

# COMPSCI 111 / 111G

*Mastering Cyberspace:  
An introduction to practical computing*

**CSS**

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# Some additional selectors

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## Pseudo-selectors

- Application of style depends on the viewer of the web page
- Interactive

```
selector:pseudoselector { property: value; }
```

# Mouse position

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## **:active**

- Applied when the user clicks the mouse on an element

```
h1:active
{
    background-color: red;
}
```

## **:hover**

- Applied when the mouse is positioned over an element

```
h1:hover
{
    background-color: red;
}
```

# Hypertext references

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## **:link**

- Applied when a link has not been visited yet
- Always used with the `a` selector

```
a:link
{
    background-color: red;
}
```

## **:visited**

- Applied when a link has been visited
- Always used with the `a` selector

```
a:visited
{
    background-color: red;
}
```

# Font

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`font-family`

`font-size`

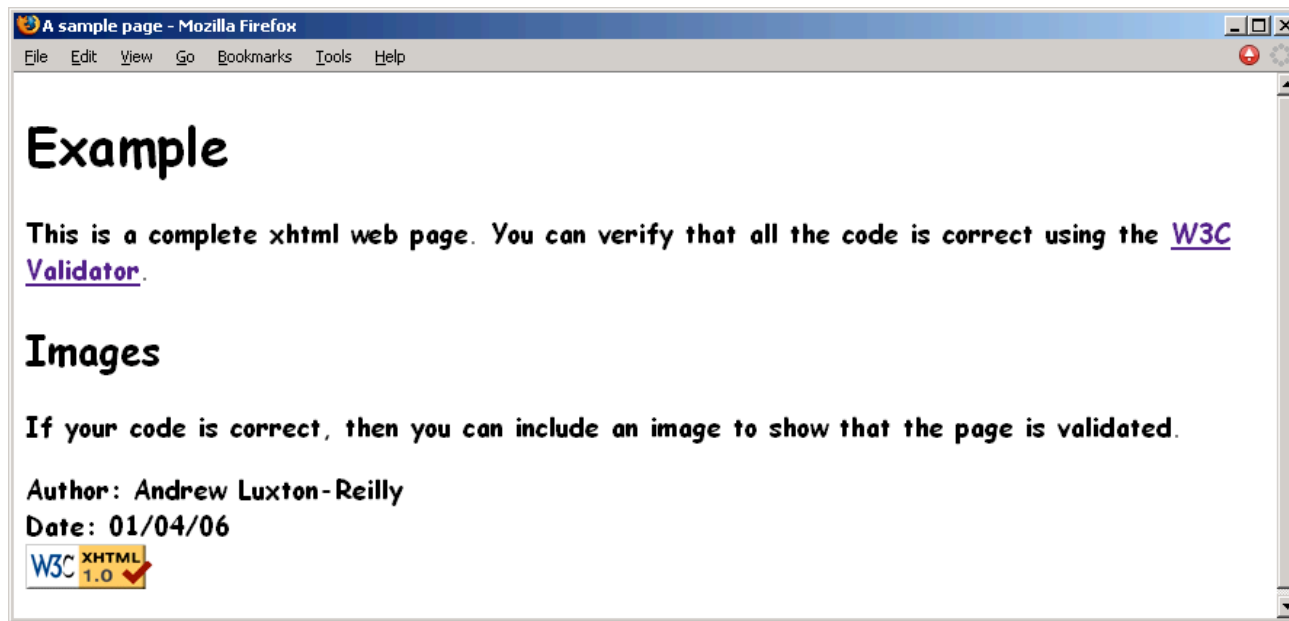
`font-style`

`font-variant`

`font-weight`

# Font example

```
body
{
    font-family: "Comic Sans MS", cursive;
    font-size: large;
    font-style: normal;
    font-variant: normal;
    font-weight: bold;
}
```

