

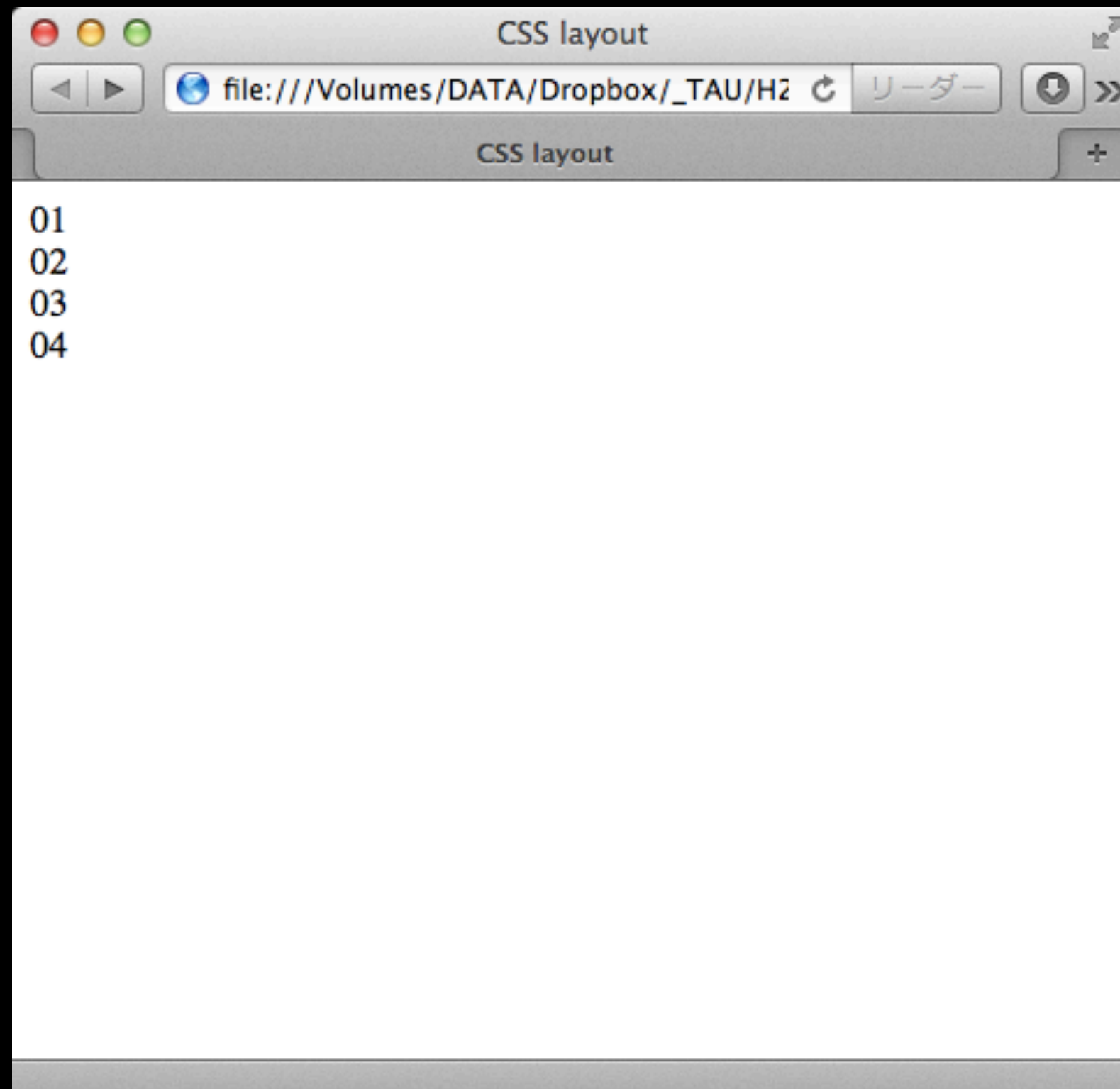
CSSレイアウト

- ・ フロー・レイアウト
- ・ ポジション・レイアウト
 - static
 - fixed
 - absolute
 - relative

フローレイアウト

CSS_layout_00

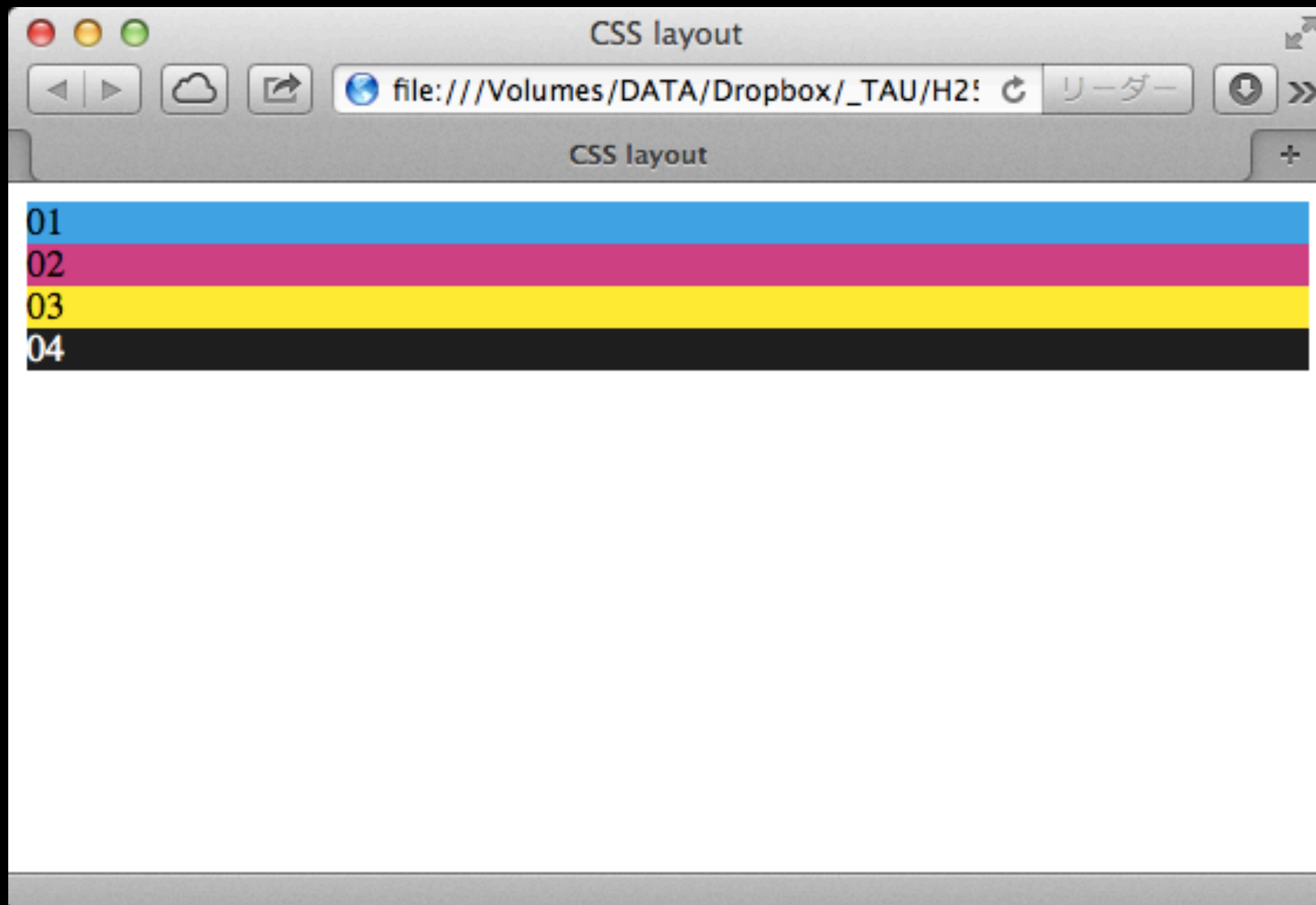
```
1 <!doctype html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>CSS layout</title>
6 <link href="styles.css" rel="stylesheet" type="text/css">
7 </head>
8 <body>
9 <div class="box01">01</div>
10 <div class="box02">02</div>
11 <div class="box03">03</div>
12 <div class="box04">04</div>
13 </body>
14 </html>
```



```
1  @charset "UTF-8";
2  /* CSS Document */
3
4  .box01 {
5      background:#00A0E9;
6  }
7
8  .box02 {
9      background:#E4007F;
10 }
11
12 .box03 {
13     background:#FFF000;
14 }
15
16 .box04 {
17     background:#222222;
18     color:#FFFFFF;
19 }
```

