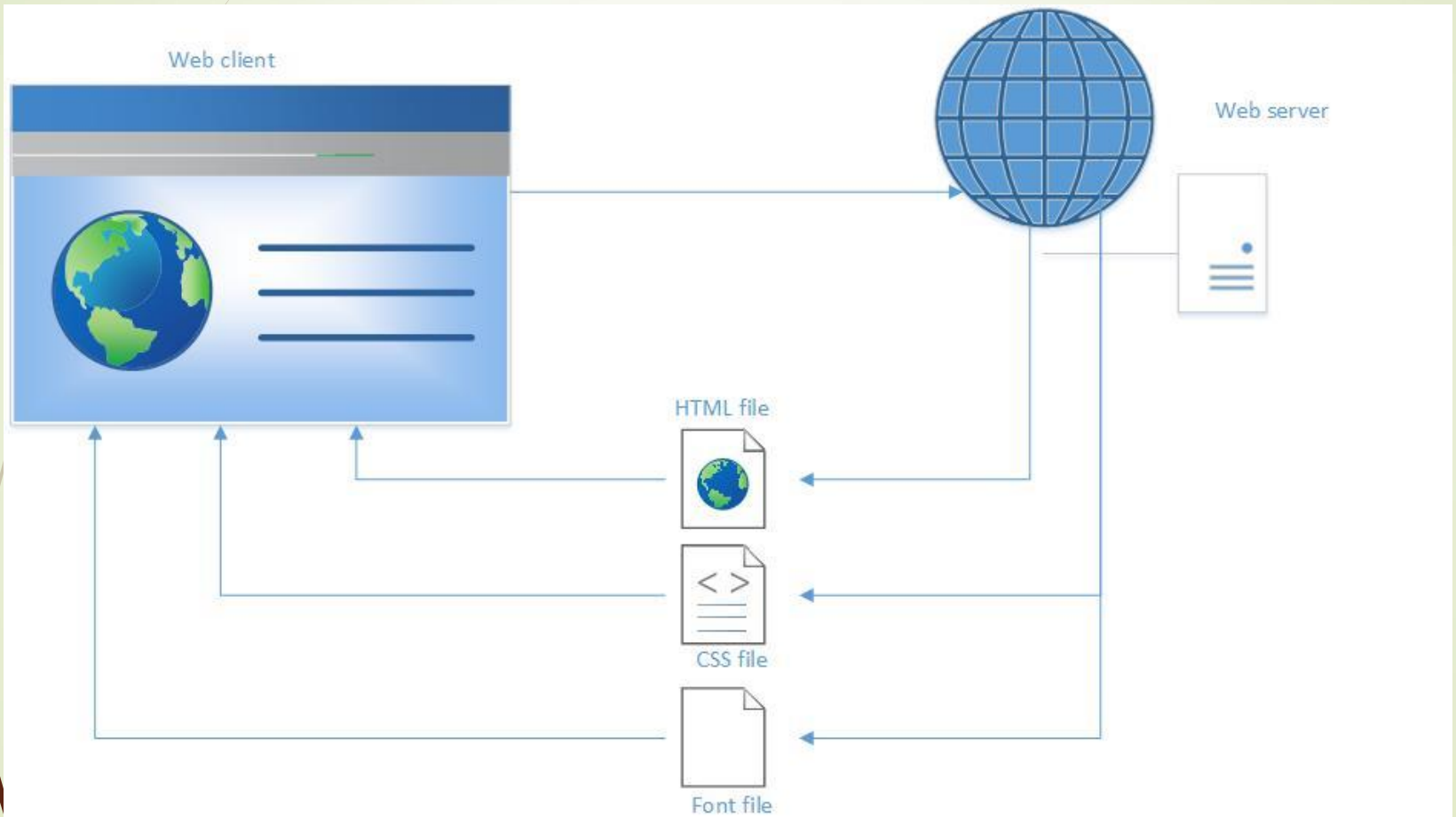




Cascade Style Sheet 3

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Renderovanje



CSS Minify

<https://www.cleancss.com/css-minify/>

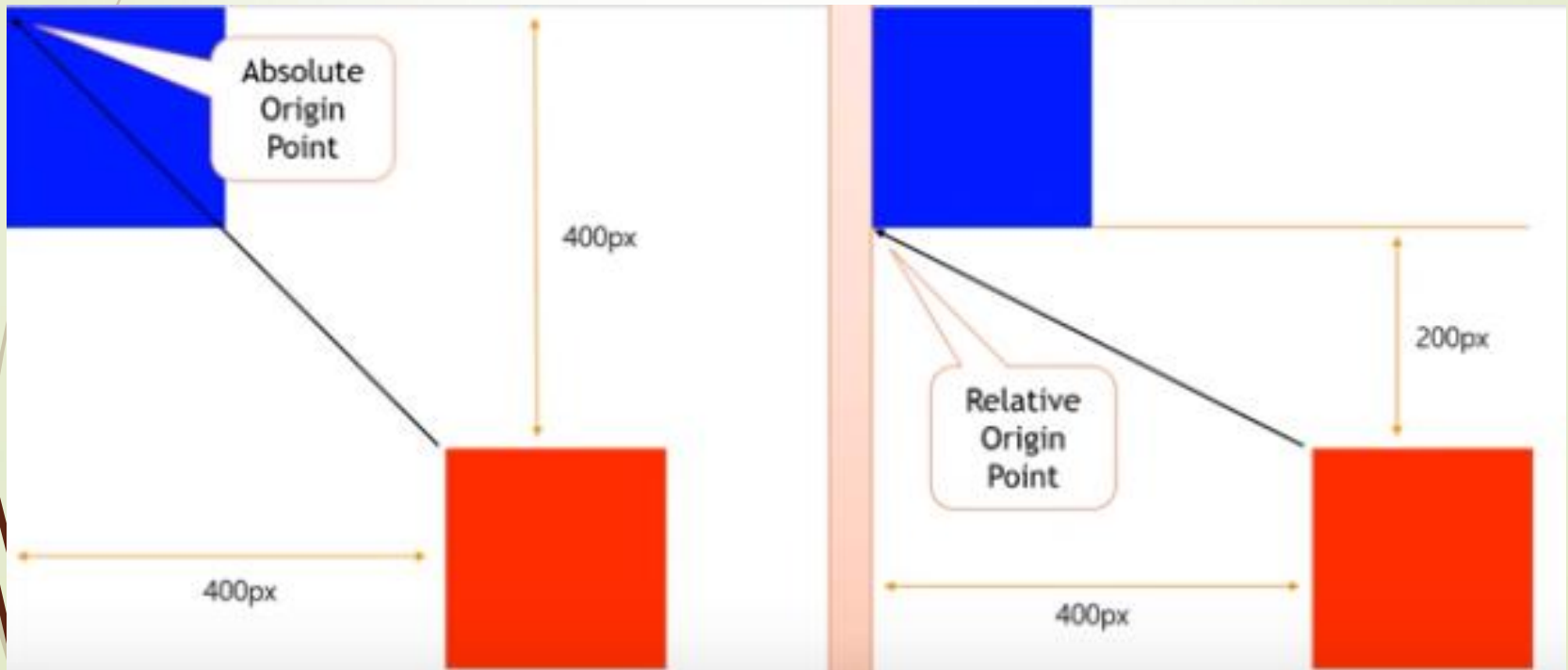
Pozicioniranje sadržaja

- Osnovna tehnika za pozicioniranje sadržaja je svojstvo **position**.
 - Ukoliko je vrednost svojstva: *relative*, *absolute* ili *fixed*, dostupna su i dodatna svojstva: *top*, *right*, *bottom*, *left*.
- Može se koristiti osobina **float**, ali je trend je da se ova osobina što manje koristi (tj. da se koristi samo za "obavijanje teksta oko bloka").