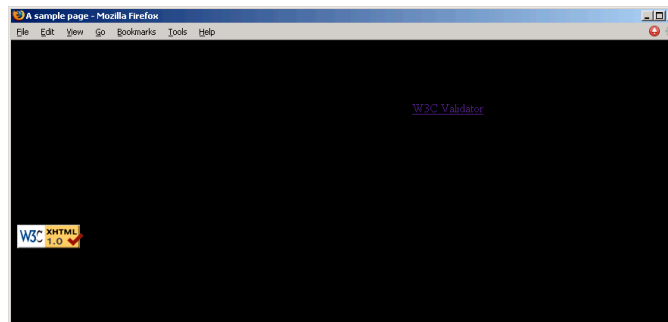


# Background

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## background-color

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



# Text

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`color`

`text-align`

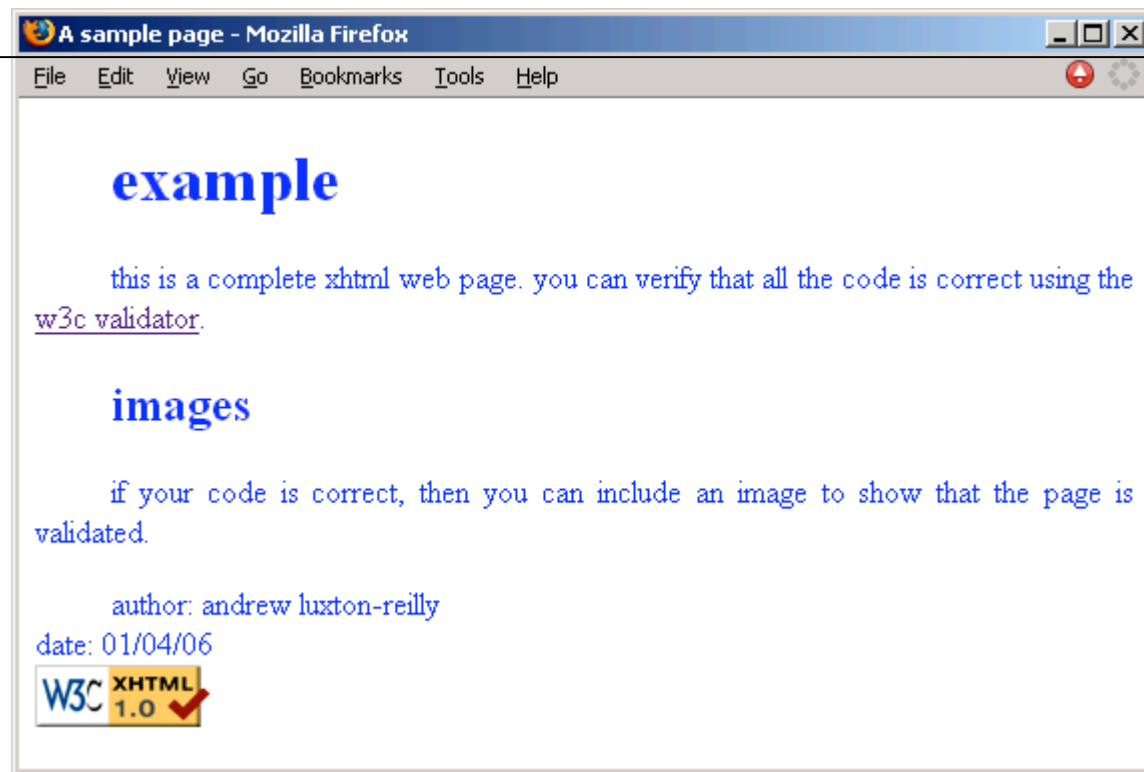
`text-indent`

`text-transform`



# Text example

```
body
{
    color: blue;
    text-align: justify;
    text-indent: 1cm;
    text-transform: lowercase;
}
```



