

CSS

Tópicos avançados

Design e Desenvolvimento para a Internet

Departamento de Informática

Escola Superior de Tecnologia de Viseu

Sumário

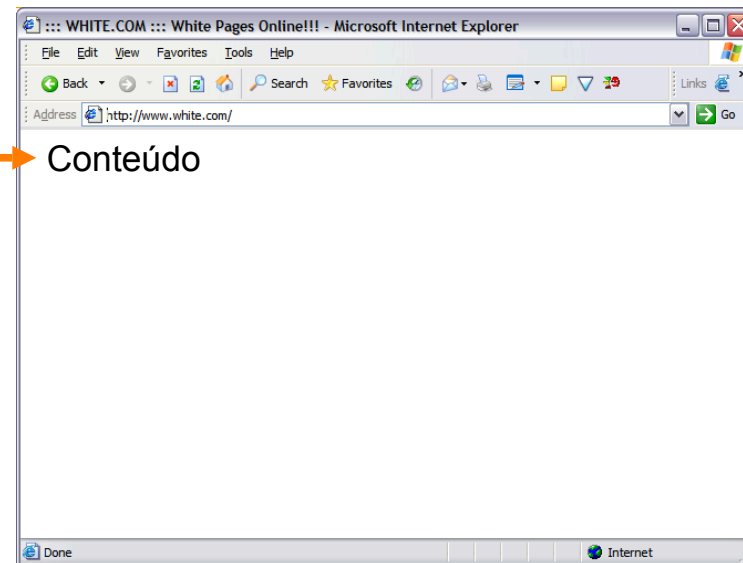
1. Box model
2. Posicionamento
 1. position: relative/absolute/static;
 2. float: left/right;
 3. clear: left/right/both;

Box Model

`<div>Conteúdo</div>`

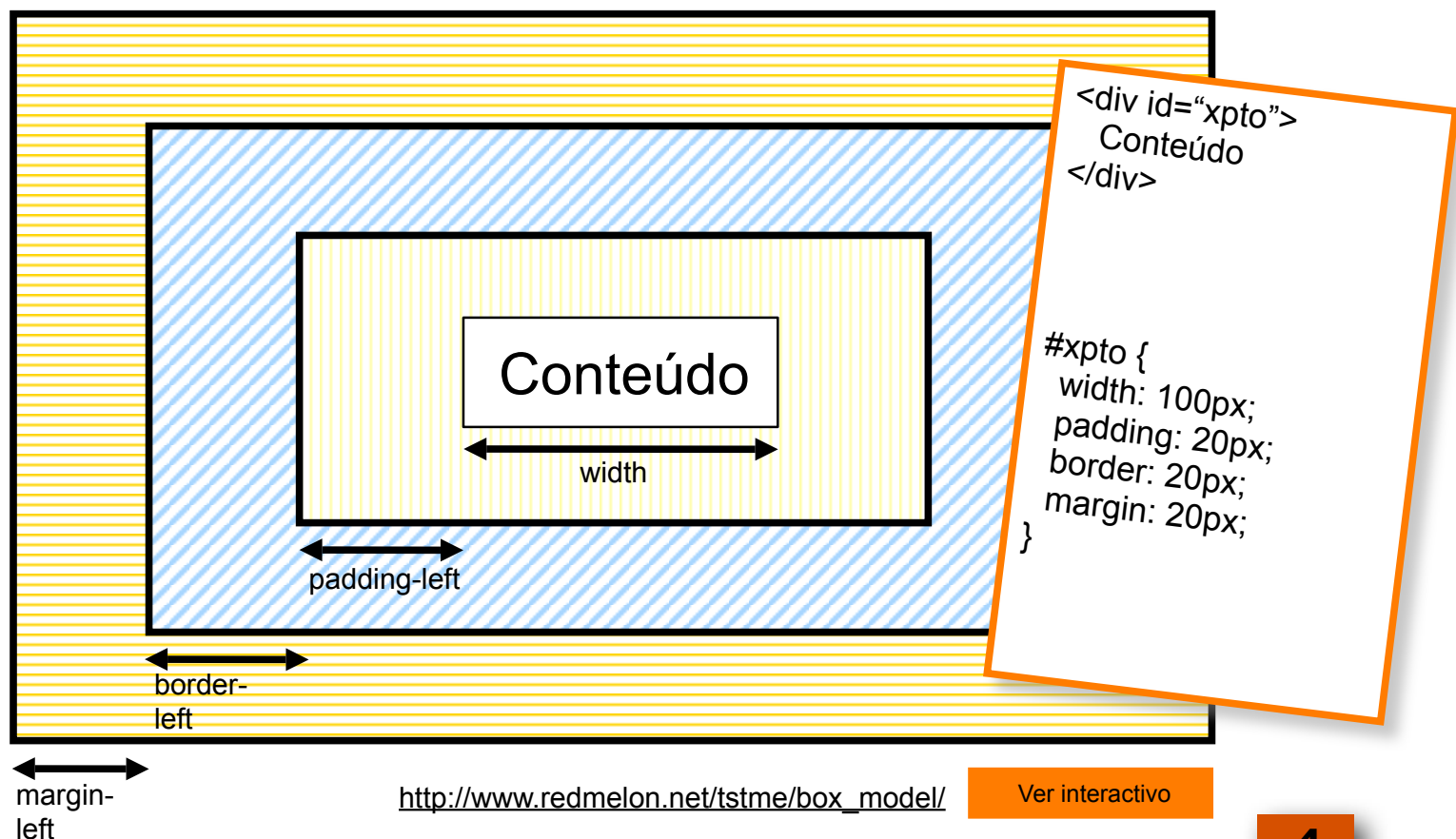


Conteúdo



Box Model

Todos os elementos têm uma caixa com 3 molduras (W3C):

