

Box Model

- + **margin**: Kutu dışı boşluk
- + **border**: Kutunun kenarlığı
- + **padding**: Kutunun içi boşluk
 - + Kutu içi – içerik arasındaki
- + Bazı özellikler default olarak browser'ın kendisinden gelir
 - + Değiştirmek için reset etmek gerekir



Box Model (ÖNCESİ)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8     body {
9       background-color: gray;
10    }
11
12    #box {
13      background-color: blue;
14    }
15    #content {
16      background-color: #90EE90; /*green*/
17    }
18
19    h1 {
20      margin-bottom: 30px;
21    }
22
23  </style>
24 </head>
25 <body>
26
27   <h1>Box Model</h1>
28
29   <div id="box">
30     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
31   </div>
32
33
34 </body>
35 </html>
```

Box Model (SONUÇ)

Box Model

Lorem ipsum dolor sit amet, consectetur adipiscing elit.



Box Model – MARGIN&PADDING RESET

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>The Box Model</title>
6 <style>
7
8   body {
9     background-color: gray;
10    margin: 0;
11    padding: 0;
12  }
13
14  #box {
15    background-color: blue;
16  }
17  #content {
18    background-color: #90EE90; /*green*/
19  }
20
21  h1 {
22    margin-bottom: 30px;
23  }
24
25 </style>
26 </head>
27 <body>
28
29 <h1>Box Model</h1>
30
31 <div id="box">
32   <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
33 </div>
34
35
36 </body>
37 </html>
```

Box Model – MARGIN&PADDING RESET

Box Model

Lorem ipsum dolor sit amet, consectetur adipiscing elit.



Box Model – PADDING EKLEME

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>The Box Model</title>
6 <style>
7
8 body {
9   background-color: gray;
10  margin: 0;
11  padding: 0;
12 }
13
14 #box {
15   background-color: blue;
16   padding: 10px 10px 10px 10px;
17 }
18 #content {
19   background-color: #90EE90; /*green*/
20 }
21
22 h1 {
23   margin-bottom: 30px;
24 }
25
26 </style>
27 </head>
28 <body>
29
30 <h1>Box Model</h1>
31
32 <div id="box">
33   <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
34 </div>
35
36
37 </body>
38 </html>
```


Box Model - PADDING EKLEME

Box Model

Lorem ipsum dolor sit amet, consectetur adipiscing elit.


Box Model – BORDER&MARGIN EKLEME

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>The Box Model</title>
6 <style>
7
8 body {
9   background-color: gray;
10  margin: 0;
11  padding: 0;
12 }
13
14 #box {
15   background-color: blue;
16   padding: 10px 10px 10px 10px;
17   border: 5px solid black;
18   margin: 40px;
19 }
20 #content {
21   background-color: #90EE90; /*green*/
22 }
23
24 h1 {
25   margin-bottom: 30px;
26 }
27
28 </style>
29 </head>
30 <body>
31
32 <h1>Box Model</h1>
33
34 <div id="box">
35   <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
36 </div>
37
38
39 </body>
40 </html>
```


Box Model - BORDER & MARGIN EKLEME

Box Model

Lorem ipsum dolor sit amet, consectetur adipiscing elit.



Box Sizing

- + Default olarak browser tarafından konulan box tipi **content-box**'tir
 - + Sadece içeriğin büyüklüğünü ifade eder.
- + Bootstrap framework'te de kullanılan ve kullanımı önerilen box tipi ise **border-box**'tir.
 - + **Margin** hariç olmak üzere **border**, **padding** ve **içerik** ile birlikte tüm kutunun toplam büyüklüğünü ifade eder.



Box SIZING – CONTENT BOX (DEFAULT)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>The Box Model</title>
6 <style>
7
8   body {
9     background-color: gray;
10    margin: 0;
11    padding: 0;
12  }
13
14  #box {
15    background-color: blue;
16    padding: 10px 30px 10px 30px;
17    border: 20px solid black;
18    margin: 40px;
19    width: 300px;
20  }
21  #content {
22    background-color: #90EE90; /*green*/
23  }
24
25  h1 {
26    margin-bottom: 30px;
27  }
28
29 </style>
30 </head>
31 <body>
32
33 <h1>Box Model</h1>
34
35 <div id="box">
36   <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
37 </div>
38
39 </body>
40 </html>
```

Box Sizing – BORDER BOX

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <title>The Box Model</title>
6 <style>
7
8 body {
9   background-color: gray;
10  margin: 0;
11  padding: 0;
12 }
13
14 #box {
15   background-color: blue;
16   padding: 10px 30px 10px 30px;
17   border: 20px solid black;
18   margin: 40px;
19   width: 300px;
20   box-sizing: border-box;
21 }
22 #content {
23   background-color: #90EE90; /*green*/
24 }
25
26 h1 {
27   margin-bottom: 30px;
28 }
29
30 </style>
31 </head>
32 <body>
33
34 <h1>Box Model</h1>
35
36 <div id="box">
37   <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
38 </div>
39
40 </body>
41 </html>
```



Box Sizing

+ Content Box

+ Border Box

Box Model

Lorem ipsum dolor sit amet, consectetur
adipiscing elit.

Box Model

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.

Box Sizing

- + Box sizing kalıtım yoluyla aktarılamaz (inheritence)
 - + Yani bir parent tag'te tanımlanınca altında yer alan tag'lere bu özellik geçmez
- + Bu durumda box-sizing'i tüm elemanlara uygulayabilmek için **star-shape selector (*)** kullanılır.