Raspored elemenata na stranici

- CSS svojstvo **position** zadaje poziciju elementa na stranici
- Ranije su elementi imali relativnu poziciju – njihov položaj zavisio je od drugih elemenata na stranici
- **Apsolutno** raspoređivanje omogućava postavljanje objekta u odnosu na levu ivicu i vrh stranice
- Primenom apsolutnog pozicioniranja element se može postaviti bilo gde na stranici, *unutar njegovog roditeljskog elementa*.
- **Relativno** raspoređivanje omogućava pomeraj objekta u odnosu na njegovu trenutnu poziciju.
- Korišćenjem apsolutnog raspoređivanja jedan element može se postaviti preko drugog.

Apsolutno i relativno pozicioniranje - razlike



Primer 1. apsolutno

```
<title>Apsolutna pozicija</title>
<style>
  .pomeraj{
    position:absolute;
    top:75px;
    left:100px;  }
</style>
</head>
<body>
  
  
</body>
</html>
</body>
</html>
```



Bez klase pomera



75px

100px



Sa klasom pomera

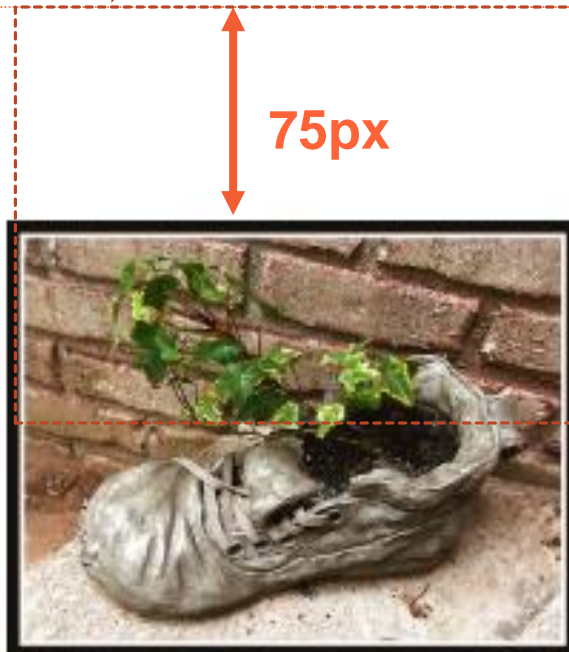
Primer 1. relativno

```
<title>Relativna pozicija</title>
<style>
.pomeraj{
position:relative;
top:75px;
left:0px; }
</style>
</head>
<body>


</body>
</html>
```




**Bez klase
pomeraaj**



**Sa klasom
pomeraaj**



Tekstualno zaglavlje sa senkom

Primer 2.

- Za kreiranje tekstualnog zaglavlja sa senkom potrebna su dva tekstualna elementa – jedan za zaglavlje, a drugi za senku
- Potrebno je napraviti dve klase:
- Klasu zaglavlja:
 - `.tekst {position:absolute; top:7px; left:1px; font-size:100px; font-family:arial black, impact helvetica, verdana; color: orangered}`
- Klasu senke:
 - `.senka {position:absolute; top:15px; left:7px; font-size:100px; font-family:arial black, impact helvetica, verdana; color:gray}`

Tekstualno zaglavlje sa senkom

- Klase tekst i senka primeniti na dva identična tekstualna elementa u zasebnim elementima **<div>**:

```
<body>  
  <div class="senka">BPŠ</div>  
  <div class="tekst"> BPŠ</div>  
</body>
```



```
<html>
```

```
<html> <head>
```

```
  <title> Senka </title>
```

```
  <style type="text/css">
```

```
    .tekst {position:absolute; top:7px; left:1px;
```

```
      font-size:100px;
```

```
      font-family:arial black;color:orangered}
```

```
    .senka {position:absolute; top:15px; left:7px;
```

```
      font-size:100px;
```

```
      font-family:arial black;color:gray}
```

```
  </style></head>
```

```
<body>
```

```
<div class="senka"> BPŠ</div>
```

```
<div class=" tekst ">BPŠ</div>
```

```
</body>
```

```
</html>
```