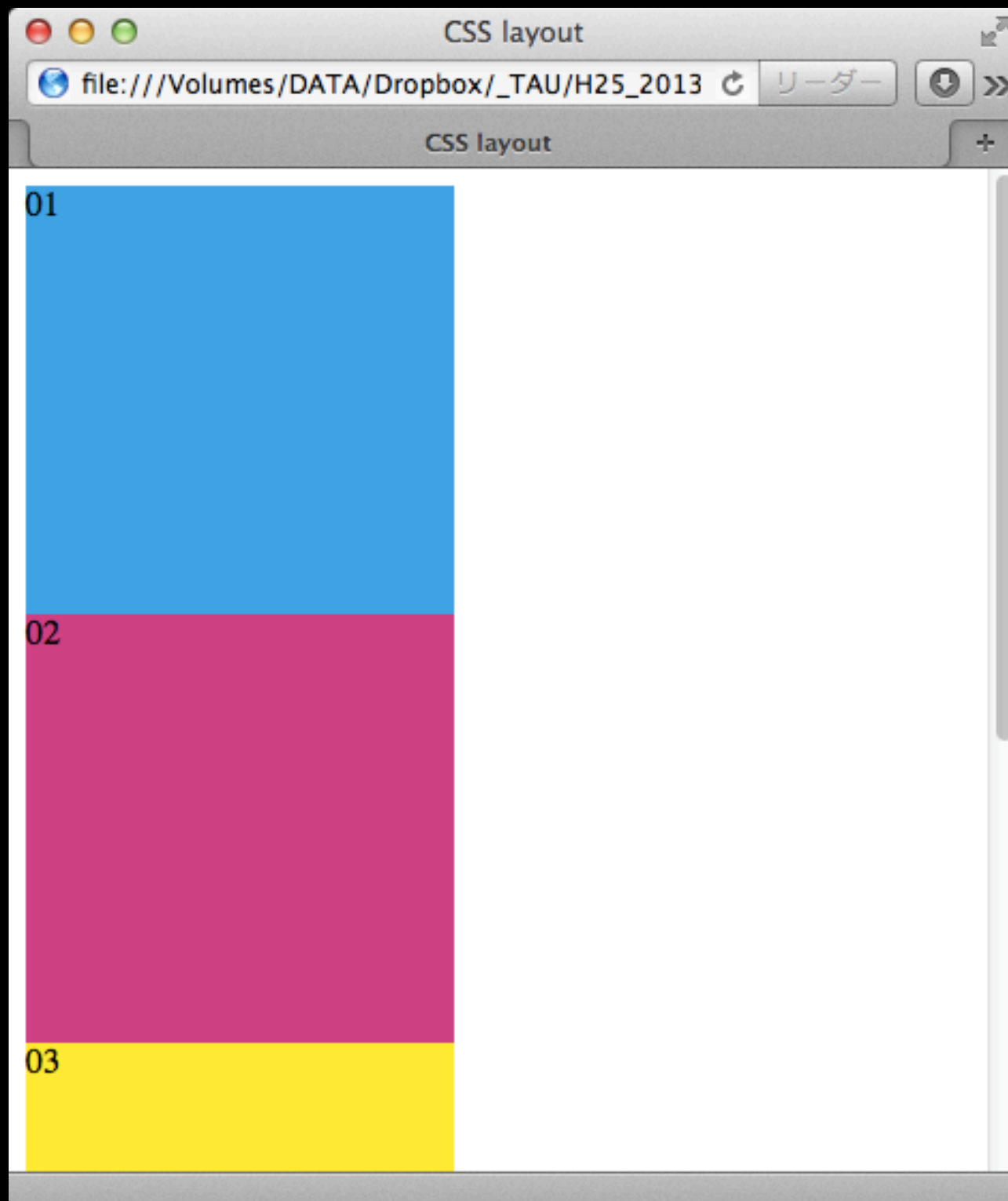
CSS_layout_01

ボックス・モデル



CSS_layout_02

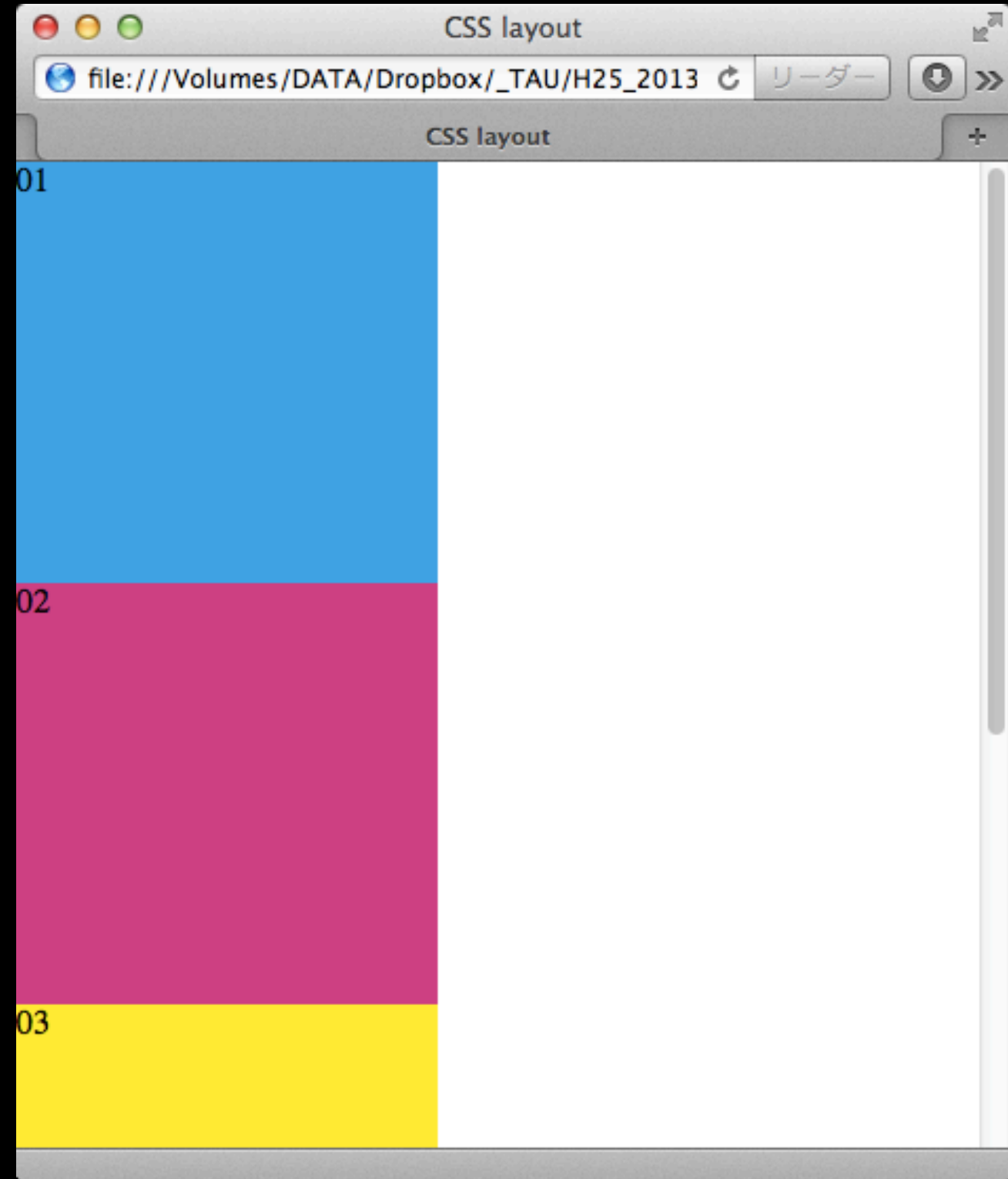
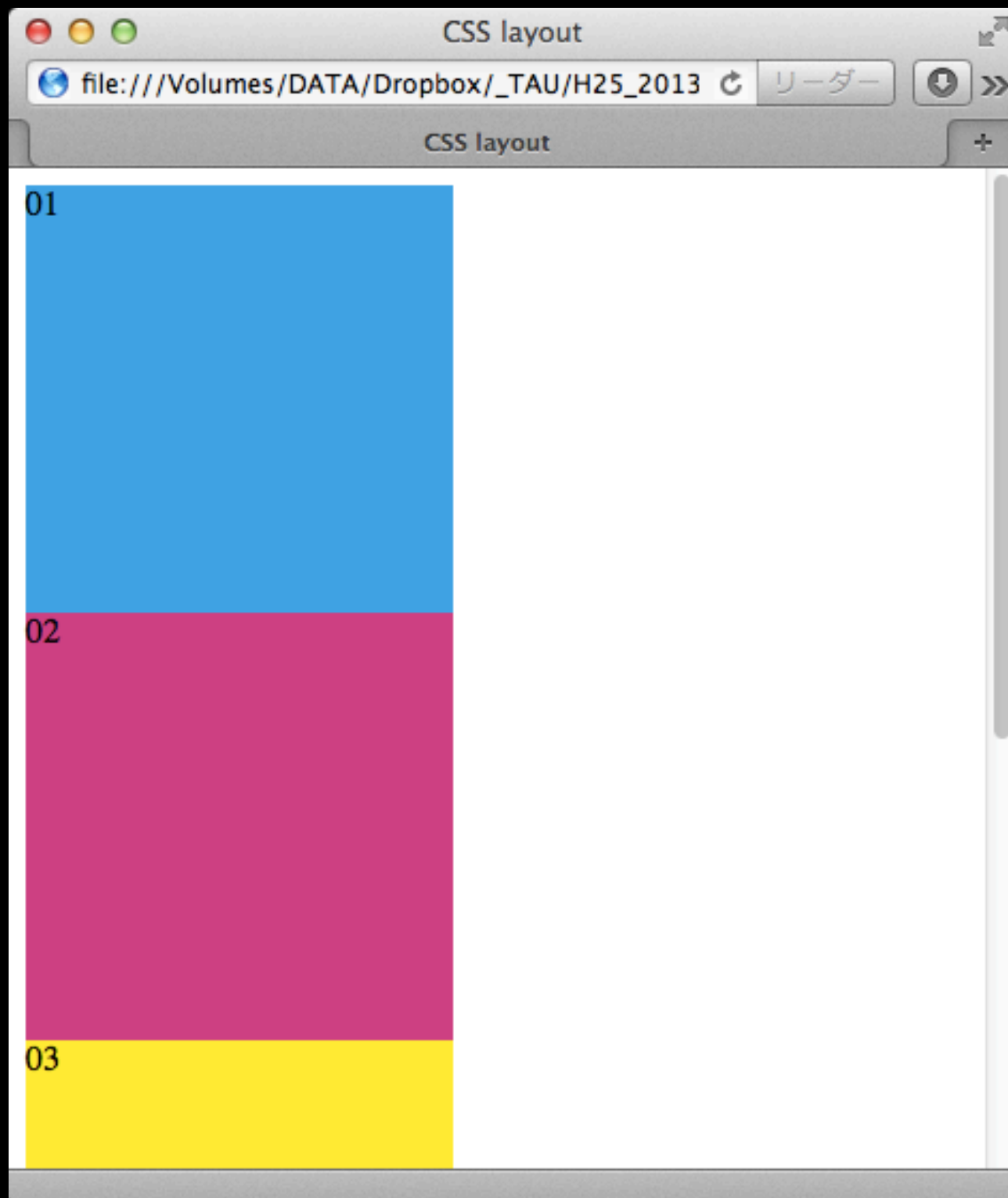
ボックスのサイズ指定



```
1  @charset "UTF-8";
2  /* CSS Document */
3
4  body {
5      margin: 0px;
6      padding: 0px;
7  }
8
9  .box01 {
10     background: #00A0E9;
11     width: 200px;
12     height: 200px;
13 }
14
15 .box02 {
16     background: #E4007F;
17     width: 200px;
18     height: 200px;
19 }
20
21 .box03 {
22     background: #FFF000;
23     width: 200px;
24     height: 200px;
25 }
26
27 .box04 {
28     background: #222222;
29     width: 200px;
30     height: 200px;
31 }
32
```

