Sistemas de Representação Digital em Design

FA.Ulisboa

2013/2014 2º semestre Licenciatura em Design

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Introduction to CSS

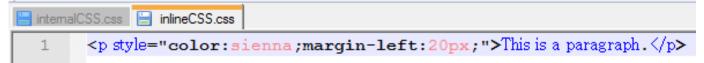
CSS stands for Cascading Style Sheets Styles define how to display HTML elements

There are three ways of inserting a style sheet:

>> Internal style sheet

internalCSS.css								
1	<head></head>							
2	<style></th></tr><tr><th>3</th><th><pre>hr {color:sienna;}</pre></th></tr><tr><th>4</th><th><pre>p {margin-left:20px;}</pre></th></tr><tr><th>5</th><th><pre>body {background-image:url("images/back40.gif");}</pre></th></tr><tr><th>6</th><th></style>							
7								

>>Inline style

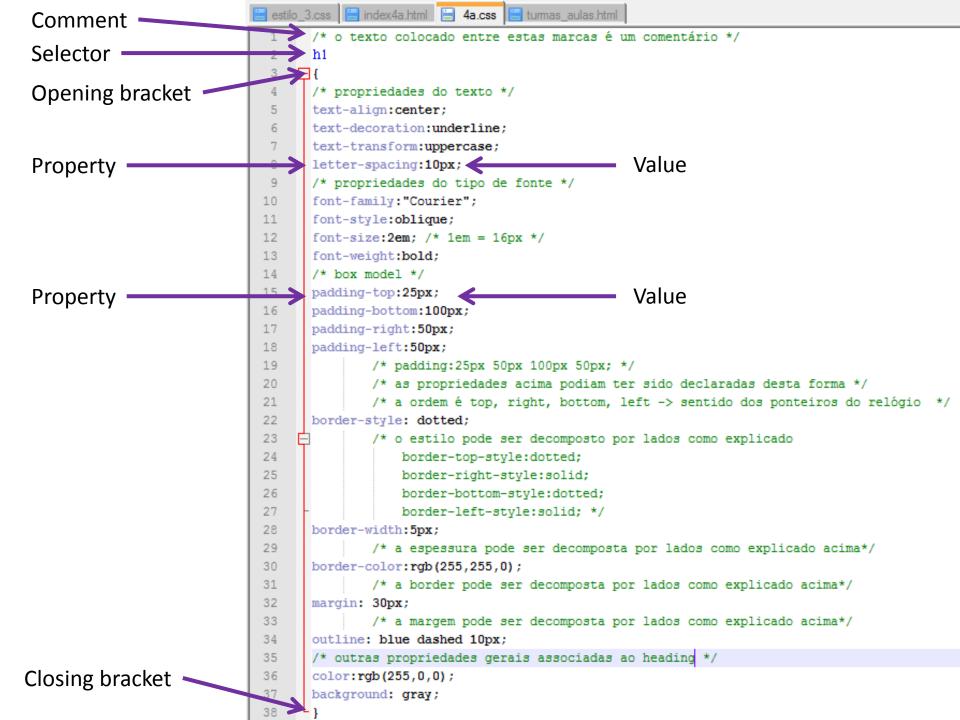


(http://www.w3schools.com/css/css_intro.asp)

Introduction to CSS

>> External style sheet (the external CSS file has to be declared in the header)

</head>



Introduction to CSS.

Visualizing the *html* file with *heading1* (h1) formatted with an external CSS file.

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The CSS Box Model

All HTML elements can be considered as boxes. In CSS, the term "box model" is used when talking about design and layout.

The CSS box model is essentially a box that wraps around HTML elements, and it consists of: margins, borders, padding, and the actual content.

The box model allows us to place a border around elements and space elements in relation to other elements.