Upotreba svojstva text-shadow

```
<html>
<head>
  <title> Senka </title>
  <style type="text/css">
    .tekst_sa_senkou {
      position: absolute;
      top: 7px;
      left: 1px;
      font-size: 100px;
      font-family: arial black;
      color: orangered;
      text-shadow: 7px 7px 7px gray;
    }
  </style>
</head>
<body>
  <div class="tekst_sa_senkou">BPŠ</div>
</body>
</html>
```

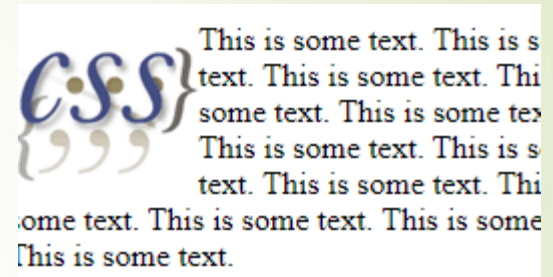
BPŠ

Svojstvo float i clear

➔ Vrednost **float:left** će teći od krajnje desne ivice na levo sve dok ne nađe svoje mesto.

➔ **float:right**

lipiscing elit. Phasellus rem egestas odio, vitae iecenas nisl est, ultrices nec us vestibulum augue ut are eu, lobortis in odio. hendrerit risus congue. Nunc dignissim ac. In at libero sed



➔ div3 ima svojstvo float: left;
div4 ima svojstvo clear: left;

div3

div4 - Here, clear: left; moves div4 down be floated to the left. You can also clear "right"

Pokretne slike u uglu i naslov

```
.floatright
```

```
{
```

```
CSS
```

```
float: right;  
width: 103px;  
margin: 0 30px 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;
```

```
}
```

```
img
```

```
{
```

```
border-top: 2px solid #555;  
border-right: 1px solid #999;  
border-bottom: 1px solid #999;  
border-left: 2px solid #555;
```

```
}
```

POKRETNA SLIKA

Tekst ce se pomerati oko slike...Tekst ce se pomerati
co slike Tekst ce se pomerati oko slike...Tekst ce se
omerati oko slike...Tekst ce se pomerati oko
slike...Tekst ce se pomerati oko slike Tekst ce se
pomerati oko slike...Tekst ce se pomerati oko
ke...Tekst ce se pomerati oko slike...Tekst ce se



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

Upotreba svojstva clear

CSS CODE

```
.floatright  
{  
  float: right;  
  margin: 0px 50px 10px 10px;  
  clear: right;}
```

ekst oko slike...Tekst oko slike...Tekst oko
like...Tekst oko slike...Tekst oko slike...Tekst oko



ekst oko slike...Tekst oko slike...Tekst oko
like...Tekst oko slike...Tekst oko slike...Tekst oko



HTML CODE

```
  
  

```

<p>Tekst oko slike...Tekst oko slike...Tekst
oko slike...Tekst oko slike...Tekst oko
slike...Tekst oko slike...</p>

<p>Tekst oko slike...Tekst oko slike...Tekst
oko slike...Tekst oko slike...Tekst oko
slike...Tekst oko slike...</p>...