BOX SIZING – STAR SHAPE SELECTOR

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8   {
9     *{
10      box-sizing: border-box;
11    }
12
13    body {
14      background-color: gray;
15      margin: 0;
16      padding: 0;
17    }
18
19    #box {
20      background-color: blue;
21      padding: 10px 30px 10px 30px;
22      border: 20px solid black;
23      margin: 40px;
24      width: 300px;
25    }
26
27    #content {
28      background-color: #90EE90; /*green*/
29    }
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31    h1 {
32      margin-bottom: 30px;
33    }
34
35  </style>
36 </head>
37 <body>
38
39   <h1>Box Model</h1>
40
41   <div id="box">
42     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
43   </div>
44
45 </body>
46 </html>
```

Box Sizing – BEFORE BROWSER RESET

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <title>The Box Model</title>
6    <style>
7
8      * {
9        box-sizing: border-box;
10     }
11
12     body {
13       background-color: gray;
14     }
15     ... margin: 0;
16     ... padding: 0;
17   }
18
19   #box {
20     background-color: blue;
21     padding: 10px 30px 10px 30px;
22     border: 20px solid black;
23     margin: 40px;
24     width: 300px;
25   }
26   #content {
27     background-color: #90EE90; /*green*/
28   }
29
30   h1 {
31     margin-bottom: 30px;
32   }
33 </style>
34 </head>
35 <body>
36
37   <h1>Box Model</h1>
38
39   <div id="box">
40     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
41   </div>
42
43
44 </body>
45 </html>
```

BOX SIZING – BEFORE BROWSER RESET RESULT

Box Model

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.

Box Sizing – AFTER BROWSER RESET

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8     * {
9       box-sizing: border-box;
10      margin: 0;
11      padding: 0;
12    }
13
14    body {
15      background-color: gray;
16    }
17
18    #box {
19      background-color: blue;
20      padding: 10px 30px 10px 30px;
21      border: 20px solid black;
22      margin: 40px;
23      width: 300px;
24    }
25    #content {
26      background-color: #90EE90; /*green*/
27    }
28
29    h1 {
30      margin-bottom: 30px;
31    }
32
33  </style>
34 </head>
35 <body>
36
37   <h1>Box Model</h1>
38
39   <div id="box">
40     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. </div>
41   </div>
42
43
44 </body>
45 </html>
```

Box Sizing – AFTER BROWSER RESET RESULT

Box Model

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.

Box Sizing – Long Text

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8     * {
9       box-sizing: border-box;
10      margin: 0;
11      padding: 0;
12    }
13
14    body {
15      background-color: gray;
16    }
17
18    #box {
19      background-color: blue;
20      padding: 10px 30px 10px 30px;
21      border: 5px solid black;
22      margin: 40px;
23      width: 300px;
24    }
25    #content {
26      background-color: #90EE90; /*green*/
27    }
28
29    h1 {
30      margin-bottom: 30px;
31    }
32
33  </style>
34 </head>
35 <body>
36
37   <h1>Box Model</h1>
38
39   <div id="box">
40     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Suscipit error quis ab perspiciatis eos inventore recusandae iste itaque numquam facilis, tenetur. Doloribus officiis quae facilis,
41       nisi, ex similique. Animi, perferendis. </div>
42   </div>
43
44 </body>
45 </html>
```


Box Sizing - LONG TEXT (RESULT)

Box Model

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Suscipit error quis ab perspiciatis
eos inventore recusandae iste
itaque numquam facilis, tenetur.
Doloribus officiis quae facilis, nisi,
ex similique. Animi, perferendis.



Box Sizing – Overflow

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8     * {
9       box-sizing: border-box;
10      margin: 0;
11      padding: 0;
12    }
13
14    body {
15      background-color: gray;
16    }
17
18    #box {
19      background-color: blue;
20      padding: 10px 30px 10px 30px;
21      border: 5px solid black;
22      margin: 40px;
23      width: 300px;
24      height: 50px;
25    }
26
27    #content {
28      background-color: #90EE90; /*green*/
29    }
30
31    h1 {
32      margin-bottom: 30px;
33    }
34  </style>
35 </head>
36 <body>
37
38   <h1>Box Model</h1>
39
40   <div id="box">
41     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Suscipit error quis ab perspiciatis eos inventore recusandae iste itaque numquam facilis, tenetur. Doloribus officiis quae facilis,
42     nisi, ex similique. Animi, perferendis. </div>
43   </div>
44
45 </body>
46 </html>
```

BOX SIZING - OVERFLOW (RESULT)

Box Model

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
Suscipit error quis ab perspiciatis
eos inventore recusandae iste
itaque numquam facilis, tenetur.
Doloribus officiis quae facilis, nisi,
ex similique. Animi, perferendis.



Box Sizing – Auto Overflow

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <title>The Box Model</title>
6   <style>
7
8     * {
9       box-sizing: border-box;
10      margin: 0;
11      padding: 0;
12    }
13
14    body {
15      background-color: gray;
16    }
17
18    #box {
19      background-color: blue;
20      padding: 10px 30px 10px 30px;
21      border: 5px solid black;
22      margin: 40px;
23      width: 300px;
24      height: 50px;
25      overflow: auto;
26    }
27
28    #content {
29      background-color: #90EE90; /*green*/
30    }
31
32    h1 {
33      margin-bottom: 30px;
34    }
35  </style>
36 </head>
37 <body>
38
39   <h1>Box Model</h1>
40
41   <div id="box">
42     <div id="content">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Suscipit error quis ab perspiciatis eos inventore recusandae iste itaque numquam facilis, tenetur. Doloribus officiis quae facilis,
43     nisi, ex similique. Animi, perferendis. </div>
44   </div>
45
46 </body>
47 </html>
48
```

Box Sizing – AUTO OVERFLOW (RESULT)

Box Model