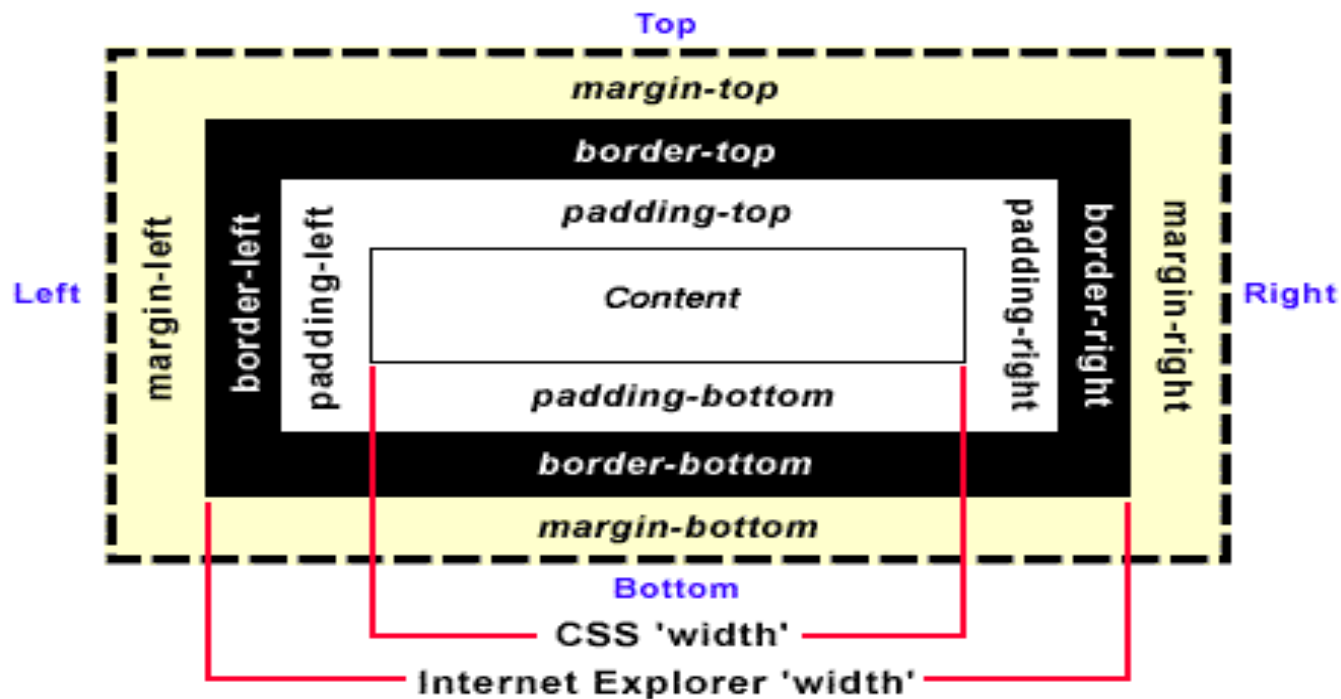


http://www.redmelon.net/tstme/box_model/

Ver interactivo

Box Model

Mas... Internet Explorer não respeita norma W3C:



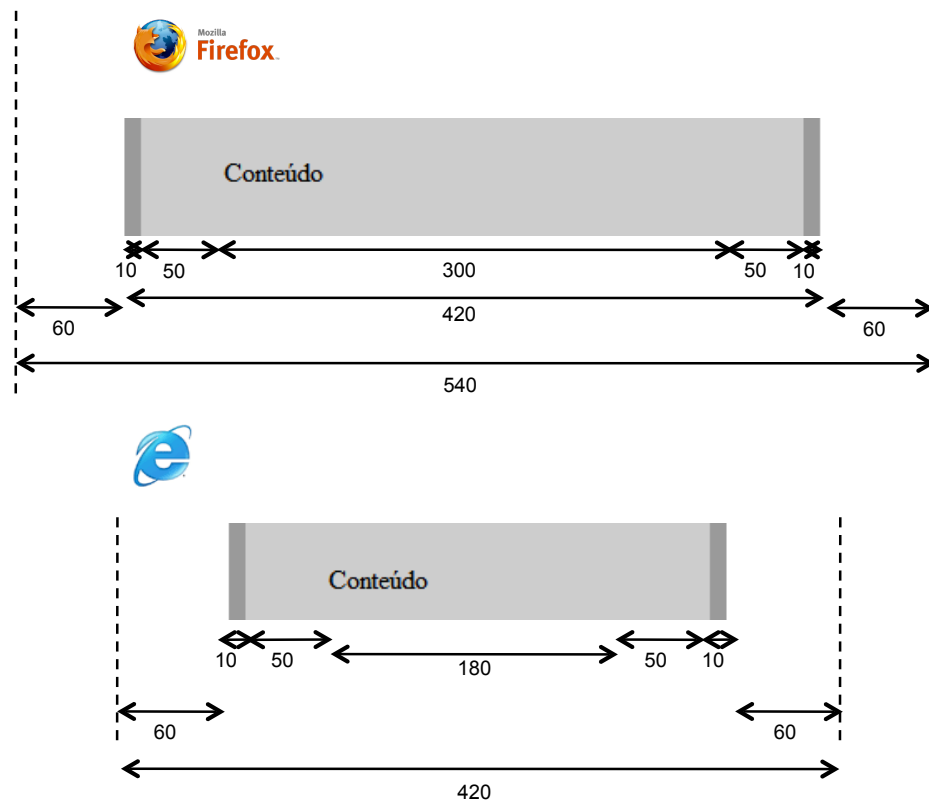
Fonte: Microsoft

Box Model

Comparação

```
<div id="xpto">  
  Conteúdo  
</div>
```

```
#xpto {  
  width: 300px;  
  padding: 50px;  
  border: 10px solid #000;  
  margin: 60px;  
}
```



Box Model

Soluções:

- Doctype (document type definition):

- Indica a versão do (X)HTML
- Indica que ao browser que deve respeitar as normas (X)HTML, CSS, e DOM
- IE6/Win, IE5/Mac e Mozilla respeitam as normas com este doctype:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

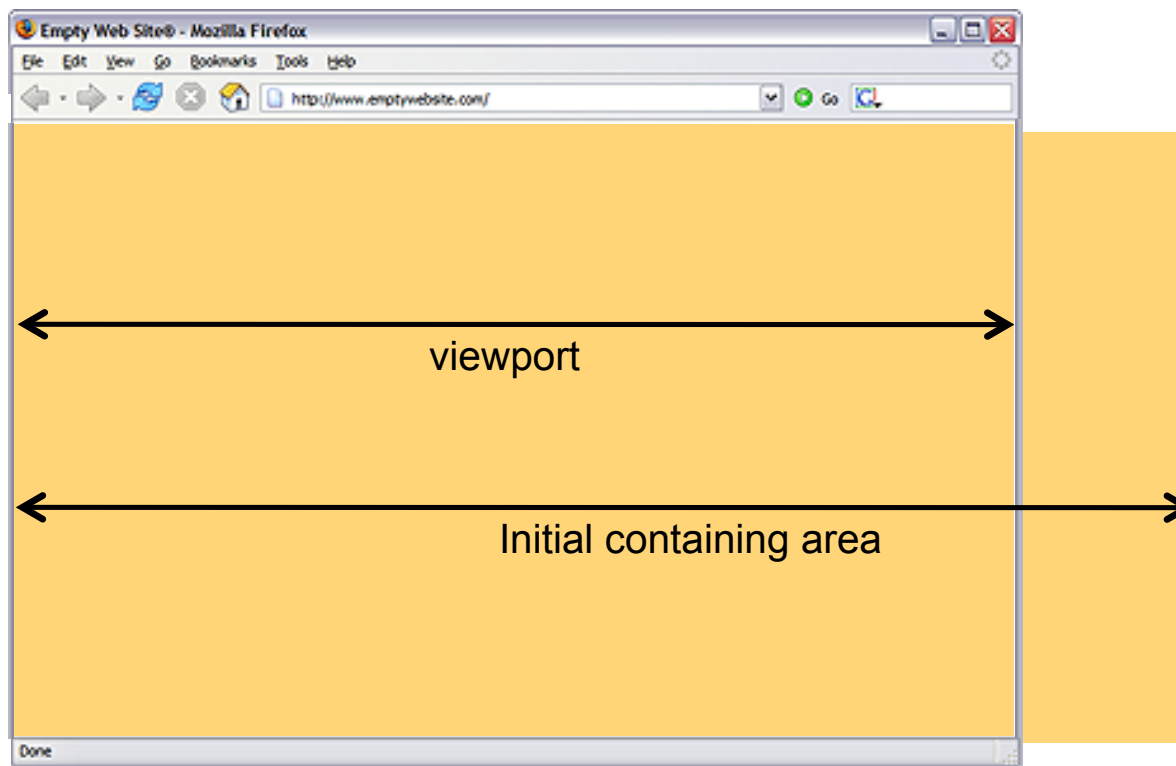
- Hacks <http://www.info.comom.ph/~etan/w3pantheon/style/bmhcompare.html>