CSS_layout_03

bodyのマージン



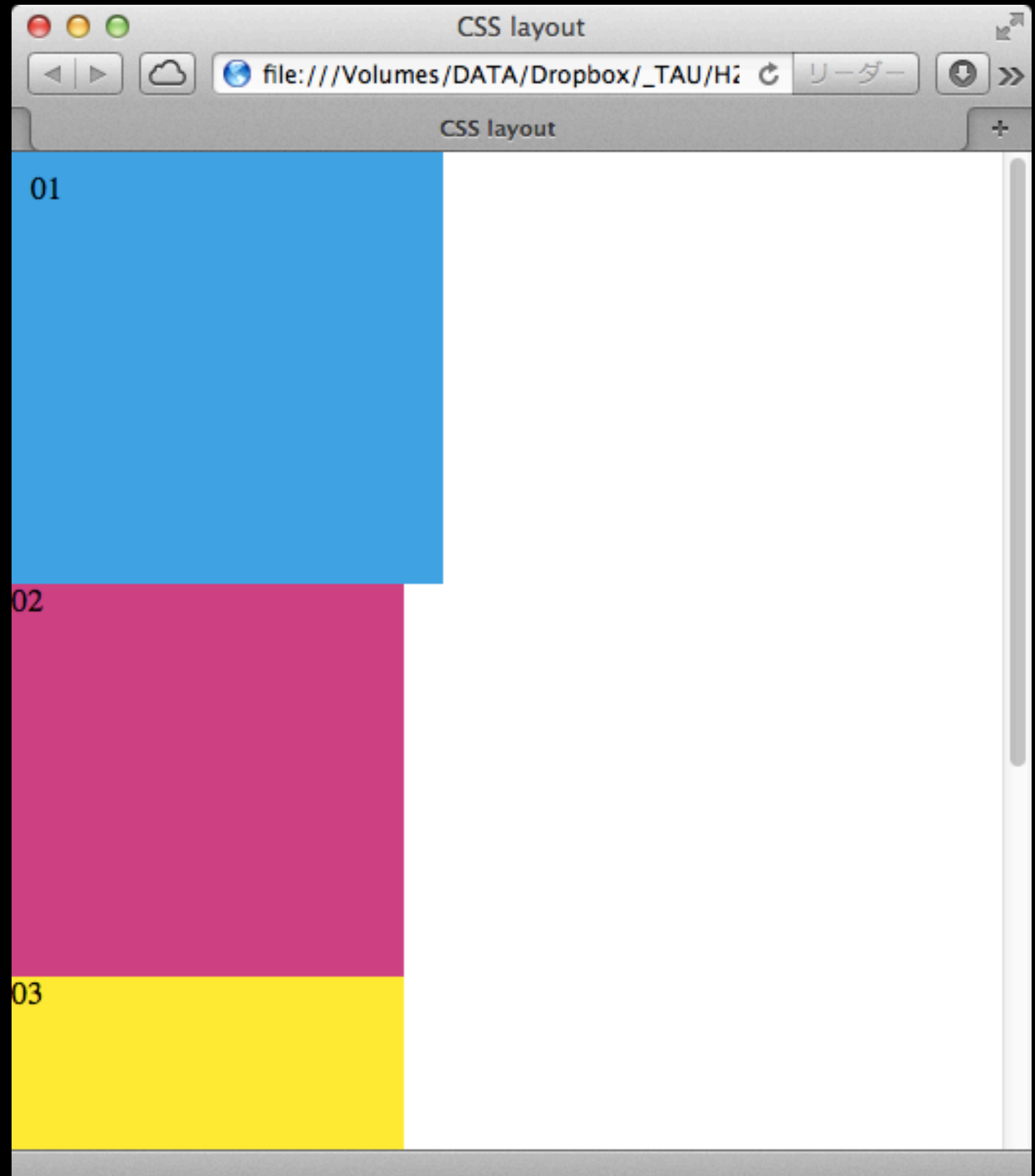
CSS_layout_04

ボックスの内側の余白 padding

```

1  @charset "UTF-8";
2  /* CSS Document */
3
4  .box01 {
5      background:#00A0E9;
6      width: 200px;
7      height: 200px;
8      padding:10px;
9  }
10
11  .box02 {
12      background:#E4007F;
13      width: 200px;
14      height: 200px;
15  }
16
17  .box03 {
18      background:#FFF000;
19      width: 200px;
20      height: 200px;
21  }
22
23  .box04 {
24      background:#222222;
25      width: 200px;
26      height: 200px;
27  }body {
28      margin: 0px;
29      padding: 0px;
30  }

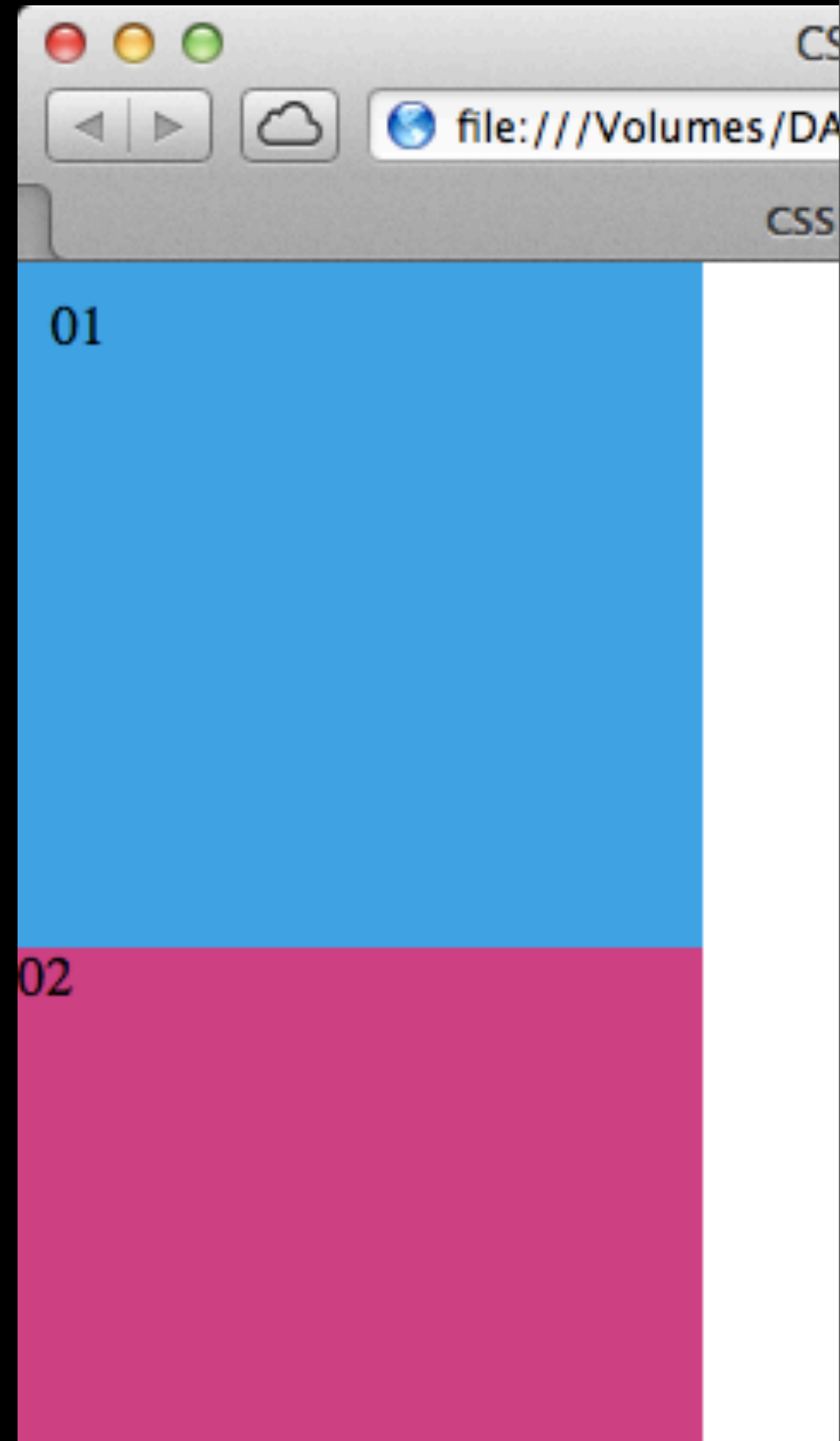
```