The image below illustrates the box model:

Explanation of the different parts:

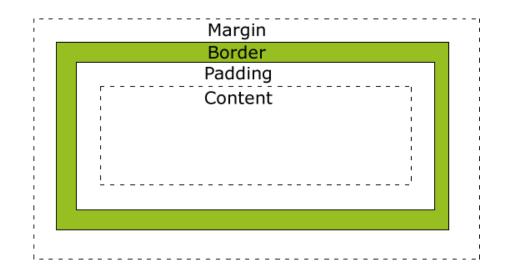
•Margin - Clears an area around the border. <u>The margin does not have a background color,</u> <u>it is completely transparent</u>

•**Border** - A border that goes around the padding and content. The border is inherited from the color property of the box

•**Padding** - Clears an area around the content. The padding is affected by the background color of the box

•Content - The content of the box, where text and images appear

In order to set the width and height of an element correctly in all browsers, you need to know how the box model works.

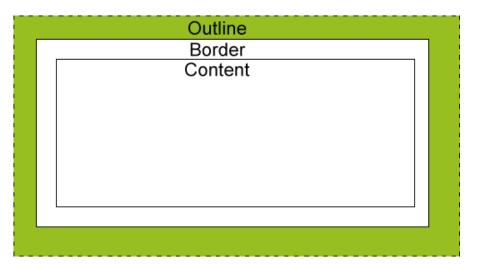


