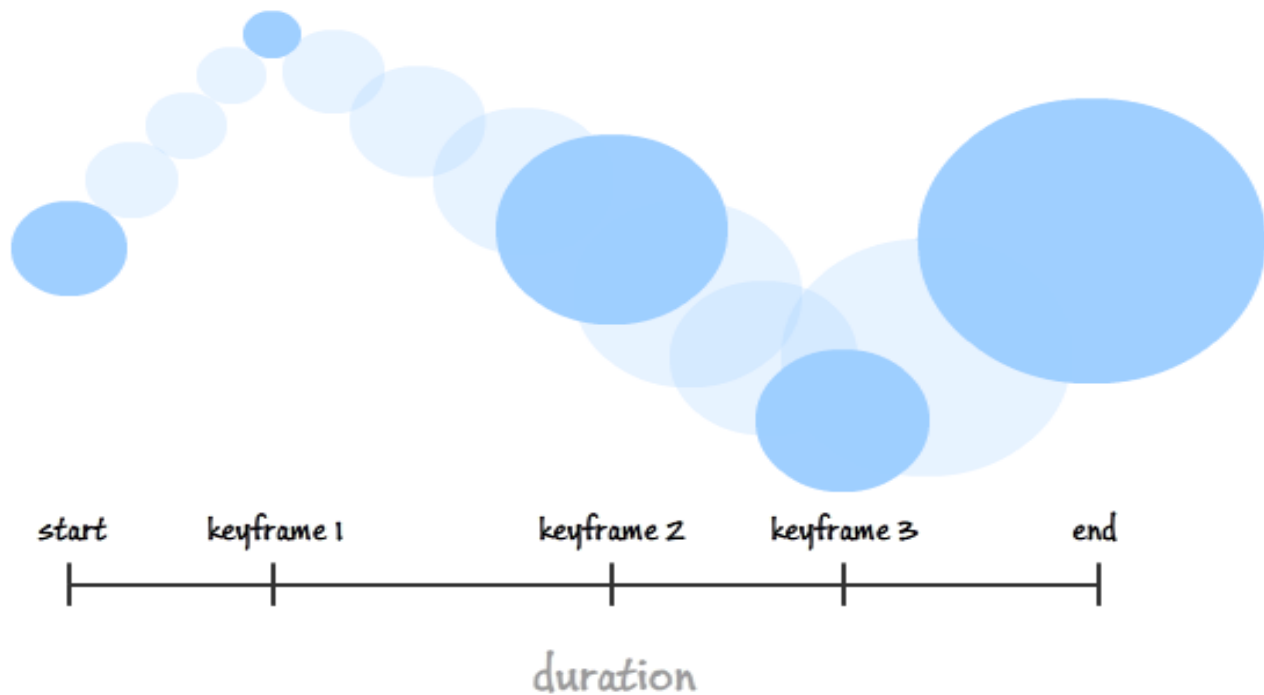


10

Animation



Animation...





Animation...

```
@keyFrames example{
  0% {background-color:red;}
  25% {background-color:yellow;}
  50% {background-color:orange;}
  75% {background-color:blue;}
  100% {background-color:black;}
}
div{
  animation-name: example;
  animation-duration: 4s;
  animation: example 4s;
  animation-iteration-count: 4 / infinite;
  animation-direction: normal / reverse/ alternate
}
```



11

Gradient Color



Gradient Color...

```
background: linear-gradient(red,yellow);  
background: linear-gradient(to  
right,red,yellow);  
background: radial-gradient(red,yellow);
```

Try this

12

CSS Columns



CSS Columns...

```
Column-count: 3;  
Column-gap: 2px;  
Column-rule: solid 3px blue;
```

Try this

Thank
you