

Introducere în CSS

(Cascading Style Sheets)

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Bibliografie

◇ <http://www.w3schools.com/>

Sintaxa

◇ tag { atribut: value; }

◇ element { proprietate: valoare; }

```
h1 { color: green; }
```

```
body { background: black; }
```

```
p { text-align: right; color: green; }
```

```
p { font-family: "times new roman"; }
```

```
h1, h2, h3, p { font-family: arial; color: green; }
```

Comentarii

◇ /* Un comentariu se marcheaza asa */

Class, ID

◆ HTML

```
<p class="center">Paragraf  
centrat.</p>
```

```
<p class="right">Paragraf aliniat  
la dreapta.</p>
```

◆ CSS

```
p.center {text-align:center}
```

```
p.right {text-align:right}
```


Class, ID

◆ HTML

```
<div id="center">  
<h1 class="center">Un titlu centrat</h1>  
<p class="center">O descriere centrata.</p>  
</div>
```

◆ CSS

```
.center {text-align:center}  
  
#center {text-align:center; color:blue; font-family:"sans serif"}
```

Class, ID

- ◇ *#id* , *.class* - stilizarea unui element HTML
- ◇ Atributul **id** este folosit in general in javascript, pentru a localiza un element html si executa actiuni asupra lui.
- ◇ Pe de alta parte atributul *id* trebuie sa fie unic in pagina. Asta inseamna ca nu poate exista un alt element html cu acelasi *id*. Prezenta mai multor elemente cu acelasi *id*, poate genera erori javascript si un corp html invalid.

Extern, Intern sau Inline

- ◆ Fișier CSS extern

```
<head>
```

```
<link rel="stylesheet" type="text/css" href="fisier_extern.css" />
```

```
</head>
```

- ◆ CSS intern

```
<head>
```

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

```
...
```

```
</style>
```

```
</head>
```

- ◆ CSS inline

Folosirea atributului style="..."

Ordine, prioritate

- ◇ Formatare CSS inline (in interiorul tag-ului HTML)
- ◇ Formatare CSS interna (in sectiunea head a documentului)
- ◇ Formatare CSS externa (fisier .css extern)
- ◇ Standardul browser-ului (valori CSS atribuite standard)

Background

- ◇ *background-color* (hexadecimal, RGB sau folosind numele in engleza)
- ◇ *background-image* (url-ul imaginii)
- ◇ *background-repeat* (repetarea imaginii pe verticală sau pe orizontală)
Valori: *repeat-x*, *repeat-y*, *no-repeat*
- ◇ *background-attachment* (imaginea de background este fixă)
Valori: *fixed*
- ◇ *background-position*
Valori: *top right*, *center left*, ...

Text

- ◇ color: (hexadecimal, RGB sau folosind numele in engleza)
- ◇ text-align: (*left, center, right*)
- ◇ text-decoration: (*none, overline, line-through, underline, blink*)
- ◇ text-transform: (*uppercase, lowercase, capitalize*)
- ◇ text-indent
- ◇ letter-spacing
- ◇ line-height
- ◇ direction
- ◇ Word-spacing

Font

- ◇ font-family
- ◇ font-style: (*normal, bold, italic*)
- ◇ font-size
- ◇ font-variant: (*normal, small-caps*)
- ◇ *Font-weight*