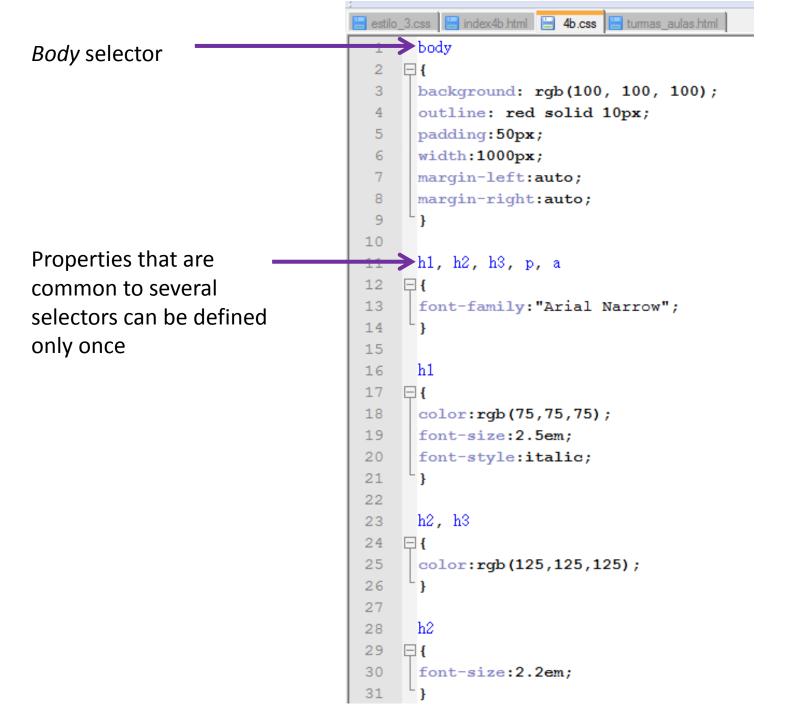
CSS Outline

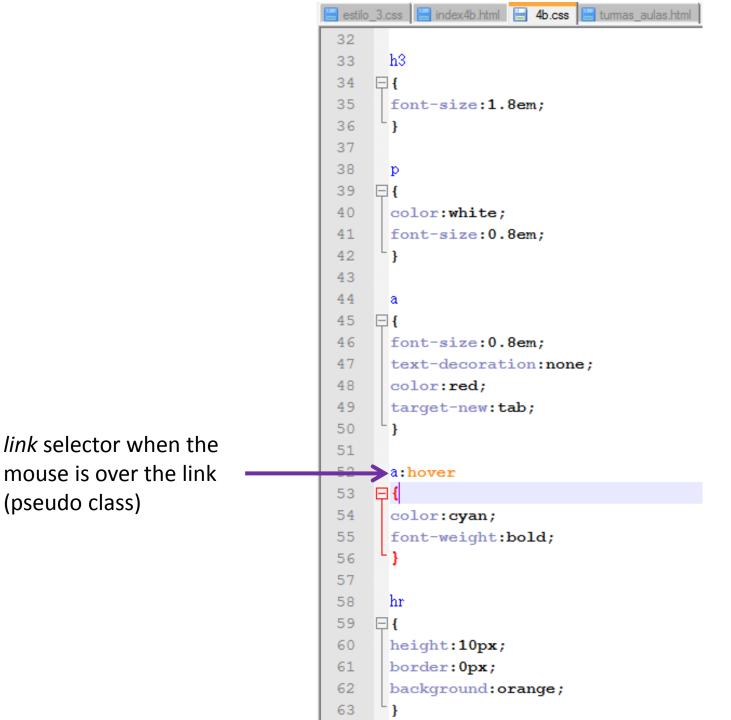
An outline is a line that is drawn around elements (outside the borders) to make the element "stand out".

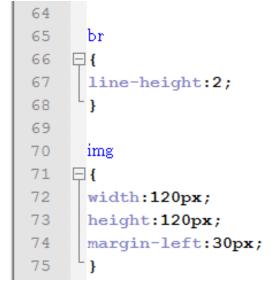
However, the outline property is different from the border property.

The outline is not a part of an element's dimensions; the element's total width and height is not affected by the width of the outline.





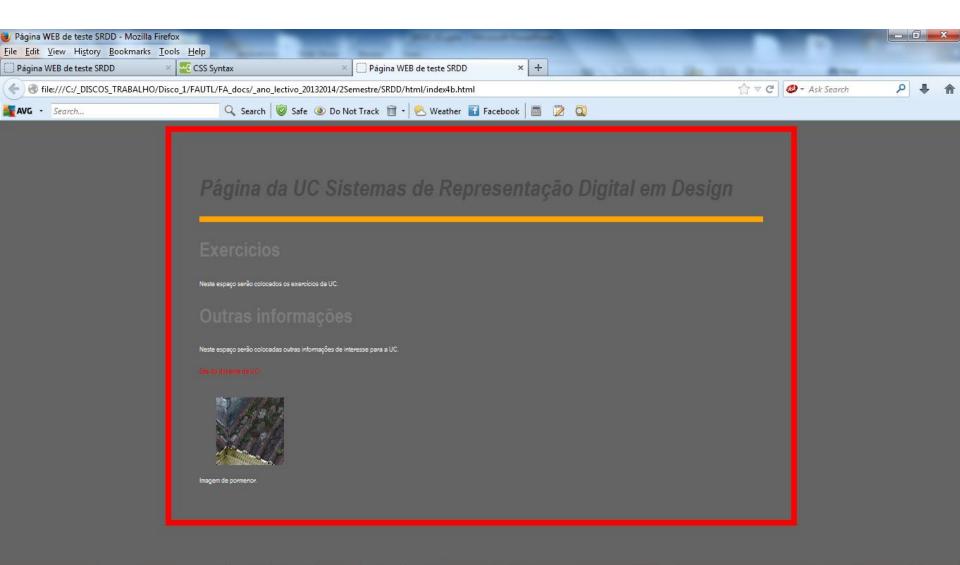




Any html element can be formatted with CSS.

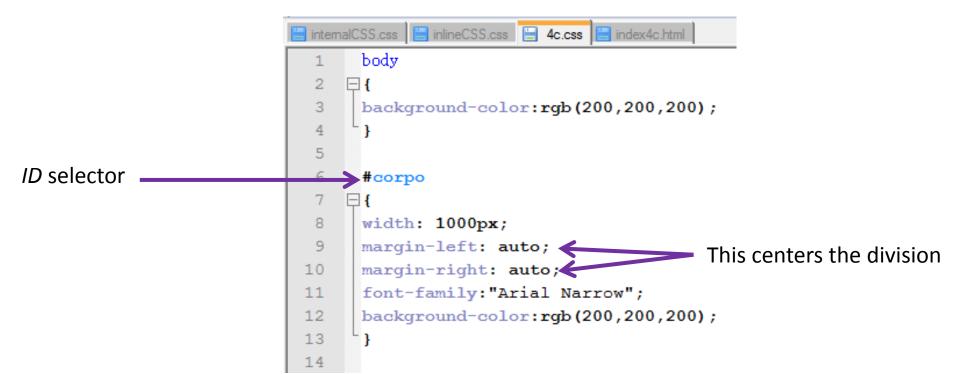
This allows that the visualization of an entire web portal can be changed by editing a single CSS file.