- Design cuidadoso

- Ver elemento a elemento que comportamento tem no layout e agir em conformidade
- Especial cuidado com padding e border
- Simular padding e border com margin
- Testar layout com vários browsers, ao longo do desenvolvimento (IE e Firefox)

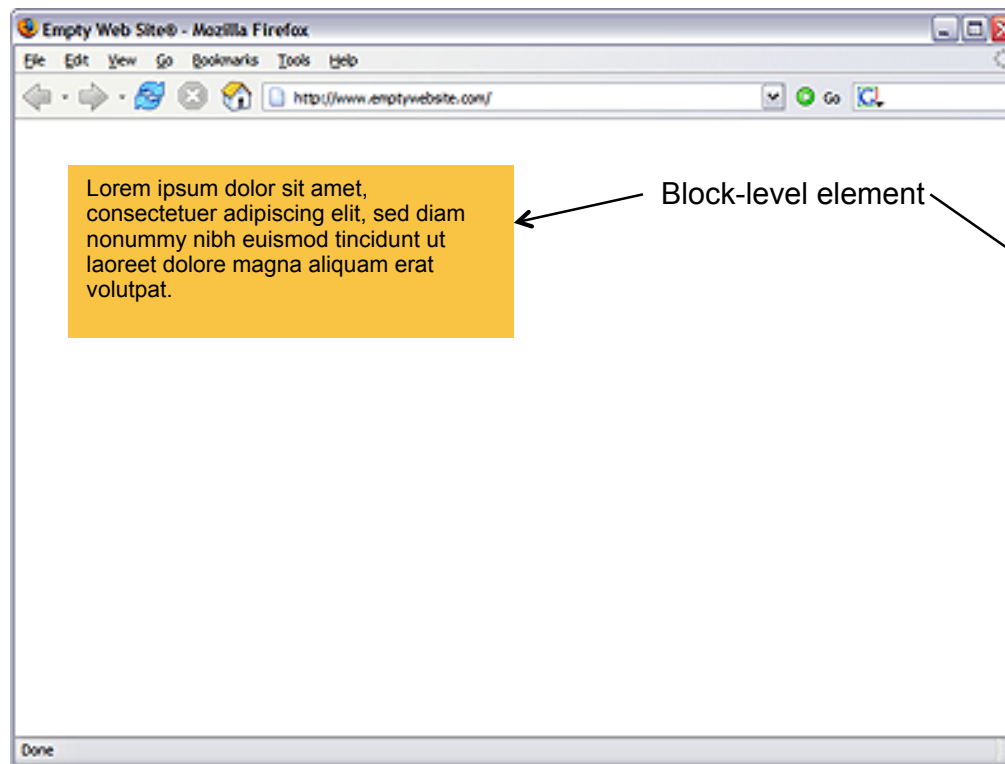
Positioning

Conceitos: viewport/initial containing area



Positioning

Conceitos: block-level elements



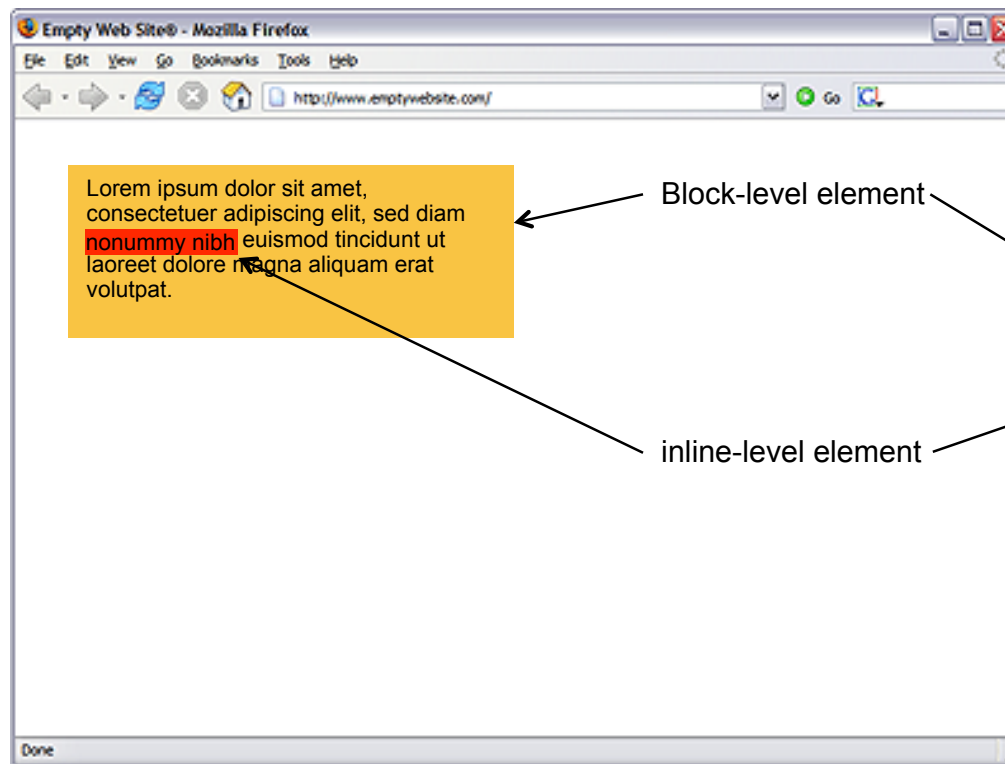
```
#xpto {  
  width: 200px;  
  background-color: #F6B936;  
  padding: 5px;  
}
```

...

```
<div id="xpto">  
  Lorem ipsum dolor sit amet, consectetur  
  adipiscing elit, sed diam nonummy nibh euismod  
  tincidunt ut laoreet dolore magna aliquam erat  
  volutpat.  
</div>
```