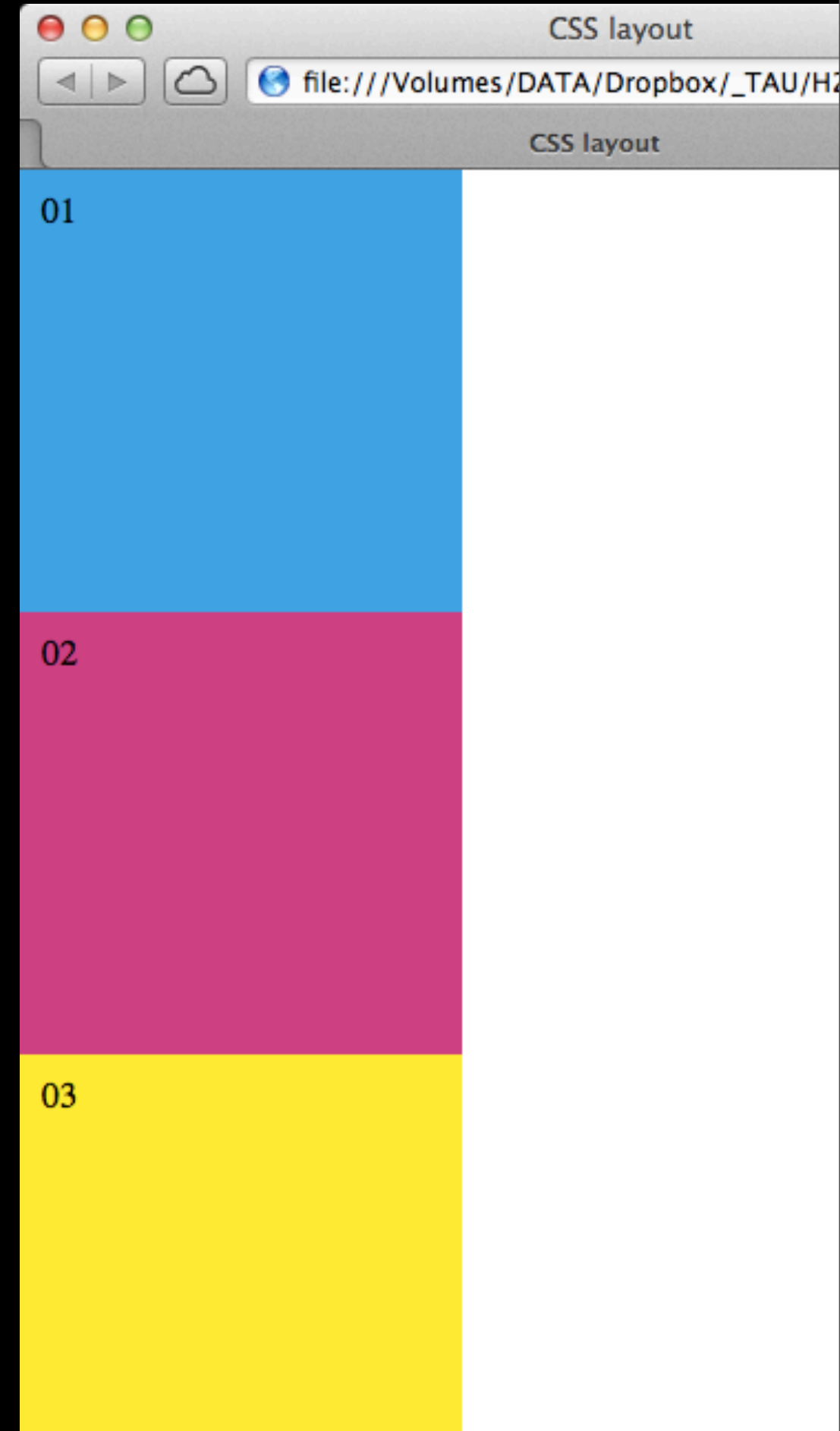
CSS_layout_05

ボックスのサイズ計算

```
8
9  .box01 {
10     background:#00A0E9;
11     width: 180px;
12     height: 180px;
13     padding:10px;
14 }
15
16 .box02 {
17     background:#E4007F;
18     width: 200px;
19     height: 200px;
20 }
```



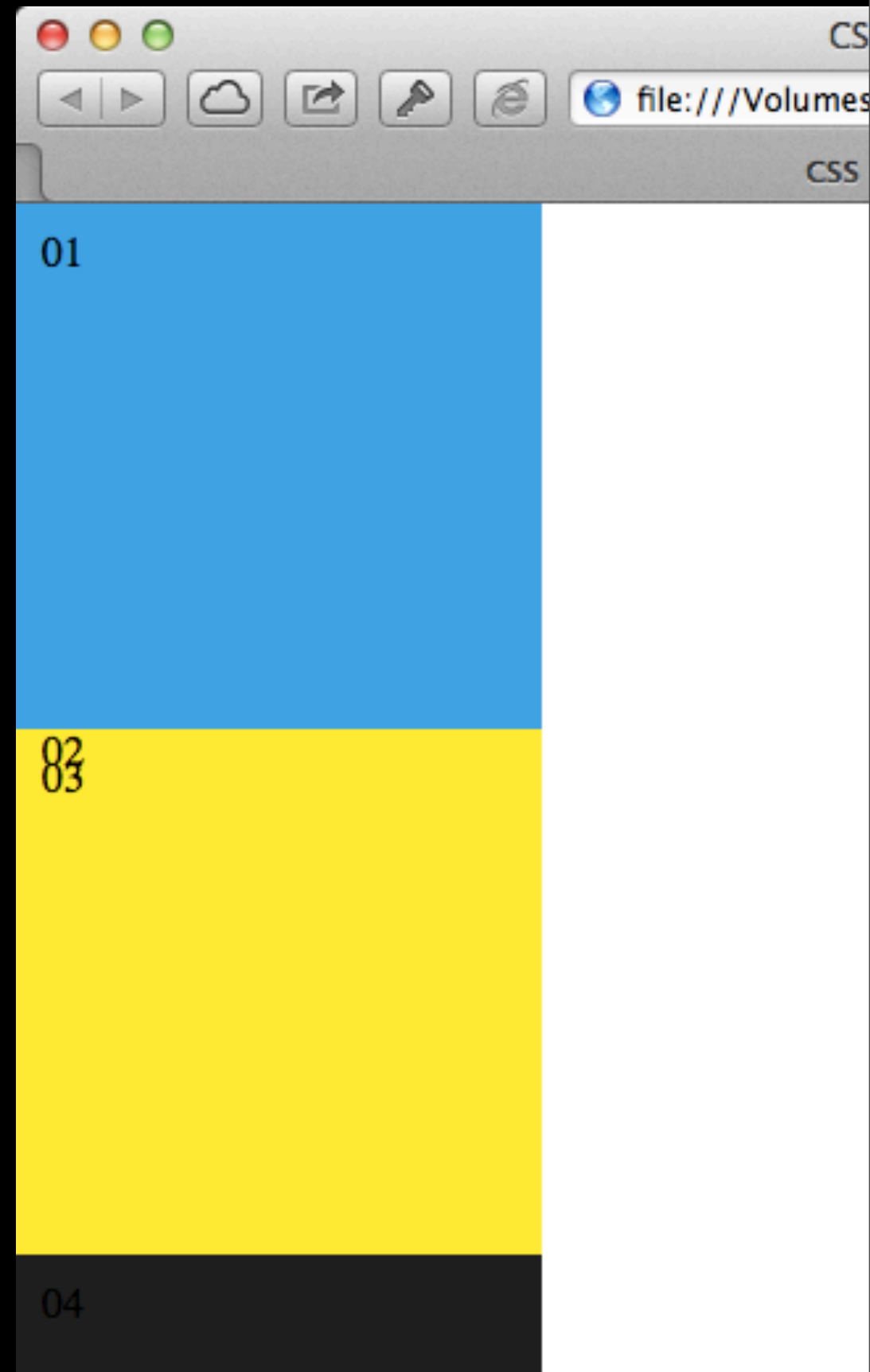

```
1  @charset "UTF-8";
2  /* CSS Document */
3
4  body {
5      margin: 0px;
6      padding: 0px;
7  }
8
9  .box01 {
10     background:#00A0E9;
11     width: 180px;
12     height: 180px;
13     padding:10px;
14 }
15
16 .box02 {
17     background:#E4007F;
18     width: 180px;
19     height: 180px;
20     padding:10px;
21 }
22
23 .box03 {
```