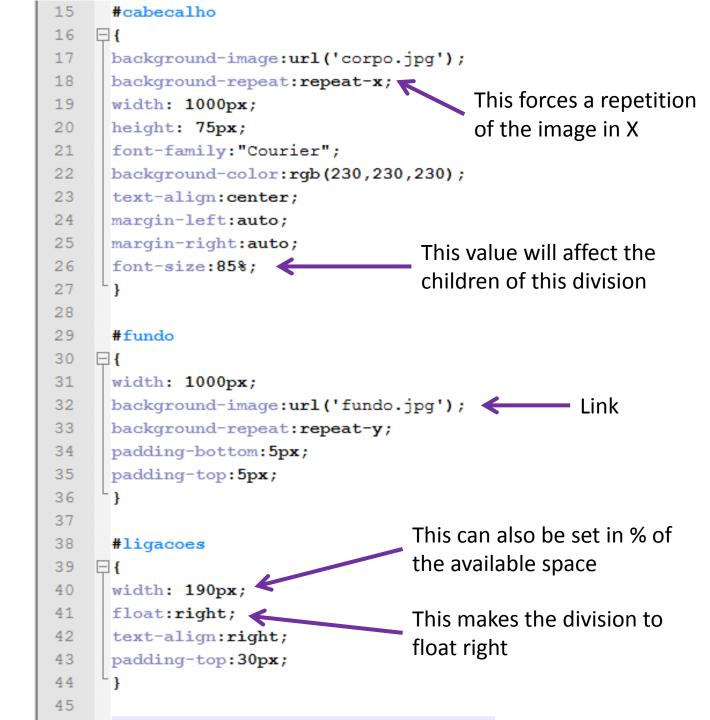
Visualizing the *html* file formatted with an external CSS file. In this example all the html elements were formatted.