Positioning

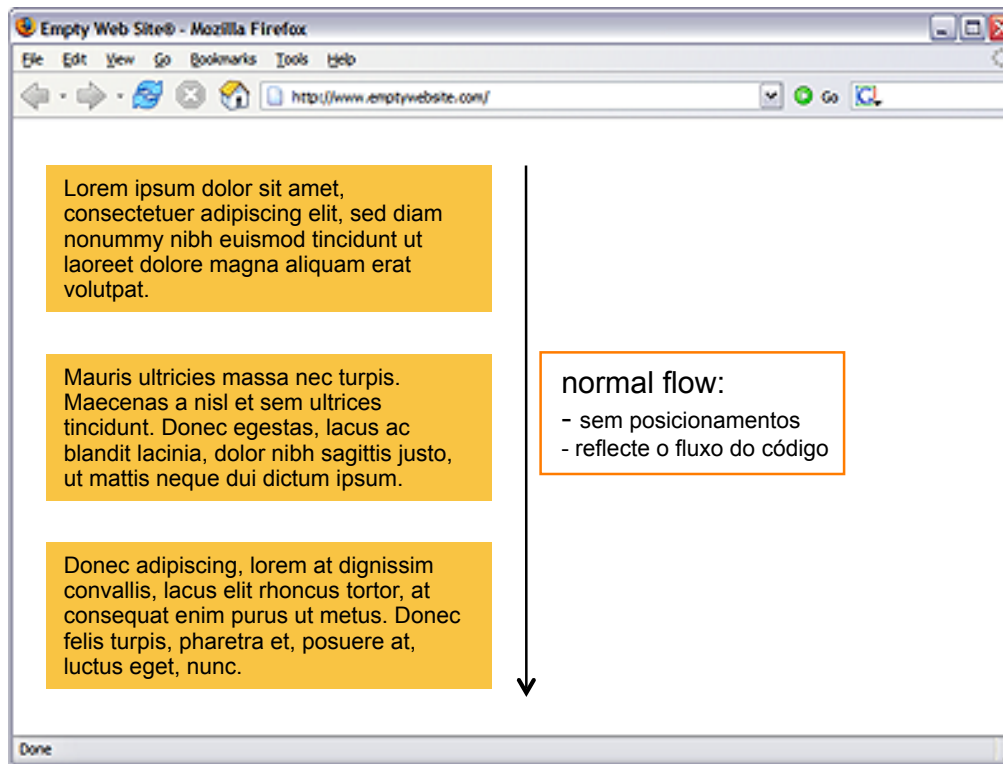
Conceitos: inline-level elements



```
#xpto {  
  width: 200px;  
  background-color: #F6B936;  
  padding: 5px;  
}  
...  
<div id="xpto">  
  Lorem ipsum dolor sit amet, consectetur  
  adipiscing elit, sed diam  
  <span style="background-color: red;">  
    nonummy nibh  
  </span>  
  euismod tincidunt ut laoreet dolore magna  
  aliquam erat volutpat.  
</div>
```

Positioning

Conceitos: normal flow



```
<div class="texto">
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

```
</div>
```

```
<div class="texto">
```

Mauris ultricies massa nec turpis. Maecenas a nisl et sem ultrices tincidunt. Donec egestas, lacus ac blandit lacinia, dolor nibh sagittis justo, ut mattis neque dui dictum ipsum.

```
</div>
```

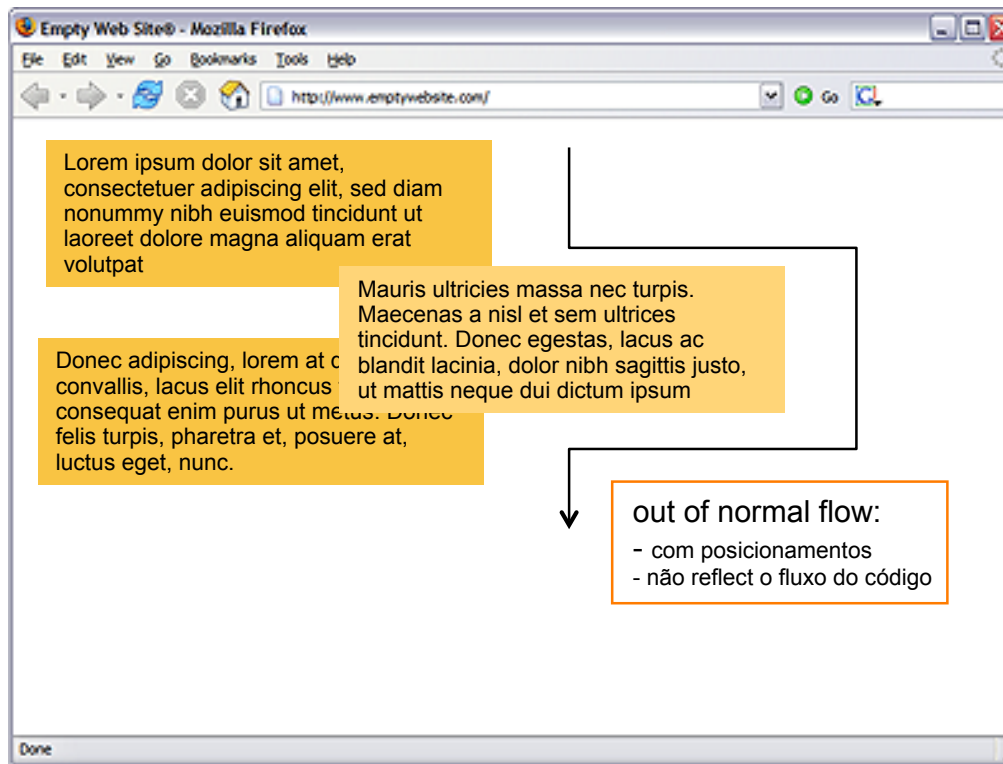
```
<div class="texto">
```

Donec adipiscing, lorem at dignissim convallis, lacus elit rhoncus tortor, at consequat enim purus ut metus. Donec felis turpis, pharetra et, posuere at, luctus eget, nunc.