Kreiranje foto galerije

html

```
<div class="slicica"><a href="Slike\1.jpg"></a><br>Cipela </div>
<div class="slicica"><br>Ruža </div>
<div class="slicica"><br>Cveće
</div><br class="clearboth">
<div class="slicica"><br>Meda </div>
<div class="slicica"><br>Knjiga </div>
<div class="slicica"><a href="Slike\6.jpg"></a><br>Neven </div><br class="clearboth">
<div class="slicica"><br>Makaze </div>
<div class="slicica"><br>Šolja </div>
<div class="slicica"><br>Jagoda
</div><br class="clearboth">
```



Cipela



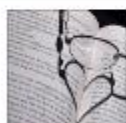
Ruža



Cveće



Meda



Knjiga



Neven

CSS

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



Z - index

- Svojstvo z-index određuje redosled pozicioniranja elemenata u sloju.
- Služi za kreiranje još jedne ose na koju mogu da se ređaju i preklapaju stavke.
- Ovo je korisno kod pozicioniranja pošto se može definisati koji provougaonik dolazi u prvi plan, a koji se nalazi ispod njega.

z-index: vrednost;

CSS

```
body {  
  background: #000000;  
  color: #ffffff;  
}
```

```
#mainblock {  
  position: relative;  
  left: 100px;  
  top: 20px;  
  width: 500px;  
  height: 200px;  
  background: #870a0a;  
  color: #ffffff;  
}
```

```
#yellowblock {  
  position: absolute;  
  left: 30px;  
  top: 50px;  
  width: 250px;  
  height: 100px;  
  background: #ffff00;  
  color: #000000;  
}
```

```
#greenblock {  
  position: absolute;  
  left: 30px;  
  top: 30px;  
  width: 100px;  
  height: 50px;  
  background: #00c000;  
  color: #000000;  
}
```

Z-index primer

HTML

```
<div id="mainblock">  
  Ovo je mainblock.  
  <div id="yellowblock">  
    Ovo je yellow block.  
  </div>  
  <div id="greenblock">  
    Ovo je green block.  
  </div>  
</div>
```

**Postavi z-index:2 za žuti
z-index:1 za zeleni!**

Z-index

div>div {

```
width: 350px;
border: 3px solid gray;
box-sizing: border-box;
background-color: lime; }
```

```
#ispod {
```

```
position: absolute;
left: 0px;
top: 0px;
z-index: -1; }
```

```
#iznad {
```

```
position: absolute;
left: 300px;
top: 50px;
z-index: 1; }
```

```
h2
```

```
{
```

```
color: white;
padding: 15px; }
```

CSS



Ova slika ima širinu od 350px. Ovaj div element
takođe je širine 350px.

html

```
<body>
```

```
<h2>Slika sa objašnjenjem ispod:</h2>
```

```
<div id="iznad">
```

```

```

```
<div>Ova slika ima širinu od 350px. Ovaj div  
element takođe je širine 350px.</div>
```

```
</div>
```

```

```

```
</body>
```

Transparentne slike

```
<style>
  img {
    opacity: 0.3;
    filter: alpha(opacity=30);
  }
</style>
</head>
<body style="background-color:midnightblue">

  <h2>Prozirna slika</h2>

  
```

Nerozirna slika



Prozirna slika



Display: (inline)(block)inline-block

```
.floating-box {  
  float: left; CSS_1. način  
  width: 150px;  
  height: 75px;  
  margin: 10px;  
  padding-left: 10px;  
  border: 3px solid  
  midnightblue;  
  color: midnightblue;  
  background-color: lime;  
}  
  
.after-box {  
  clear: left; /*both*/  
  border: 3px solid lime;  
  color: lime;  
  background-  
  color: midnightblue;  
  padding: 10px;  
}
```

```
.floating-box {  
  display: inline-block;  
  ... ;  
}  
  
.after-box {  
  border: 3px solid red;  
}
```

CSS_2. način

html

```
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
<div class="floating-box">Plutajuća kutija</div>  
  
<div class="after-box">Ova kutija dolazi nakon  
plutajućih kutija...</div>
```