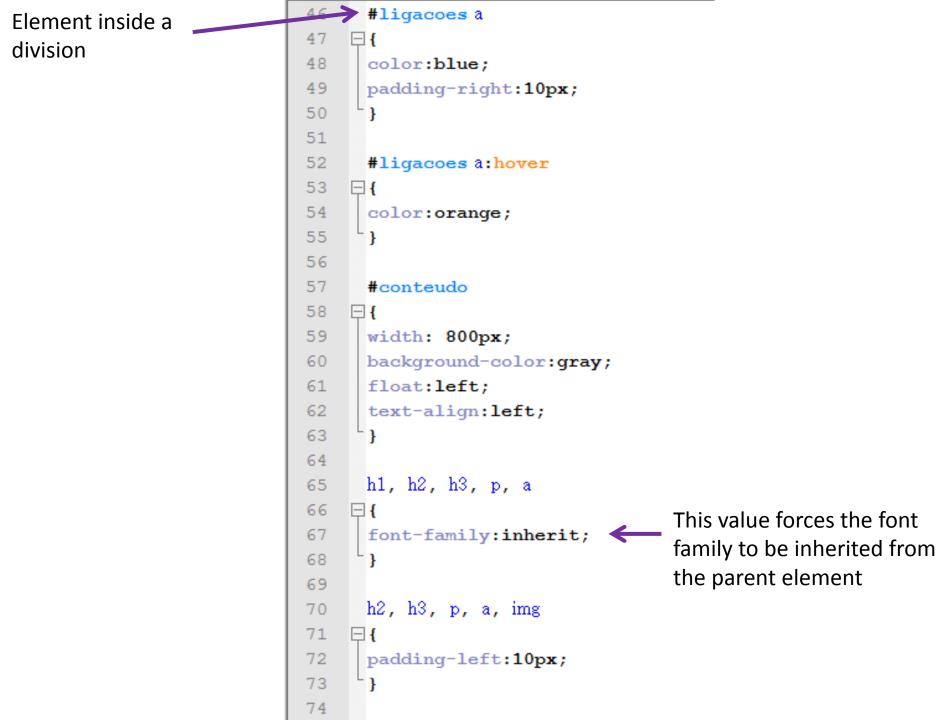


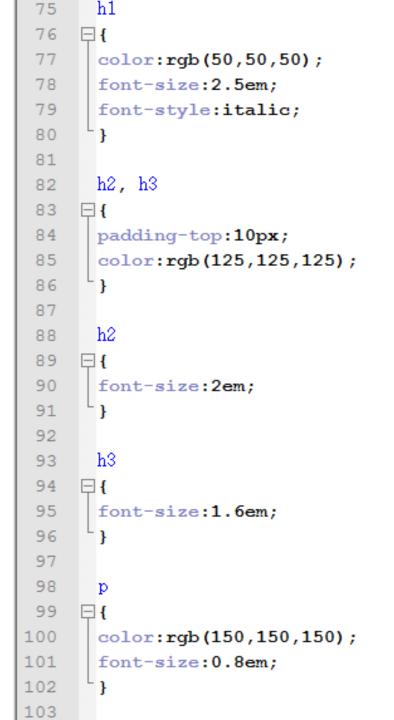
Introduction to CSS

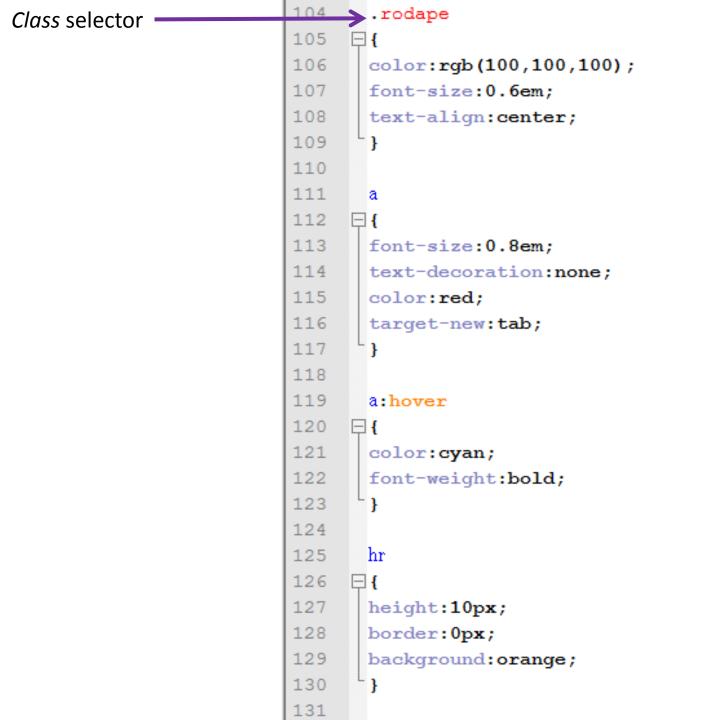
Another interesting way of formatting and organizing the html file is through divisions. To do that we will use the tag *div*. A division corresponds to an area in the document that can be properly formatted.











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133	₽{
134	line-height:2;
135	L }
136	
137	img
138	₽{
139	width:120px;
140	height:120px;
141	L }
4.40	

Introduction to CSS

But this implies minor changes in the html code.

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31		Neste espaço serão colocados os exercícios da UC.										
32		<h2>Outras informações</h2>										
33		Neste espaço serão colocadas outras informações de interesse para a UC.	=									
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Visualizing the *html* file formatted with an external CSS file. In this example all the html elements were formatted.