```
</div>
```

Positioning

Conceitos: out of normal flow



```
<div class="texto">
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

```
</div>
```

```
<div class="destaque">
```

Mauris ultricies massa nec turpis. Maecenas a nisl et sem ultrices tincidunt. Donec egestas, lacus ac blandit lacinia, dolor nibh sagittis justo, ut mattis neque dui dictum ipsum.

```
</div>
```

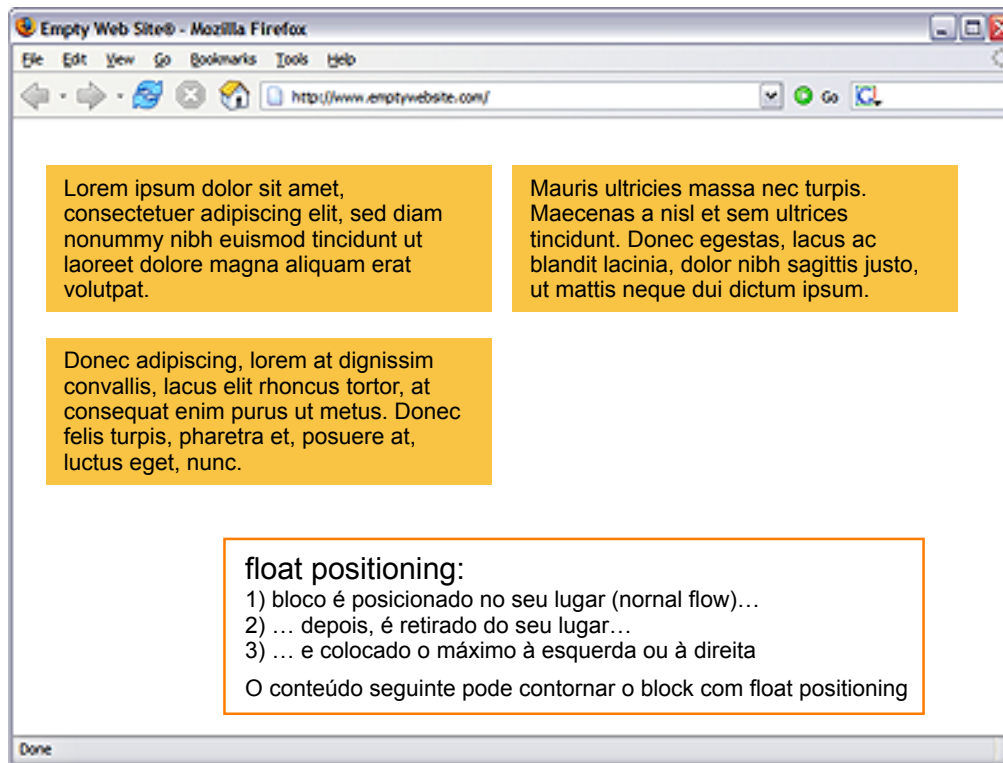
```
<div class="texto">
```

Donec adipiscing, lorem at dignissim convallis, lacus elit rhoncus tortor, at consequat enim purus ut metus. Donec felis turpis, pharetra et, posuere at, luctus eget, nunc.

```
</div>
```

Positioning

Conceitos: float positioning



```
<div class="texto" style="float: left">
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

```
</div>
```

```
<div class="texto">
```

Mauris ultricies massa nec turpis. Maecenas a nisl et sem ultrices tincidunt. Donec egestas, lacus ac blandit lacinia, dolor nibh sagittis justo, ut mattis neque dui dictum ipsum.

```
</div>
```

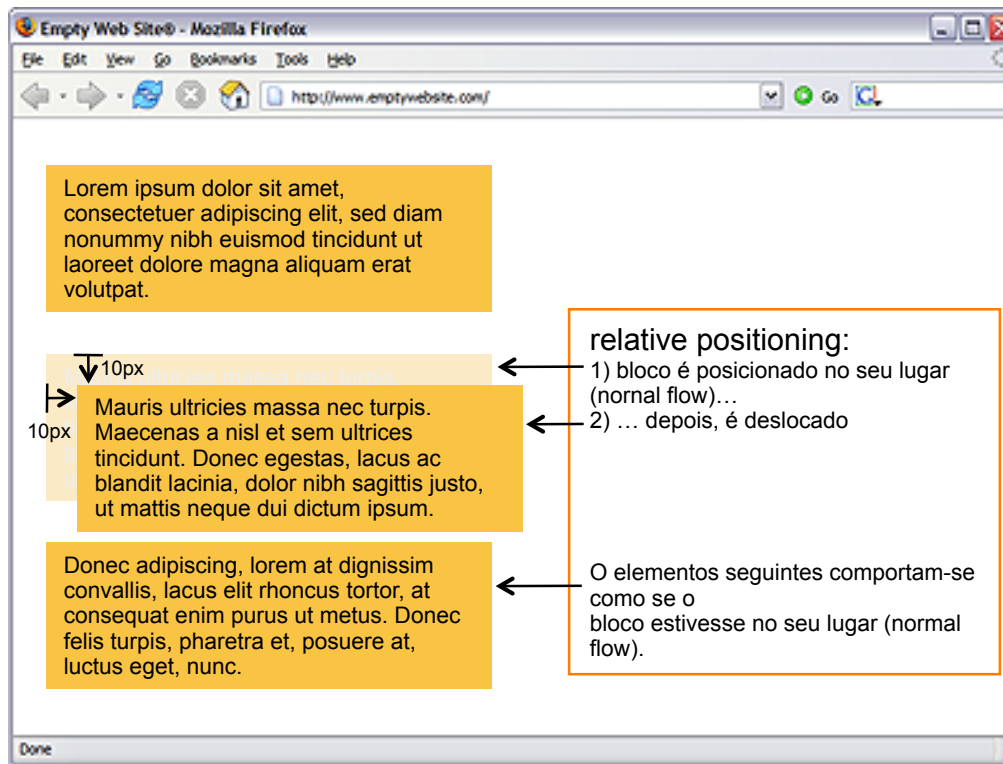
```
<div class="texto">
```

Donec adipiscing, lorem at dignissim convallis, lacus elit rhoncus tortor, at consequat enim purus ut metus. Donec felis turpis, pharetra et, posuere at, luctus eget, nunc.

```
</div>
```

Positioning

Conceitos: relative positioning



```
<div class="texto">
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

```
</div>
```

```
<div class="texto">
```

```
  style="position: relative;  
  top: 10px; left: 10px">
```

Mauris ultricies massa nec turpis. Maecenas a nisl et sem ultrices tincidunt. Donec egestas, lacus ac blandit lacinia, dolor nibh sagittis justo, ut mattis neque dui dictum ipsum.

```
</div>
```