Dugme menija

```
<style>
a:link, a:visited {
  background-color:
  midnightblue;
  color: azure;
  padding: 14px 25px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
}

a:hover, a:active {
  background-color: azure;
  color: midnightblue;
}
</style>
```

border-radius: 10px



Skidanje linije ispod linka



```
<a href=„#" target=„_blank">LINK1</a>
<a href="#" target=„_blank">LINK2</a>
<a href="#" target=„_blank">LINK3</a>
<a href="#" target=„_blank">LINK4</a>
```

Dugme BACK i NEXT

CSS CODE

```
ul#navigacija{list-style-type:
none;margin: 0;padding: .5em
0;border-top: 1px solid #666;}

ul#navigacija li a{display:
block;width: 7em;color:
#FFF;background-color:
#036;padding: .2em 0;text-
align: center;
text-decoration: none;}

ul#navigacija li a:hover{color:
#FFF;background-color: #69C;}

ul#navigacija .levo { float:left; }

ul#navigacija .desno { float:
right; }
```

HTML CODE

```
<p>Lorem ipsum dolor sit
amet...</p><ul
id="navigacija"><li
class="levo">

<a
href="#">PRETHODNA
</a></li>

<li class="desno">

<a
href="#">SLEDEĆA</a>
</li></ul>
```

Lorem ipsum dolor sit amet...

Kreiranje vertikalne navigacije 1

```
<body>
  <ul> <li><a href="#">Home</a></li>
  <li><a href="#">Bigrafija</a></li>
  <li><a href="#">Radovi</a></li>
  <li><a href="#">Slike</a></li>
  <li><a href="#">Kontakt</a></li></ul>
</body>
```

```
<style>
  ul{
    width:150px; height:50px; text-align:center;
    font-family:Verdana, Geneva, sans-serif;
    font-size:14px; margin:0; padding:0; }
  li{
    width:150px; height:50px; list-style:none; }
  a{
    background:midnightblue repeat-x; width:150px; height:50px;
    text-decoration:none; color:lime; display:block; padding-top:16px; }
  a:hover{
    background:lime repeat-x; color:midnightblue; font-weight:bold;
    text-transform:uppercase; }
</style>
```



Kreiranje vertikalne navigacije 2

```
<body>
  <ul id="navigacija"> <li><a
href="#">Home</a></li>
  <li><a href="#">Biografija</a></li>
  <li><a href="#">Radovi</a></li>
  <li><a href="#">Slike</a></li>
  <li><a href="#">Kontakt</a></li></ul>
</body>
```

```
ul#navigacija
{
  margin-left: 0;
  padding-left: 0;
  list-style-type: none;
}
ul#navigacija a
{
  display: block;
  text-decoration: none;
  background: midnightblue;
  color: lime;
  padding: 10px;
  border-bottom: 1px solid #808080;
  width: 7em;
}
#navigacija a:hover
{
  display: block;
  text-decoration: none;
  background: magenta;
  color: lime;
  padding: 10px;
  border-bottom: 1px solid #808080;
  width: 7em;
}
```

Kreiranje horizontalne navigacije

```
ul#navigation
```

```
{  
    margin-left: 0;  
    padding-left: 0;  
    list-style-type: none;  
    background: #036;  
}
```

```
ul#navigation li
```

```
{  
    display: inline;  
}
```

```
ul#navigation a
```

```
{  
    display: block;  
    float: left;  
    padding: .2em 1em;  
    text-decoration: none; color: #fff; background: #036;  
    border-right: 1px solid #fff;  
}
```

```
ul#navigation a:hover{
```

```
    color: #036; background:#fff ;  
    border: 1px solid #036;  
    margin-top : -1px;
```

Pocetna

O nama

Servisi

Zaposleni

Politika

Kontakt

Mapa sajta

```
<ul id="navigation">
```

```
    <li><a href="#">Pocetna</a></li>
```

```
    <li><a href="#">O nama</a></li>
```

```
    <li><a href="#">Servisi</a></li>
```

```
    <li><a href="#">Zaposleni</a></li>
```

```
    <li><a href="#">Politika</a></li>
```

```
    <li><a href="#">Kontakt</a></li>
```

```
    <li><a href="#">Mapa sajta</a></li>
```

```
</ul>
```