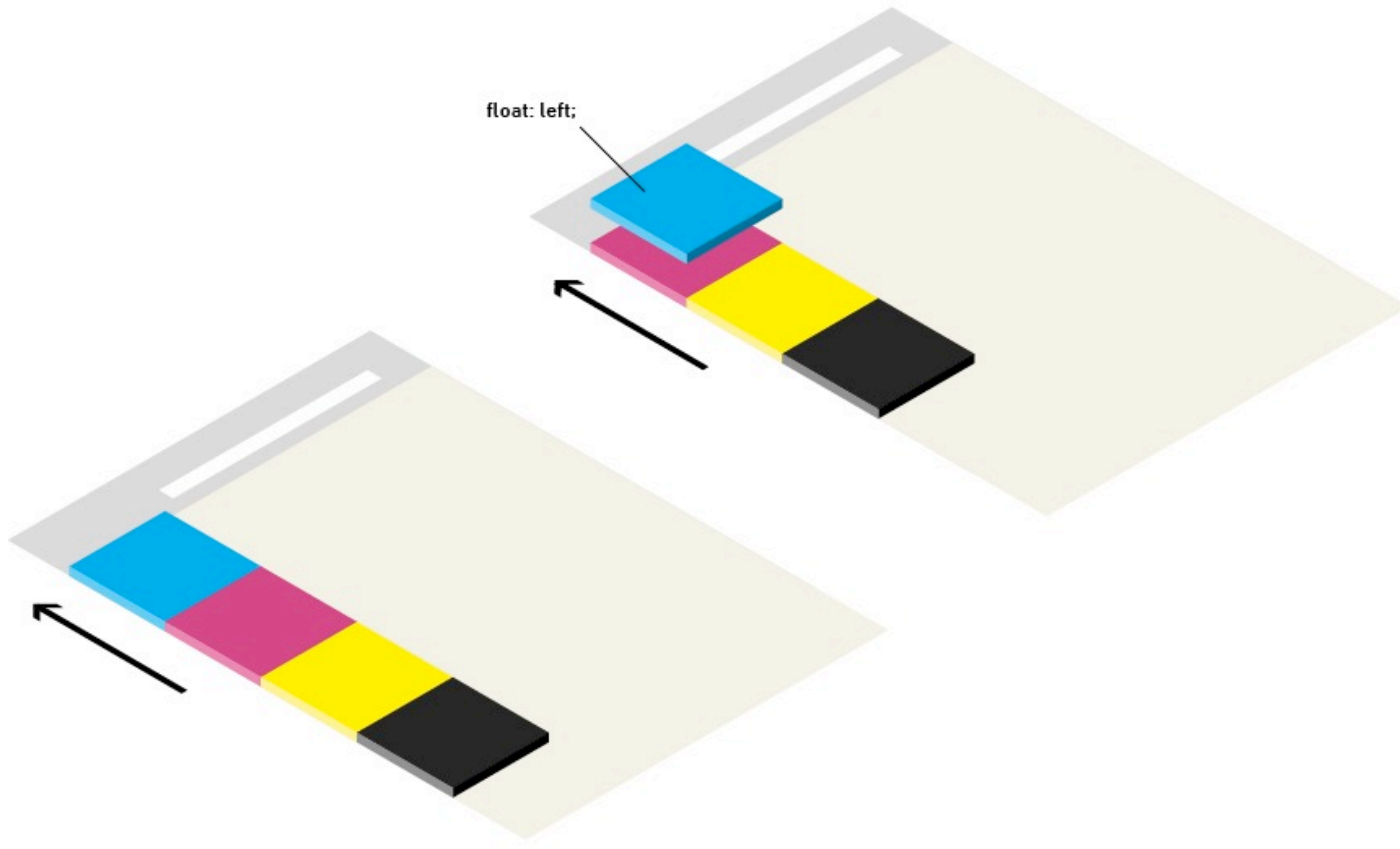
CSS_layout_06

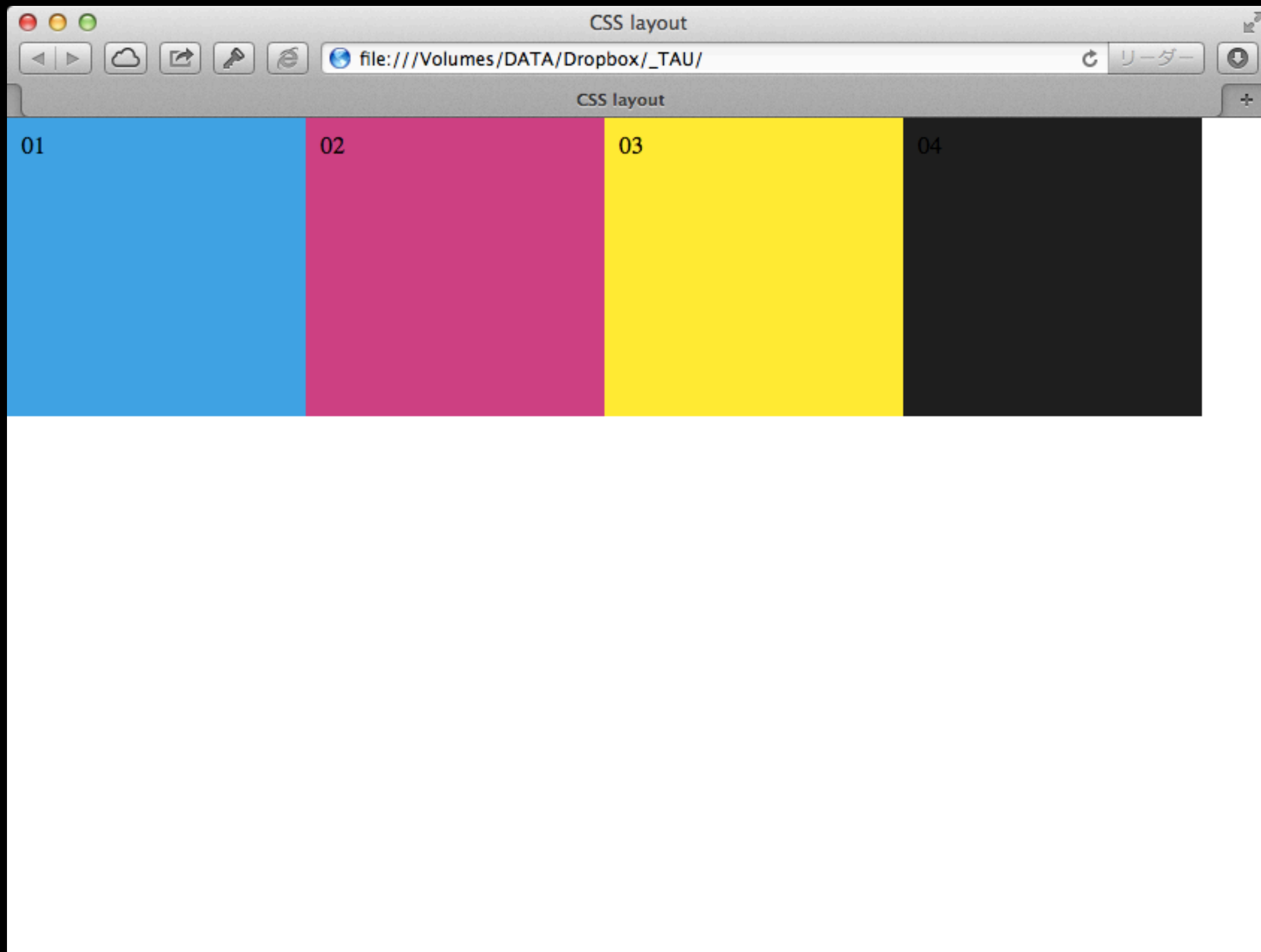
レイアウト

```
8
9  .box01 {
10     background:#00A0E9;
11     width: 180px;
12     height: 180px;
13     padding:10px;
14     float: left;
15 }
16
17 .box02 {
18     background:#E4007F;
19     width: 180px;
20     height: 180px;
21     padding:10px;
22 }
23
```