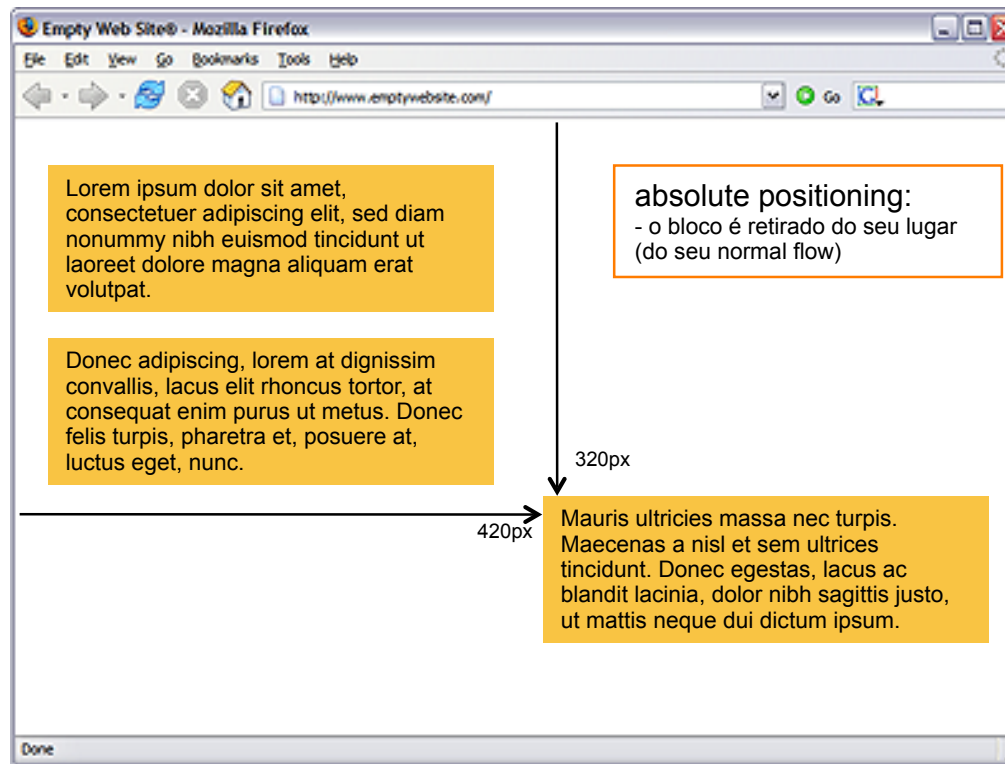
```
<div class="texto">
```

Donec adipiscing, lorem at dignissim convallis, lacus elit rhoncus tortor, at consequat enim purus ut metus. Donec felis turpis, pharetra et, posuere at, luctus eget, nunc.

```
</div>
```

Positioning

Conceitos: absolute positioning



```
<div class="texto">
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

```
</div>
```

```
<div class="texto">
```

```
  style="position: absolute;  
  top: 320px; left: 420px">
```

Mauris ultricies massa nec turpis. Maecenas a nisl et sem ultrices tincidunt. Donec egestas, lacus ac blandit lacinia, dolor nibh sagittis justo, ut mattis neque dui dictum ipsum.

```
</div>
```


```
<div class="texto">
```

Donec adipiscing, lorem at dignissim convallis, lacus elit rhoncus tortor, at consequat enim purus ut metus. Donec felis turpis, pharetra et, posuere at, luctus eget, nunc.

```
</div>
```


Positioning

Float Positioning: left, right e none



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit laque dui dolore te feugait nulla facilisi.

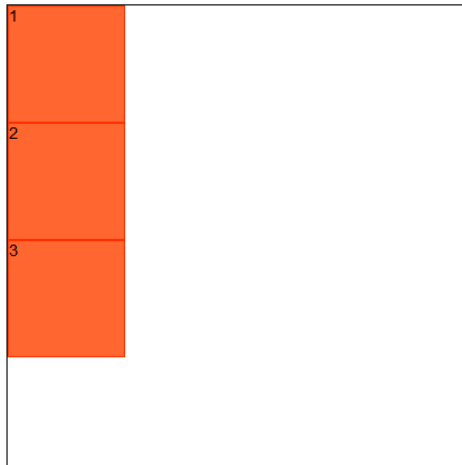


```
<div style="float: left">  
    
</div>  
<p>Lorem ipsum dolor sit amet,  
consectetur adipiscing elit, sed diam  
nonummy nibh euismod tincidunt ut laoreet  
dolore magna aliquam erat volutpat...  
</p>
```

```
<div style="float: right">  
    
</div>  
<p>Lorem ipsum dolor sit amet,  
consectetur adipiscing elit, sed diam  
nonummy nibh euismod tincidunt ut laoreet  
dolore magna aliquam erat volutpat...  
</p>
```

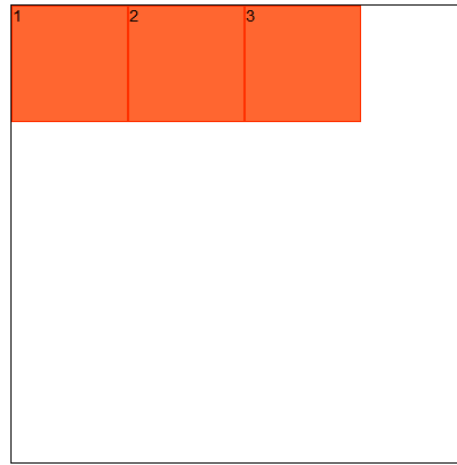

Positioning

Float Positioning: vários seguidos



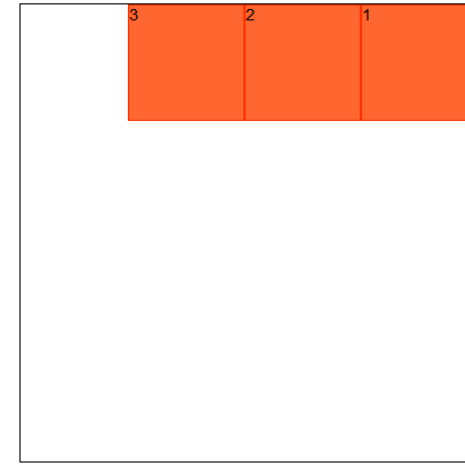
Três elementos sem float.

```
<div class="caixa">1</div>  
<div class="caixa">2</div>  
<div class="caixa">3</div>
```



Três elementos com float: left.

```
<div class="caixa" style="float:left">1</div>  
<div class="caixa" style="float:left">2</div>  
<div class="caixa" style="float:left">3</div>
```

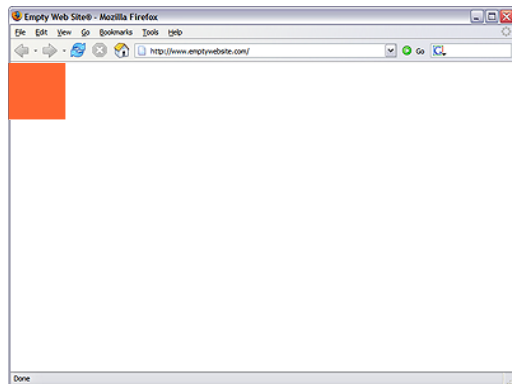


Três elementos com float right.