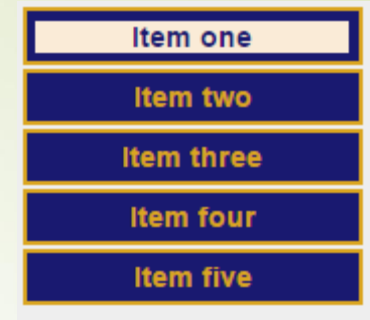
Vertikalni i horizontalni meni - primeri

<http://css.maxdesign.com.au/index.htm>

HTML isti za naredne primere

```
<div id="navcontainer">
<ul id="navlist">
<li id="active"><a href="#"
id="current">Item one</a></li>
<li><a href="#">Item
two</a></li>
<li><a href="#">Item
three</a></li>
<li><a href="#">Item
four</a></li>
<li><a href="#">Item
five</a></li>
</ul>
</div>
```

Double Border



CSS

```
ul#navlist
{
margin: 0 0 0 30px;
padding: 0;
width: 12.5%;
}
```

```
#navlist li
{
list-style-type: none;
background-color: #191970;
color: #daa520;
border: .2em solid #daa520;
font-weight: 600;
text-align: center;
padding: .3em;
margin-bottom: .1em;
}
```

```
#navlist li a
{
color: #daa520;
text-decoration: none;
display: block;
}
```

```
#navlist li a:hover
{
background-color: #faebd7;
color: #191970;
}
```

Vertical Buttons

CSS

```
#navcontainer
{
background: #f0e7d7;
width: 30%;
margin: 0 auto;
padding: 1em 0;
font-family: georgia, serif;
font-size: 13px;
text-align: center;
text-transform: lowercase;
}
ul#navlist
{
text-align: left;
list-style: none;
padding: 0;
margin: 0 auto;
width: 70%;
}
ul#navlist li
{
display: block;
margin: 0;
padding: 0;
}
```

item one

item two

```
ul#navlist li a
{
display: block;
width: 100%;
padding: 0.5em 0 0.5em 2em;
border-width: 1px;
border-color: #ffe #aaab9c #ccc
#fff;
border-style: solid;
color: #777;
text-decoration: none;
background: #f7f2ea;
}
#navcontainer>ul#navlist li a {
width: auto; }
ul#navlist li#active a
{
background: #f0e7d7;
color: #800000;
}
ul#navlist li a:hover, ul#navlist
li#active a:hover
{
color: #800000;
background: transparent;
border-color: #aaab9c #fff #fff
#ccc;
}
```

Eric Meyer's tabbed navbar

CSS

```
#navlist
```

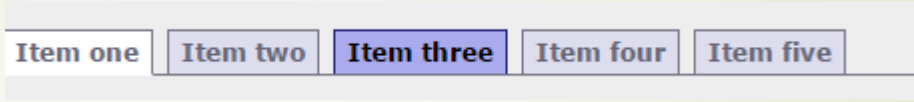
```
{  
padding: 3px 0;  
margin-left: 0;  
border-bottom: 1px solid #778;  
font: bold 12px Verdana, sans-serif;  
}
```

```
#navlist li
```

```
{  
list-style: none;  
margin: 0;  
display: inline;  
}
```

```
#navlist li a
```

```
{  
padding: 3px 0.5em;  
margin-left: 3px;  
border: 1px solid #778;  
border-bottom: none;  
background: #DDE;  
text-decoration: none;  
}
```



```
Item one Item two Item three Item four Item five
```

```
#navlist li a:link { color: #448; }  
#navlist li a:visited { color: #667; }
```

```
#navlist li a:hover  
{  
color: #000;  
background: #AAE;  
border-color: #227;  
}
```

```
#navlist li a#current  
{  
background: white;  
border-bottom: 1px solid white;  
}
```