# Borders

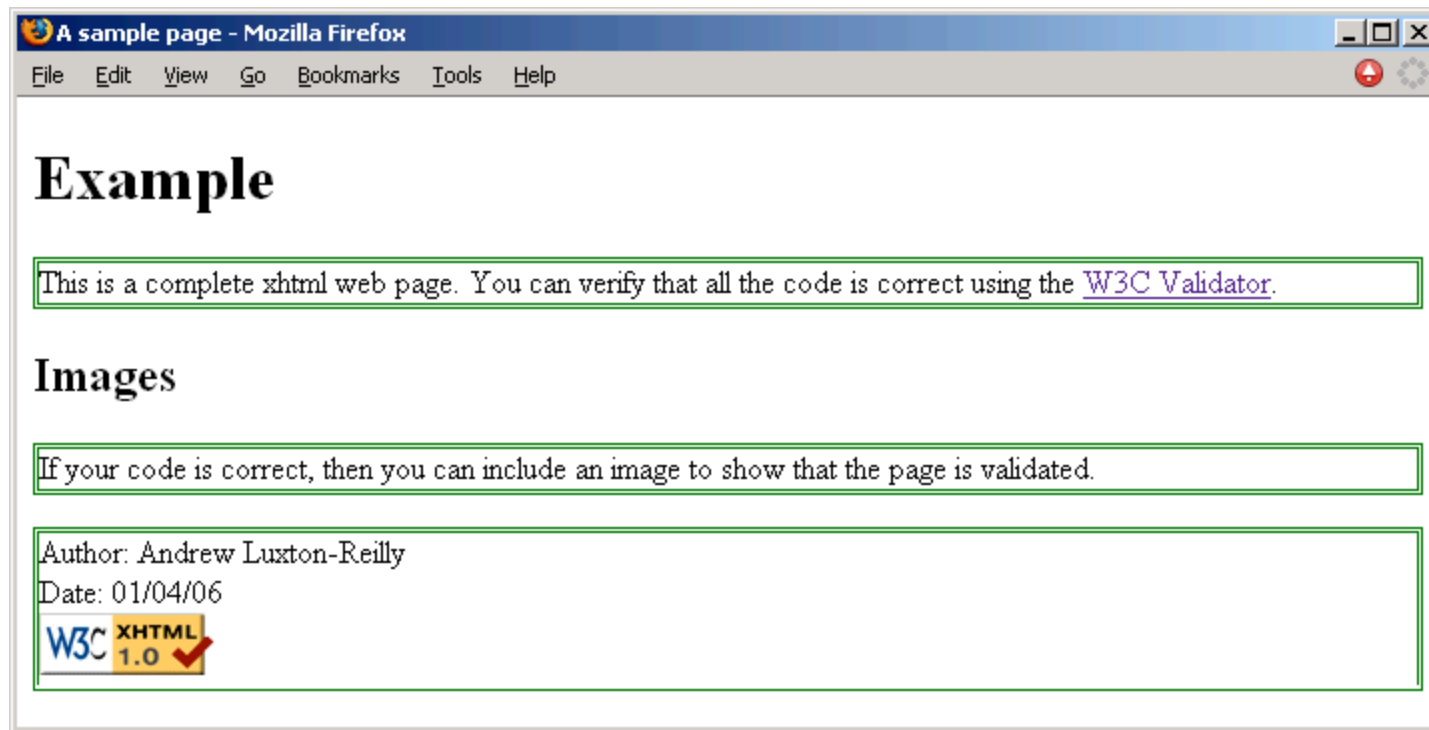
---

`border-color`

`border-style`

`border-width`

```
p
{
    border-color: green;
    border-style: double;
    border-width: medium;
}
```



# Lengths

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## Use a variety of units

- cm
- mm
- pt
- px

# Colours

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## Sixteen names

- aqua
- black
- blue
- fuchsia
- ...