```
<div class="caixa" style="float:right">1</div>  
<div class="caixa" style="float:right">2</div>  
<div class="caixa" style="float:right">3</div>
```

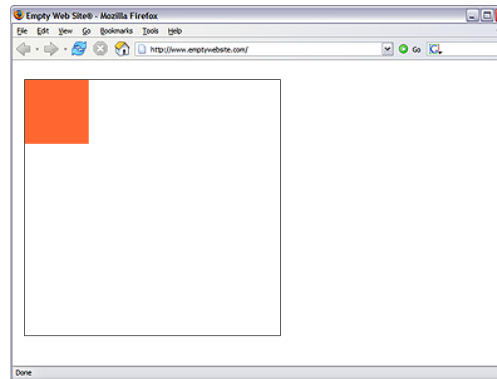
Positioning

Float positioning: posição



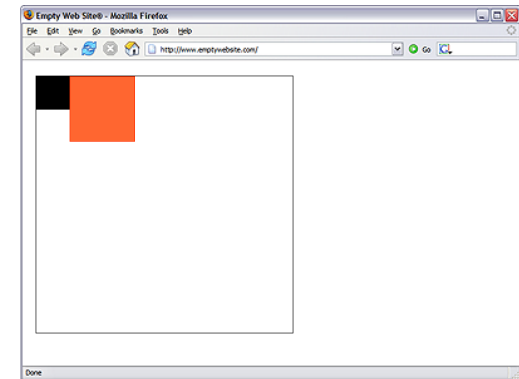
Encostado ao viewport

```
<body>
<div class="caixa" style="float:left">
  &nbsp;
</div>
...
```



Encostado ao elemento que o contém:

```
<div id="caixa-grande">
  <div class="caixa" style="float:left">
    &nbsp;
  </div>
</div>
...
```

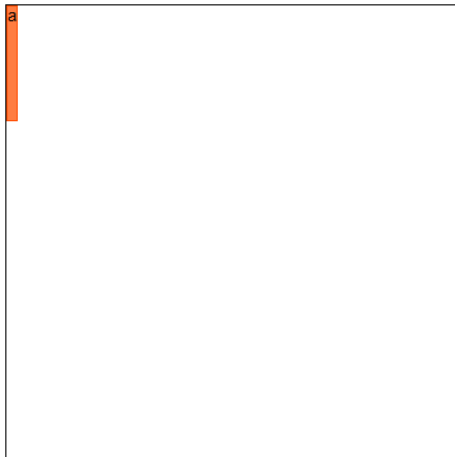


Encostado ao elemento que aparece antes
(no código):

```
<div id="caixa-grande">
  <div class="caixa-preta"
    style="float:left">
    <div class="caixa" style="float:left">
      &nbsp;
    </div>
  </div>
</div>
...
```

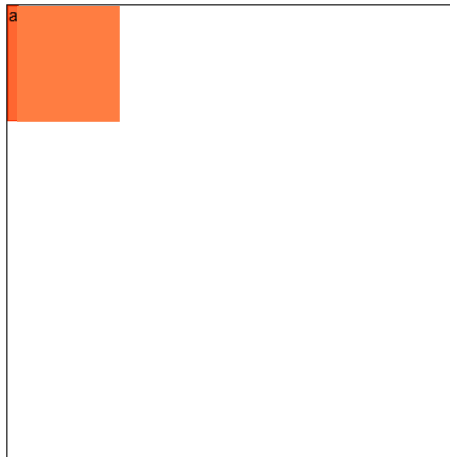
Positioning

Float Positioning: width obrigatório



Sem definir a largura (width)

```
<div class="caixa">a</div>
```



Com largura definida

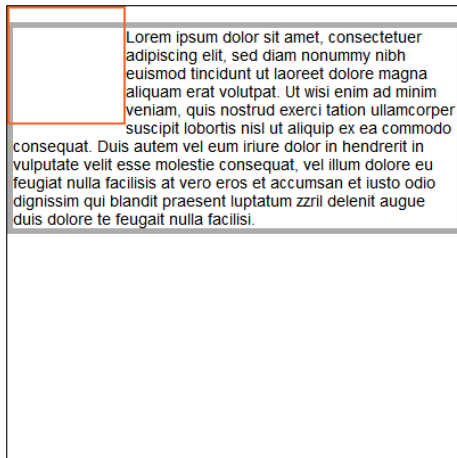
```
<div class="caixa" style="width: 100px; height: 100px">a</div>
```

ou

```
#caixa {  
...  
width: 100px;  
height: 100px;  
...  
}
```

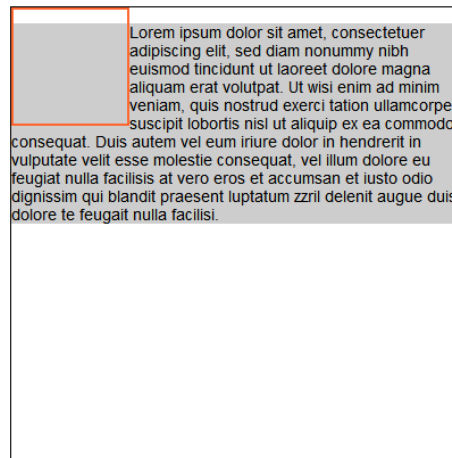
Positioning

Float Positioning: border e background-color



Conteúdo contorna o element, mas o seu border não.

```
<div class="caixa" style="float:left">
    &nbsp;
</div>
<div style="border: 2px solid #ddd">
    Lorem ipsum dolor sit amet, ...
</div>
```

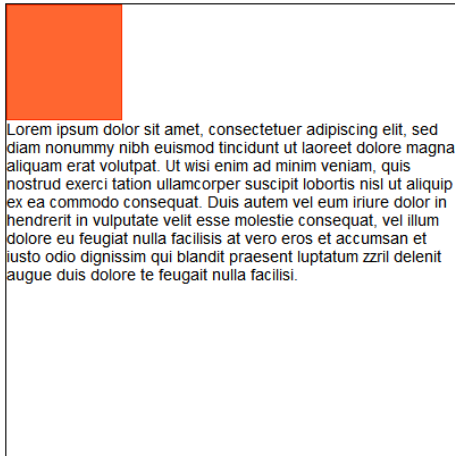


Conteúdo contorna o element, mas o seu background-color não.

```
<div class="caixa" style="float:left">
    &nbsp;
</div>
<div style="background-color: #ddd">
    Lorem ipsum dolor sit amet, ...
</div>
```

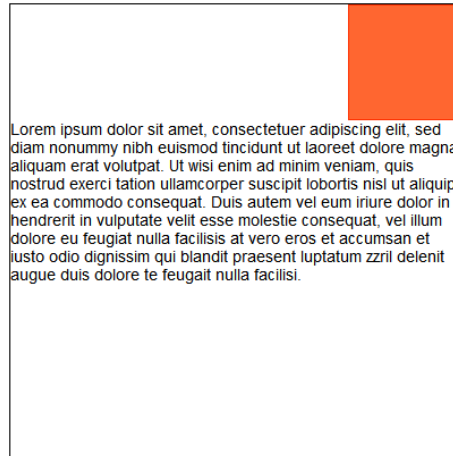
Positioning

Float Positioning: clear



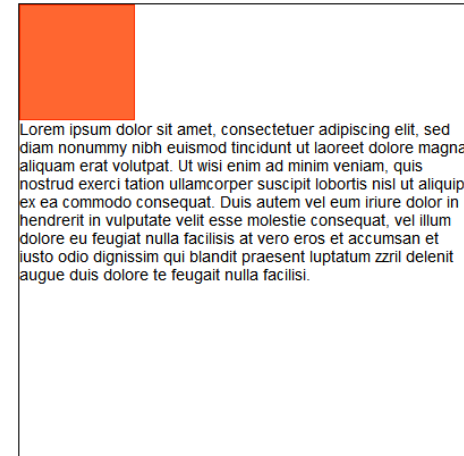
Caixa laranja com float: left mas texto com **clear: left**.