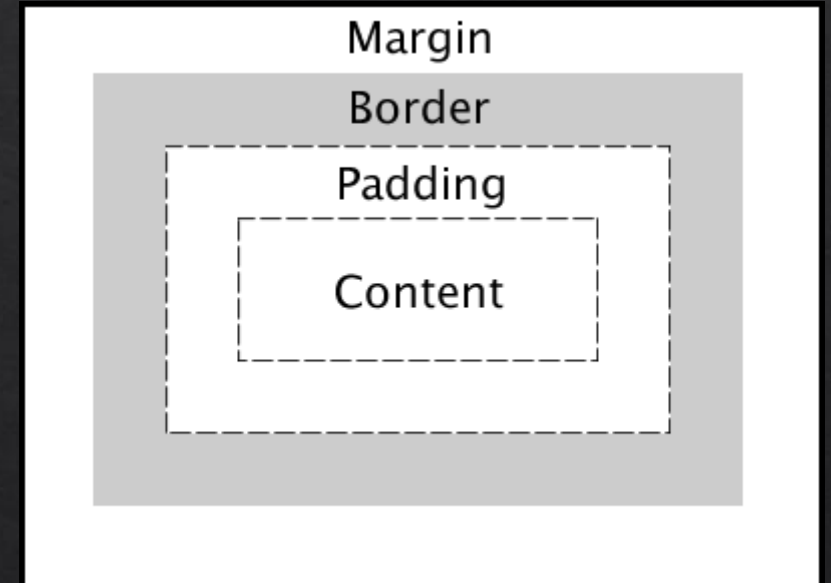


Links

- ◇ a:link
- ◇ a:visited
- ◇ a:hover
- ◇ a:active

Margin, Border, Padding

- ◇ **margin:** distanta intre border si marginea paginii
- ◇ **border:** marginea si cutia care incadreaza continutul
- ◇ **padding:** distanta intre border si continut
- ◇ **content:** continutul propriu-zis (text, imagini, etc)



- ◇ $\text{latimea continutului} + \text{left padding} + \text{right padding} + \text{left border} + \text{right border} + \text{left margin} + \text{right margin} = \text{Latimea totala}$
- ◇ $\text{inaltimea continutului} + \text{left padding} + \text{right padding} + \text{left border} + \text{right border} + \text{left margin} + \text{right margin} = \text{Inaltimea totala}$

Margin, Border, Padding

- ◇ border: *none, solid, dotted, dashed, double, groove, ridge, inset, outset*
- ◇ border-width
- ◇ border-color

- ◇ margin-top; margin-right; margin-bottom; margin-left;

- ◇ padding-top; padding-right; padding-bottom; padding-left;

Dimensiuni

- ◇ height
 - ◇ width
 - ◇ max-height
 - ◇ max-width
 - ◇ min-height
 - ◇ min-width
-
- ◇ Unități de măsură: px, cm, %

Liste

- ◇ list-style-type: (*disc, circle, square, none*)
- ◇ list-style-image: (*url catre imagine*)
- ◇ list-style-position: *inside, outside*

Poziționare

- ◇ statica
 - ◇ fixa
 - ◇ relativa
 - ◇ absoluta
-
- ◇ z-index

Display

- ◇ visibility: (*hidden, visible*)
- ◇ display: (*none, inline, block, inline-block, table, table-cell, flex, ...*)

Float

◇ float: (*none, left, right*)

◇ clear: (*both*)

Pseudo-clase, Pseudo-elemente

- ◇ :hover, :link, :visited, :active, :target
- ◇ :first-child, :first-of-type, :last-child, :last-of-type
- ◇ :nth-child(n), :nth-last-child(2), nth-of-type(n)
- ◇ :only-of-type, :only-child
- ◇ :lang (*language*)
- ◇ :focus, :checked
- ◇ :disabled, :enabled,
- ◇ :empty, :invalid, :valid
- ◇ :optional, :required, :read-only, :read-write
- ◇ :not(selector)
- ◇ ::after
- ◇ ::before
- ◇ ::first-letter
- ◇ ::first-line
- ◇ ::selection

Opacitate

```
opacity: 0.4;  
filter: alpha(opacity=40); /* For IE8 and earlier */
```

CSS [attribute] Selector

- ◇ [attribute]
- ◇ [attribute="value"]
- ◇ [attribute~="value"]
- ◇ [attribute|="value"]
- ◇ [attribute^="value"]
- ◇ [attribute\$="value"]
- ◇ [attribute*="value"]

CSS-counters

- ◇ counter-reset
- ◇ counter-increment
- ◇ content
- ◇ counter() sau counters()

```
body {  
    counter-reset: section;  
}  
  
h2::before {  
    counter-increment: section;  
    content: "Section " counter(section) " ";  
}
```

```
<h1>Using CSS Counters:</h1>  
<h2>HTML Tutorial</h2>  
<h2>CSS Tutorial</h2>  
<h2>JavaScript Tutorial</h2>
```

Using CSS Counters:

Section 1: HTML Tutorial

Section 2: CSS Tutorial

Section 3: JavaScript Tutorial