フロートのイメージ



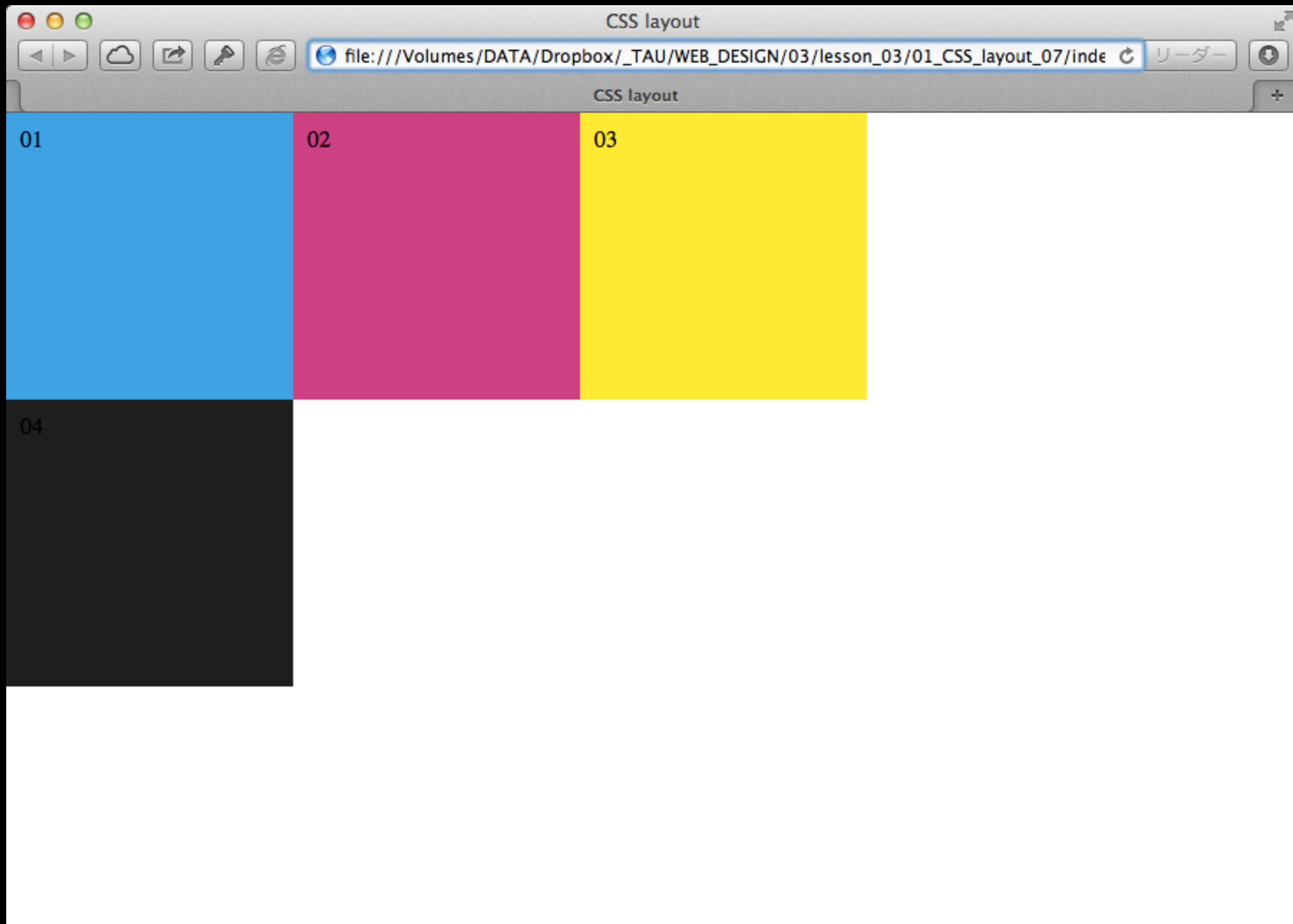


CSS_layout_07

フローレイアウトの解除 clear

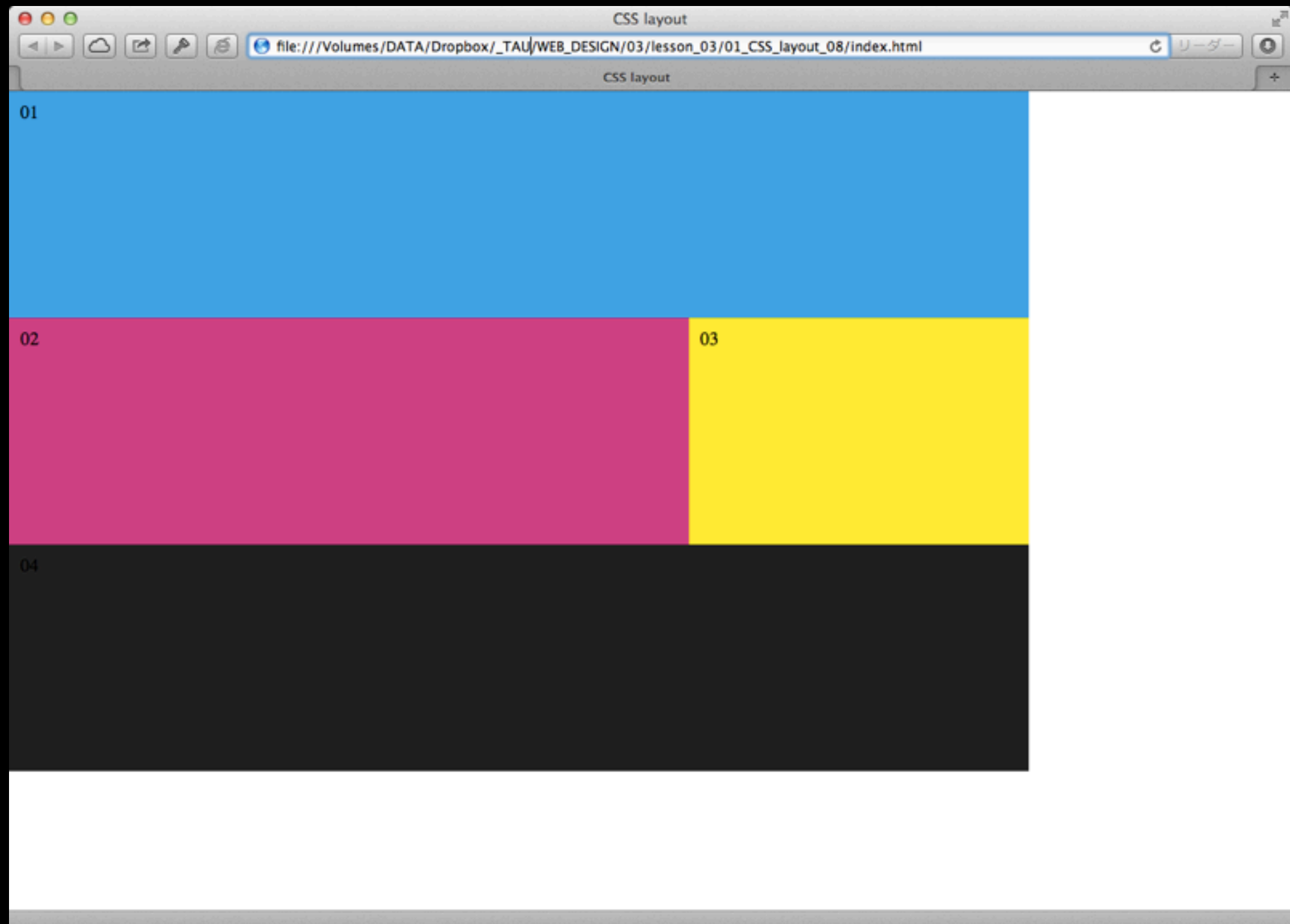
floatの解除

```
33 .box04 {  
34     background:#222222;  
35     width: 180px;  
36     height: 180px;  
37     padding: 10px;  
38     clear: both;  
39 }
```



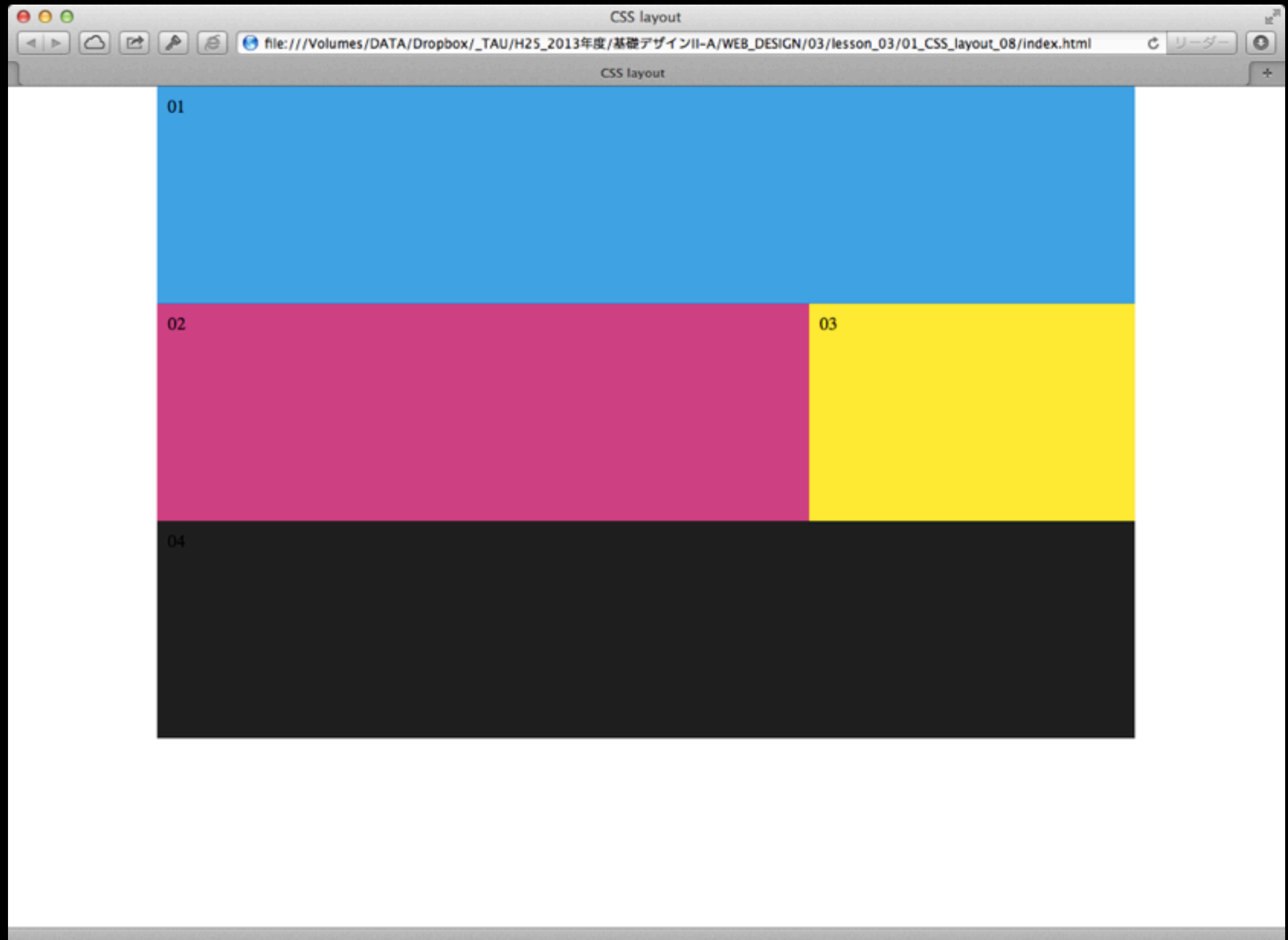
CSS_layout_08

ベーシック・レイアウト



```
1  @charset "UTF-8";
2  /* CSS Document */
3
4  body {
5      margin: 0px;
6      padding: 0px;
7  }
8
9  .box01 {
10     background:#00A0E9;
11     width: 880px;
12     height: 180px;
13     padding:10px;
14 }
15
16 .box02 {
17     background:#E4007F;
18     width: 580px;
19     height: 180px;
20     padding:10px;
21     float: left;
22 }
23
24 .box03 {
25     background:#FFF000;
26     width: 280px;
27     height: 180px;
28     padding:10px;
29     float: left;
30 }
31
32 .box04 {
33     background:#222222;
34     width: 880px;
35     height: 180px;
36     padding:10px;
37     clear: both;
38 }
```

画面左右中央へのレイアウト



```
2  / - CSS Document - /
3
4  body {
5      margin: 0px;
6      padding: 0px;
7  }
8
9  .container {
10     width: 900px;
11     margin: auto;
12 }
13
14 .box01 {
15     background: #00A0E9;
16     width: 880px;
17     height: 180px;
18     padding: 10px;
19 }
```