```
<div class="caixa" style="float: left">
  &nbsp;
</div>
<div style="clear: left">
  Lorem ipsum dolor sit amet, ...
</div>
```



Caixa laranja com float: right, mas texto com **clear: right**.

```
<div class="caixa" style="float: right">
  &nbsp;
</div>
<div style="clear: right">
  Lorem ipsum dolor sit amet, ...
</div>
```



Caixa laranja com float: left mas texto com **clear: both**.

```
<div class="caixa" style="float: left">
  &nbsp;
</div>
<div style="clear: both">
  Lorem ipsum dolor sit amet, ...
</div>
```

Positioning

Browsers: compatibilidade

- Compatíveis
 - IE5+, NN6+, Mozilla 1+, Opera 5+, Safari 1 e Firefox
- Semi-compatíveis
 - IE4 e NN4 → solução: @import

```
<style type="text/css" media="screen">@import url("advanced.css");</style>  
<link rel="stylesheet" href="general.css" media="screen" />
```

- Incompatíveis
 - IE3- e NN3- → solução: separar o conteúdo da apresentação

Exemplos

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.



```
CSS CODE
.floatright
{
float: right;
margin: 0 0 10px 10px;
border: 1px solid #666;
padding: 2px;
}
```

```
HTML CODE
<p>
Lorem ipsum dolor sit amet,
consectetur...
</p>
```

orem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

```
CSS CODE
.dropcap
{
float: left;
width: .7em;
font-size: 4em;
line-height: 83%;
}
```

```
HTML CODE
<p>
<span class="dropcap">L</span>orem ipsum dolor sit
amet, consectetur...
</p>
```

Exemplos

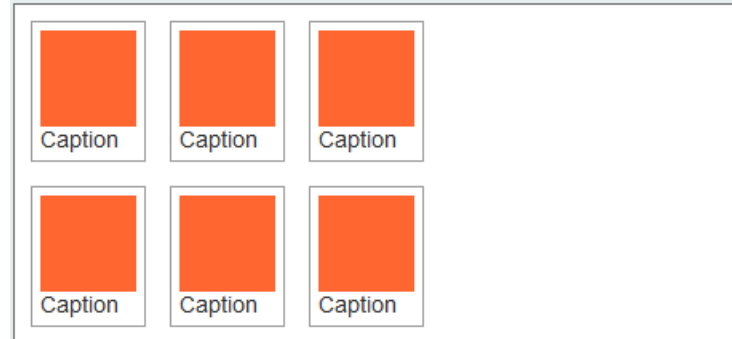
CSS CODE

```
.thumbnail  
{  
  float: left;  
  width: 60px;  
  border: 1px solid #999;  
  margin: 0 15px 15px 0;  
  padding: 5px;  
}
```

```
.clearboth { clear: both; }
```

HTML CODE

```
<div class="thumbnail">  
  <br>  
  Caption  
</div>  
<div class="thumbnail">  
  <br>  
  Caption  
</div>
```



Exemplos

CSS CODE

```
.floatright
{
float: right;
width: 103px;
margin: 0 0 10px 10px;
background-color: #fff;
padding: 10px;
border-top: 1px solid #999;
border-right: 2px solid #555;
border-bottom: 2px solid #555;
border-left: 1px solid #999;
}
```

```
div.floatright img
{
border-top: 2px solid #555;
border-right: 1px solid #999;
border-bottom: 1px solid #999;
border-left: 2px solid #555;
}
```

```
p { margin-top: 0; }
```

HTML CODE

```
<div class="floatright">
<br>
Caption here
</div>
<p>
Lorem ipsum dolor sit amet, consectetur...
</p>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi.



Caption here

Exemplos

CSS CODE

```
.floatright
{
float: right;
margin: 0 0 10px 10px;
clear: right;
}

.containingbox p { margin-top: 0;}
```

HTML CODE

```



<p>
Lorem ipsum dolor sit amet, consectetur adipiscing elit,
sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.
</p>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.



Exemplos

CSS CODE

```
ul#navlist
{
padding: 0;
margin: 0;
list-style-type: none;
float: left;
width: 100%;
color: #fff;
background-color: #036;
}

ul#navlist li { display: inline; }

ul#navlist li a
{
float: left;
width: 5em;
color: #fff;
background-color: #036;
padding: 0.2em 1em;
text-decoration: none;
border-right: 1px solid #fff;
}
```

Item one

Item two

Item three

```
ul#navlist li a:hover
{
background-color: #369;
color: #fff;
}
```

HTML CODE

```
<ul id="navlist">
<li><a href="#">Item one</a></li>
<li><a href="#">Item two</a></li>
<li><a href="#">Item three</a></li>
</ul>
```

Exemplos

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Subheading

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Footer

Exemplos



HTML CODE

```
<div id="container">
<div id="top">
<h1>Header</h1>
</div>
<div id="leftnav">
<p>
Lorem ipsum dolor sit amet, consectetur adipiscing
elit, sed diam nonummy nibh euismod tincidunt ut.
</p>
</div>
<div id="rightnav">
<p>
Lorem ipsum dolor sit amet, consectetur adipiscing
elit, sed diam nonummy nibh euismod tincidunt ut.
</p>
</div>
<div id="content">
<h2>Subheading</h2>
<p>
Lorem ipsum dolor sit amet, consectetur adipiscing
elit, sed diam nonummy nibh euismod tincidunt ut
feugait nulla facilisi.
</p>
<p>
Ut wisi enim ad minim veniam, quis nostrud exerci
</p>
</div>
<div id="footer">
Footer
</div>
</div>
```

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Subheading

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duiis dolore te feugait nulla facilisi.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duiis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Footer

Exemplos

CSS CODE

```
#container
{
width: 90%;
margin: 10px auto;
background-color: #fff;
color: #333;
border: 1px solid gray;
line-height: 130%;
}

#top
{
padding: .5em;
background-color: #ddd;
border-bottom: 1px solid gray;
}

#top h1
{
padding: 0;
margin: 0;
}

#leftnav
{
float: left;
width: 160px;
margin: 0;
padding: 1em;
}
```

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Subheading

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Footer

Exemplos

```
#rightnav
{
float: right;
width: 160px;
margin: 0;
padding: 1em;
}

#content
{
margin-left: 200px;
border-left: 1px solid gray;
margin-right: 200px;
border-right: 1px solid gray;
padding: 1em;
max-width: 36em;
}

#footer
{
clear: both;
margin: 0;
padding: .5em;
color: #333;
background-color: #ddd;
border-top: 1px solid gray;
}

#leftnav p, #rightnav p { margin: 0 0 1em 0; }
#content h2 { margin: 0 0 .5em 0; }
```

Header

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Subheading

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi.

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut.

Footer