## RGB value

- `rgb(xx, xx, xx)`

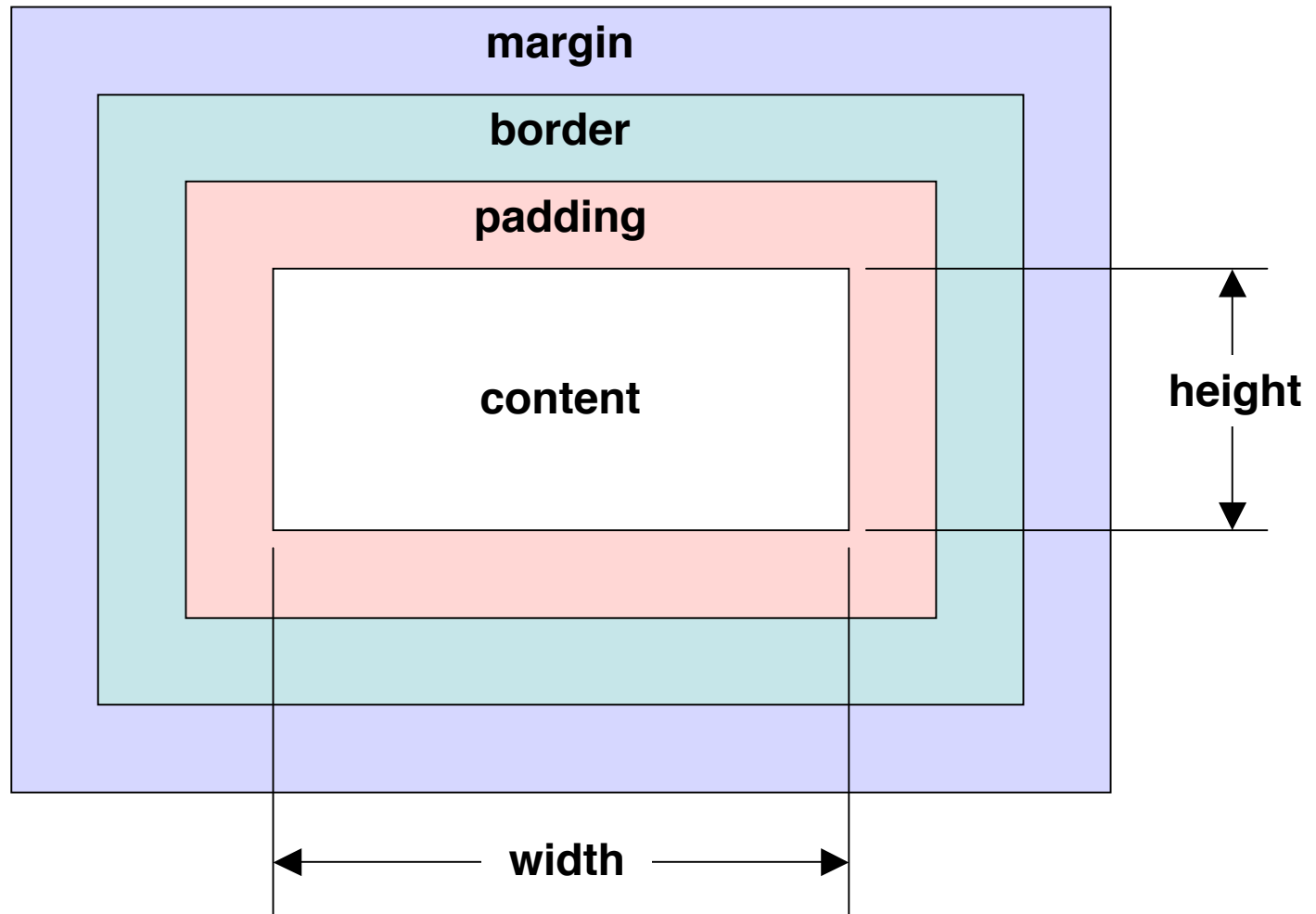
## Hex value

- `#RRGGBB`

# Layout using CSS

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## Box model

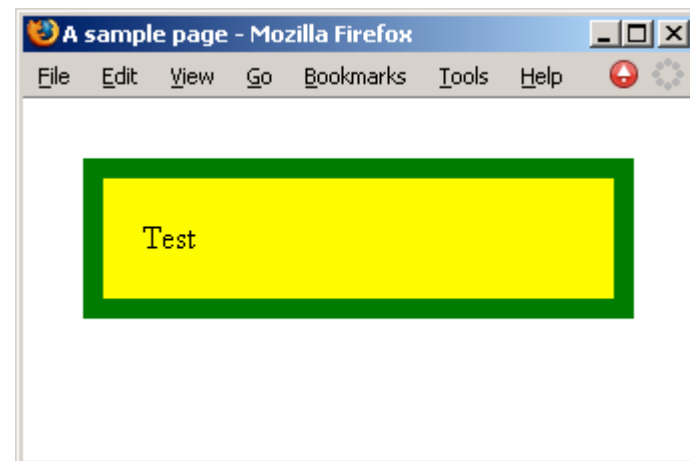


# Box model Example

```
<style>
body{
  padding: 0px;
  margin: 0px;
}
#outerbox
{
  background-color: green;
  padding: 10px;
  margin: 30px;
}

#innerbox
{
  background-color: yellow;
  padding: 20px;
}
</style>
```

```
<div id="outerbox">
<div id="innerbox">
Test
</div>
</div>
```



# Positioning

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**position: static;**

- Normal

**position: relative;**

- Top, left, bottom and right act as offsets from enclosing element

**position: absolute;**

- Top, left, bottom and right with respect to top-left corner of the page

**position: fixed;**

- Top, left, bottom and right with respect to browser window