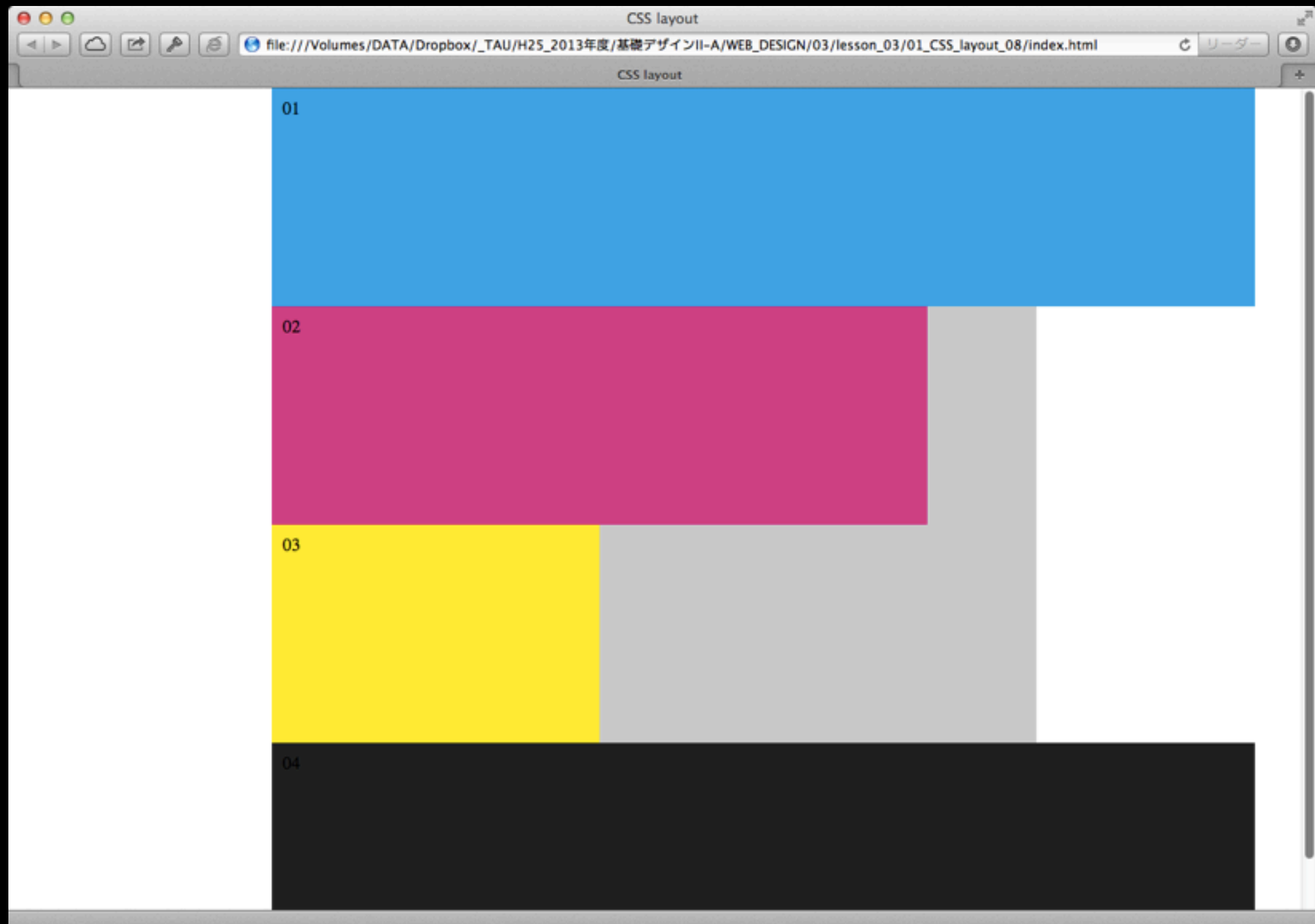
すべてのボックスを<div>で囲み classを指定する

```
8 <body>
9 <div class="container">
10     <div class="box01">01</div>
11     <div class="box02">02</div>
12     <div class="box03">03</div>
13     <div class="box04">04</div>
14 </div>
15 </body>
```


全体のdivの幅を狭めてみる

```
9  .container {  
10      width: 700px;  
11      margin: auto;  
12      background: #CCCCCC;  
13  }  
14
```