Horizontal Buttons

CSS

```
#navcontainer
```

```
{  
background: #f0e7d7;  
margin: 0 auto;  
padding: 1em 0 0 0;  
font-family: georgia, serif;  
text-transform: lowercase; }
```

```
#navcontainer:after
```

```
{  
content: ".";  
display: block;  
line-height: 1px;  
font-size: 1px;  
clear: both; }  
ul#navlist  
{  
list-style: none;  
padding: 0;  
margin: 0 auto;  
width: 80%;  
font-size: 0.8em; }
```

```
ul#navlist li  
{  
display: block;  
float: left;  
width: 15%;  
margin: 0;  
padding: 0;  
}
```

```
ul#navlist li a  
{  
display: block;  
width: 100%;  
padding: 0.5em;  
border-width: 1px;  
border-color: #fe #aaab9c #ccc #fff;  
border-style: solid;  
color: #777;  
text-decoration: none;  
background: #f7f2ea;  
}
```

```
#navcontainer>ul#navlist li a { width: auto; }
```

```
ul#navlist li#active a  
{  
background: #f0e7d7;  
color: #800000;  
}
```

```
ul#navlist li a:hover, ul#navlist li#active a:hover  
{  
color: #800000;  
background: transparent;  
border-color: #aaab9c #fff #fff #ccc;  
}
```

item one

item two

it



CSS - linkovi

- http://www.w3schools.com/css/css_examples.asp
- <http://www.csszengarden.com>
- [**http://css.maxdesign.com.au/index.htm**](http://css.maxdesign.com.au/index.htm)

Primer

- U opisu stila definišite tri klase:

```
div.row {clear:both; padding-top:12px}
```

```
span.label {float:left; width:110px; text-align:right}
```

```
span.element {float:right; width:350px; text-align:left}
```

Potom upotrebite definisane klase za kreiranje obrasca prikazanog na slici.

The diagram illustrates a form layout with the following elements and annotations:

- Form Fields:** "First Name:", "Last Name:", "eMail Address:", and "Comments:" (with a large red text area).
- Buttons:** "Submit" and "Reset" at the bottom.
- Annotations:**
 - label:** Points to the "First Name:" text.
 - div:** Points to the "First Name:" label and the "Last Name:" label.
 - div:** Points to the "eMail Address:" label.
 - div:** Points to the "Comments:" label.
 - div:** Points to the "Submit" button.
 - div:** Points to the "Reset" button.
 - element:** Points to the "First Name:" input field.

Primer

```
<html> <head><title> CSS i obrasci </title>
<style>
div.row {clear:both; padding-top:12px}
span.label {float:left; width:110px; text-align:right}
span.element {float:right; width:350px; text-align:left}
</style></head>
<body>
<div style="width:475px; background-color:#ffffe0 :#ffffe0;
border:limegreen 1px solid; padding:5px">
  <form>
    <div class="row">
      <span class="label"> First Name: </span>
      <span class="element"> <input type="text" size="30"> </span>
    </div>
    <div class="row">
      <span class="label"> Last Name: </span>
      <span class="element"> <input type="text" size="30"></span>
    </div>
    <div class="row">
      <span class="label"> eMail Address: </span>
      <span class="element"> <input type="text" size="30"> </span>
    </div>
    <div class="row">
      <span class="label"> Comments: </span>
      <span class="element"> <textarea style="background-
color:magenta" cols="40" rows="10"> </textarea> </span>
    <p>&nbsp;</p> </div>
    <div class="row"
    <br>&nbsp;<input type="submit" value="Submit">
    &nbsp;<input type="reset" value="Reset"><br>&nbsp;</div>
  </form></div></body></html>
```



Domaći

- Stranica koja sadrži:
 - Meni
 - Animacije
 - Pseudo klase i elementi
 - Galerija slika
- Responzivna stranica