

CSCI-1102: Introduction to Computing

CSS Color, Font, Text Alignment, Border

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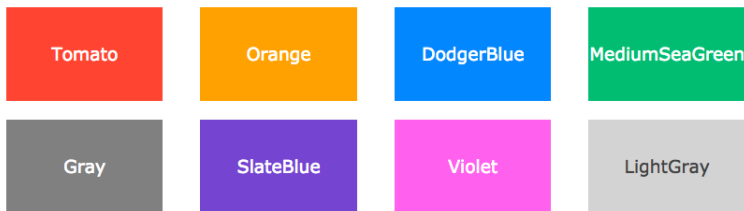
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There are three ways to specify Colors in CSS:

- ▶ A valid **color name** - like “red”
- ▶ An **RGB value** - like “rgb(255, 0, 0)”
- ▶ A **HEX value** - like “#ff0000”

Color Names

- ▶ In HTML, a color can be specified by using a color name:



- ▶ HTML supports 140 standard color names.

RGB Value

- ▶ In HTML, a color can be specified as an RGB value, using this formula: `rgb(red, green, blue)`
- ▶ Each parameter (red, green, and blue) defines the intensity of the color between 0 and 255.
- ▶ For example, `rgb(255, 0, 0)` is displayed as red, because red is set to its highest value (255) and the others are set to 0.
- ▶ To display the color black, all color parameters must be set to 0, like this: `rgb(0, 0, 0)`.
- ▶ To display the color white, all color parameters must be set to 255, like this: `rgb(255, 255, 255)`.

RGB Value

Example

`rgb(255, 0, 0)`

`rgb(0, 0, 255)`

`rgb(60, 179, 113)`

`rgb(238, 130, 238)`

`rgb(255, 165, 0)`

`rgb(106, 90, 205)`

- Pick a color from [Color Picker](#).

HEX Value

- ▶ In HTML, a color can be specified using a hexadecimal value in the form: `#rrggbb`
- ▶ Where rr (red), gg (green) and bb (blue) are hexadecimal values between `00` and `ff` (same as decimal 0-255).
- ▶ For example, `#ff0000` is displayed as red, because red is set to its highest value (`ff`) and the others are set to the lowest value (`00`).

HEX Value

Example

#ff0000

#0000ff

#3cb371

#ee82ee

#ffa500

#6a5acd

- ▶ Pick a color from [Color Picker](#).

Background Color

- ▶ You can set the **background color** for HTML elements using the property: **background-color**

Ermine

Ermine, (*Mustela erminea*), also called stoat, short-tailed weasel, or Bonaparte weasel, northern weasel species in the genus *Mustela*, family Mustelidae. The species is called ermine especially during its winter white colour phase. The animal's pelt was used historically in royal robes in Europe, and the term ermine also refers to the animal's white coat, sold in the fur trade.

```
h1
{
  background-color: DodgerBlue;
  text-align: center;
}
p{
  background-color: Tomato;
  font-size: 20px;
}
body{
  background-color: lightblue;
}
```


Text Color

- ▶ You can set the **text color** for HTML elements using the property: **color**

Ermine

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```
h1
{
  color: rgb(255, 0, 255);
  text-align: center;
}
p{
  color: rgb(0, 153, 204);
  font-size: 20px;
}
```

Border Color

- ▶ You can set the **border color** for HTML elements using the property: **border**

Ermine

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```
h1
{
  color: rgb(255, 0, 255);
  border: 2px solid Tomato;
  text-align: center;
}
p{
  color: rgb(0, 153, 204);
  font-size: 20px;
  border: 2px solid DodgerBlue;
}
```

Text Alignment

- ▶ The **text-align** property is used to set the horizontal alignment of a text.
- ▶ A text can be **left or right** aligned, **centered**.

Example

```
h1 {  
    text-align: center;  
}  
  
h2 {  
    text-align: left;  
}  
  
h3 {  
    text-align: right;  
}
```

Font Size

- ▶ The **font-size** property is used to set the size of the text.

```
p{  
  color: rgb(0, 153, 204);  
  font-size: 20px;  
  border: 2px solid DodgerBlue;  
}
```

Font Family

- ▶ The **font-family** property is used to set the font family of the text.
- ▶ The **font-family** property should hold several font names as a “fallback” system. If the browser does not support the first font, it tries the next font, and so on.

```
p{  
  color: rgb(0, 153, 204);  
  font-size: 20px;  
  border: 2px solid DodgerBlue;  
  font-family: "Times New Roman", Times, serif;  
}
```

- ▶ Note: If the name of a font family is more than one word, it must be in quotation marks, like: “Times New Roman”.

HTML & CSS Demo

Ermine

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Cat Photos

Cat Books



Reference

<https://www.w3schools.com/>