ボックスのサイズ計算を間違えるとレイアウトが崩れる

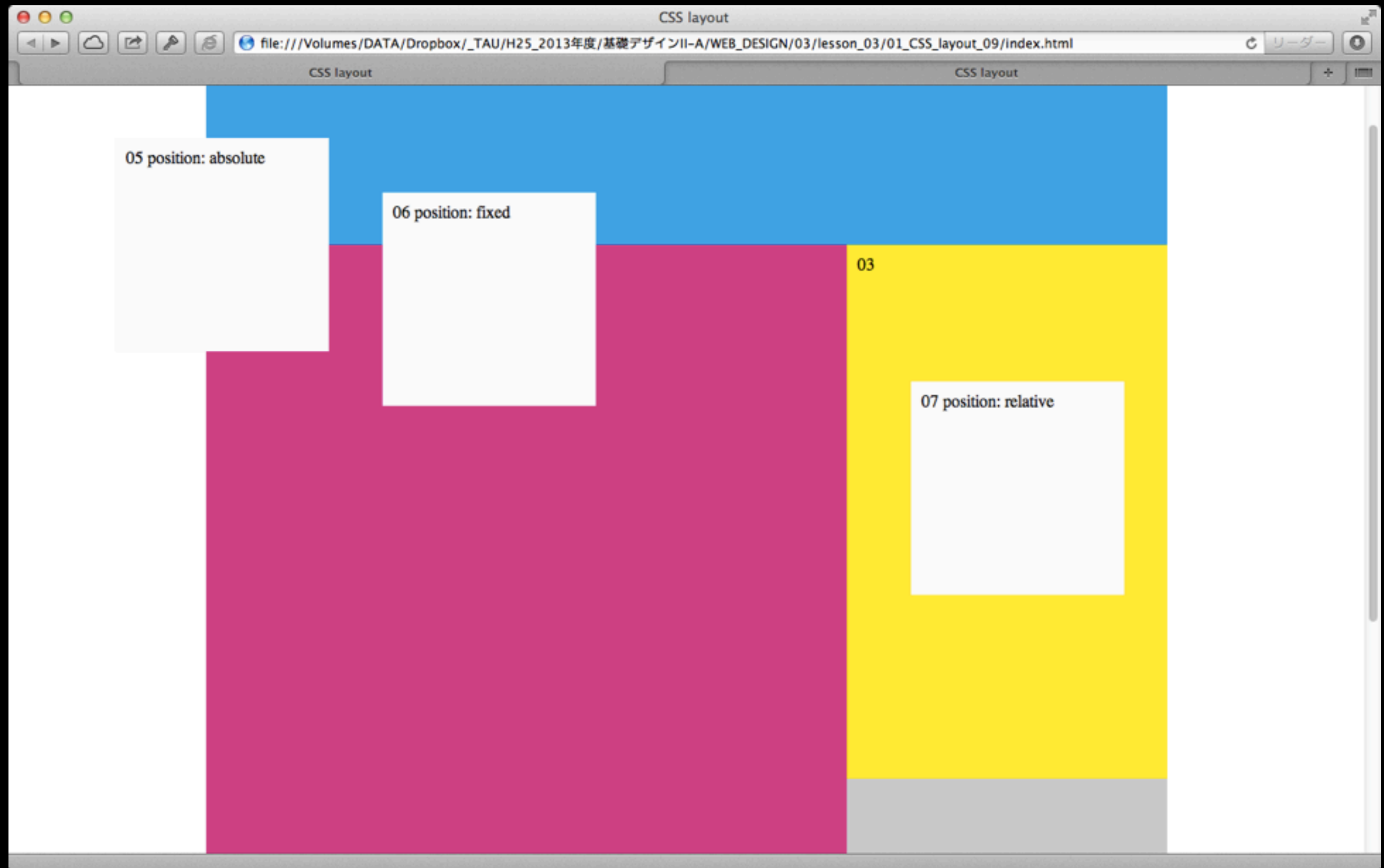


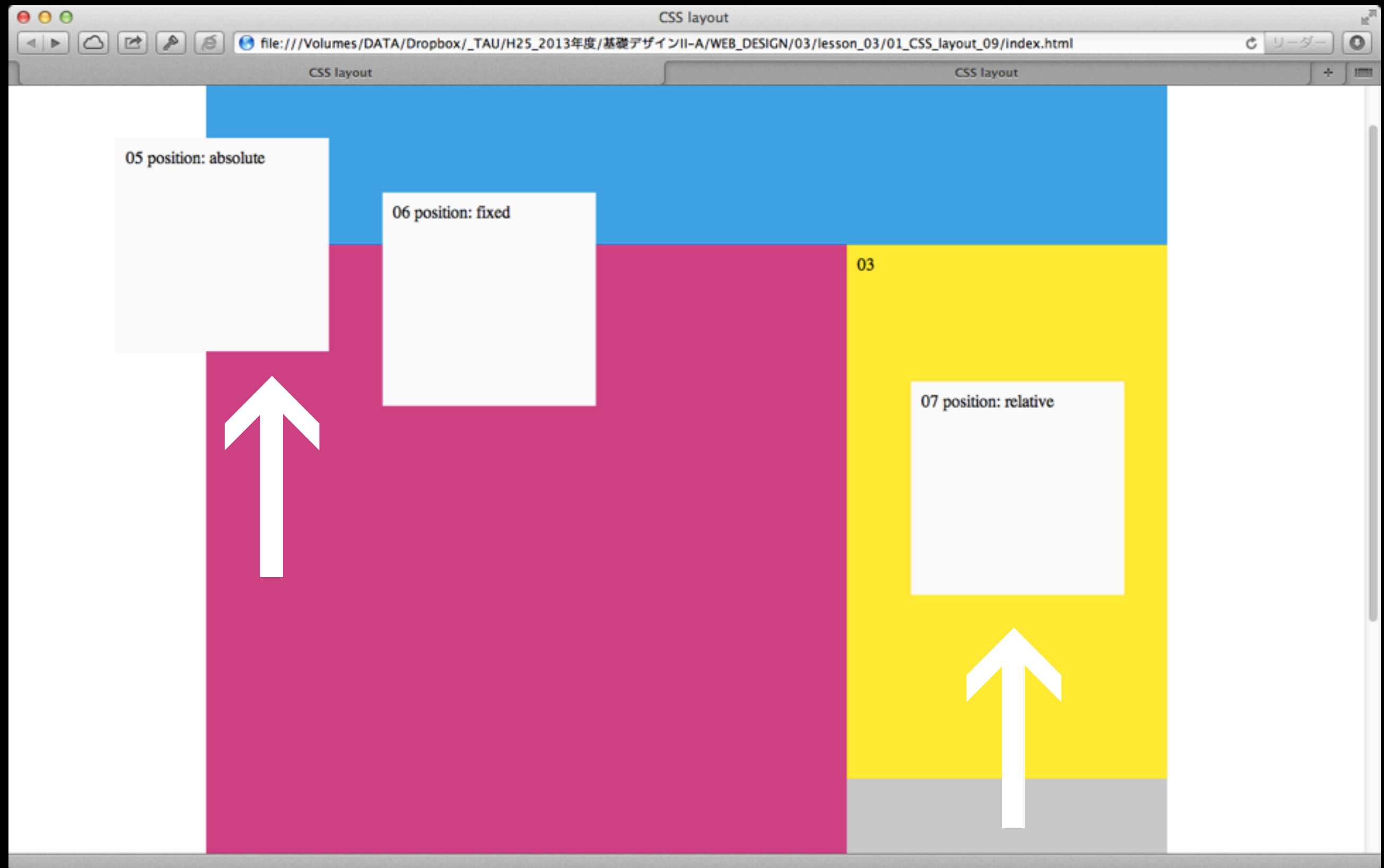
CSS_layout_09

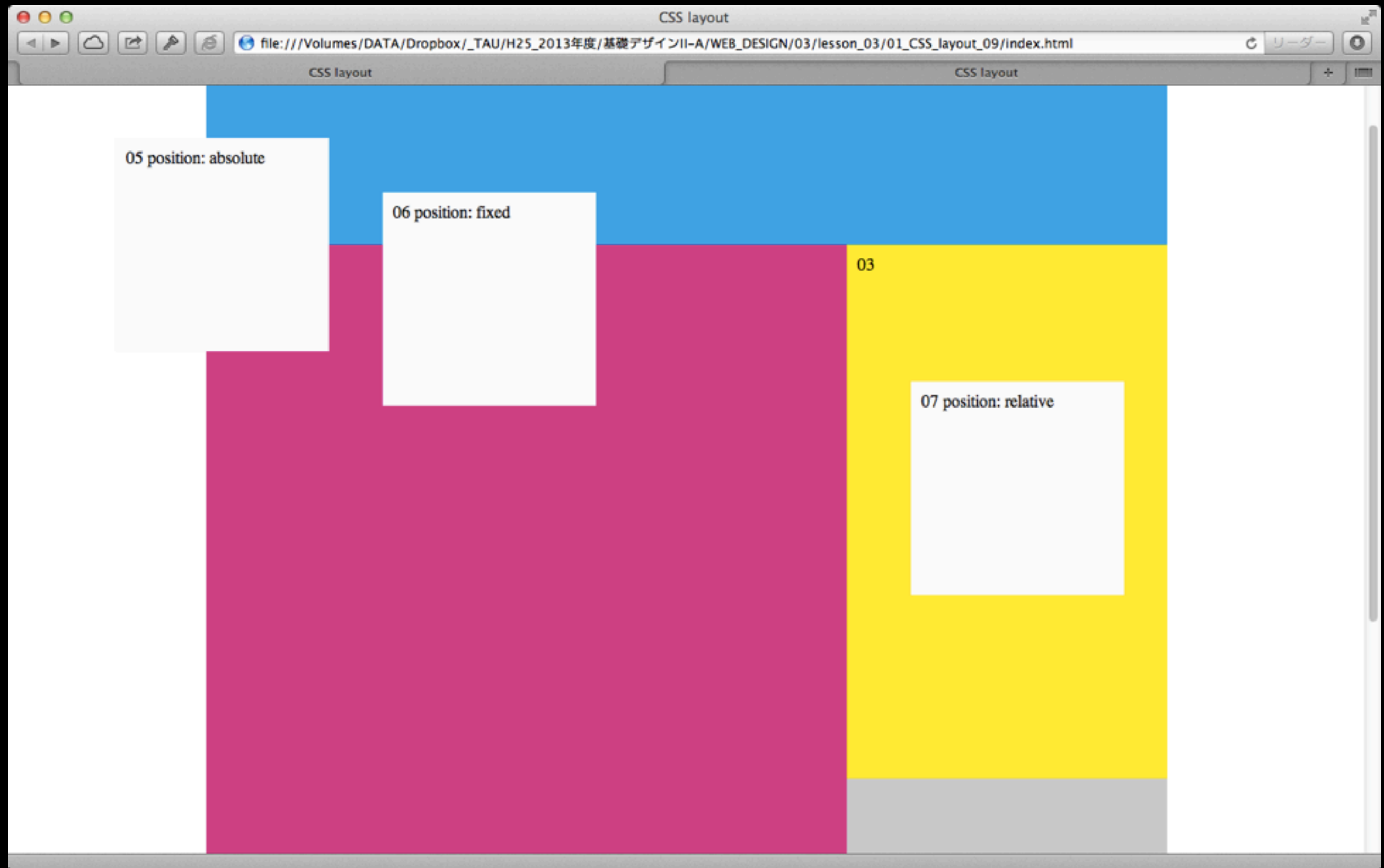
positionプロパティによるレイアウト

```
45
46 .box05 {
47     background:#FAFAFA;
48     width: 180px;
49     height: 180px;
50     padding:10px;
51     position: absolute;
52     top: 100px;
53     left: 100px;
54 }
```

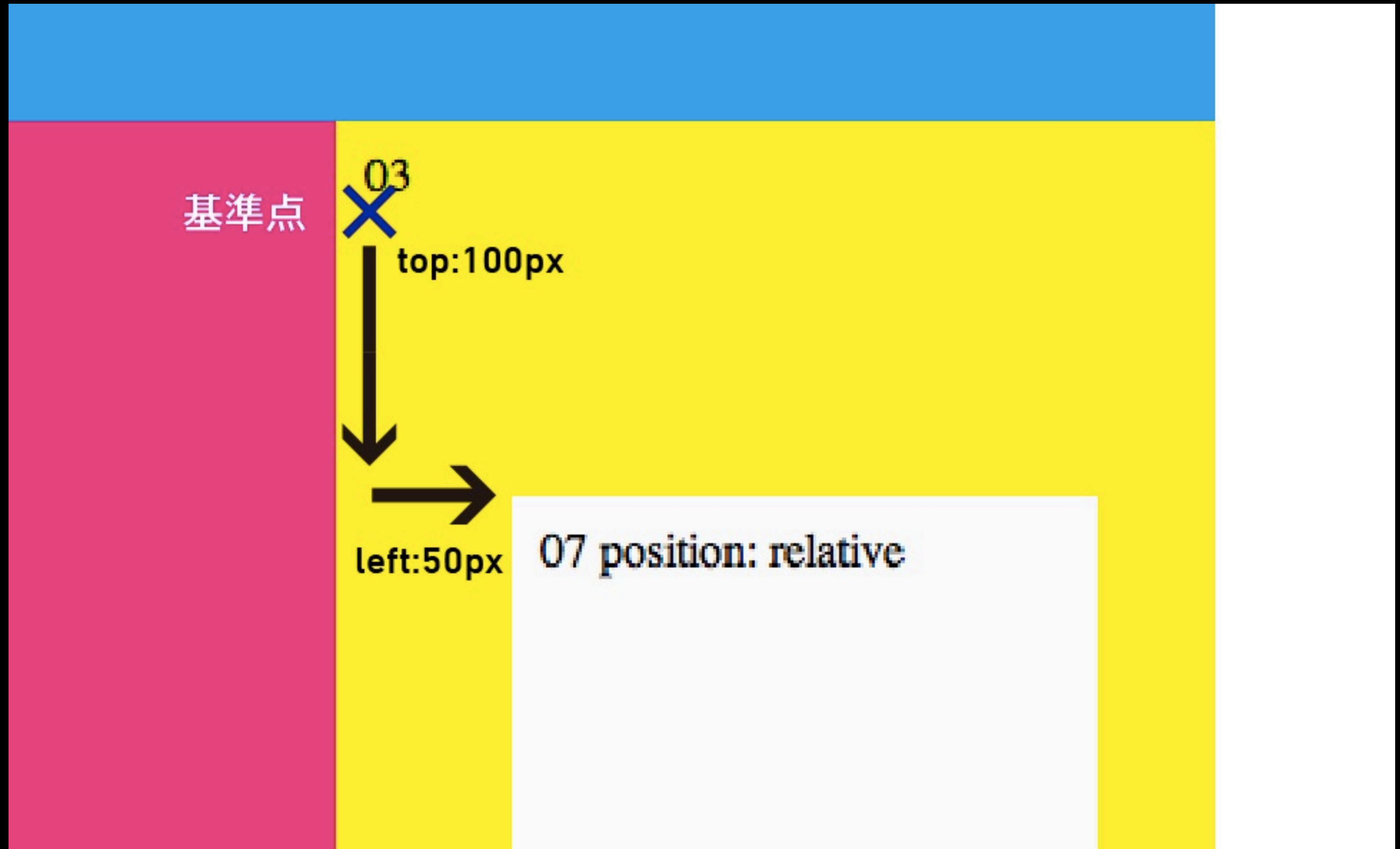
```
45
46 .box05 {
47     background:#FAFAFA;
48     width: 180px;
49     height: 180px;
50     padding: 10px;
51     position: absolute;
52     top: 100px;
53     left: 100px;
54 }
55
56 .box06 {
57     background:#FAFAFA;
58     width: 180px;
59     height: 180px;
60     padding: 10px;
61     position: fixed;
62     top: 100px;
63     left: 350px;
64 }
```







position: relative



要素の重なり順の指定

- **z-index**

- 例：z-index:1;

- 数字が大きいほど手前（上）に配置されて表示される。


```
46 .box05 {
47     background:#0000FA;
48     width: 180px;
49     height: 180px;
50     padding:10px;
51     position: absolute;
52     top: 100px;
53     left: 100px;
54     z-index:1;
55 }
56
57 .box06 {
58     background:#FA0000;
59     width: 180px;
60     height: 180px;
61     padding:10px;
62     position: fixed;
63     top: 100px;
64     left: 150px;
65     z-index:2;
66 }
67
```

05 position: absolute

06 position: fixed

```
45
46 .box05 {
47     background:#0000FA;
48     width: 180px;
49     height: 180px;
50     padding:10px;
51     position: absolute;
52     top: 100px;
53     left: 100px;
54     z-index:2;
55 }
56
57 .box06 {
58     background:#FA0000;
59     width: 180px;
60     height: 180px;
61     padding:10px;
62     position: fixed;
63     top: 100px;
64     left: 150px;
65     z-index:1;
66 }
67
```

05 position: absolute

