

# Tutorial 1

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The following is to teach you about basics of w3-css.

## Contents Diagram

```
graph LR;
  w3_css-->container;
  w3_css-->tables;
  w3_css-->margins;
  w3_css-->padding;
  w3_css-->borders;
  w3_css-->text;
  w3_css-->rounds;
  w3_css-->colors;
  w3_css-->miscellaneous;
```

## Intro

- Note that every class name starts with w3-, eg w3-teal.

## Texts

### defaults

```
h1 {font-size:64px;}
h2 {font-size:48px;}
h3 {font-size:36px;}
h4 {font-size:24px;}
h5 {font-size:20px;}
h6 {font-size:18px;}
```

and for any text lower classes works the best

```
w3-tiny -> 10px
w3-small -> 12px
w3-medium (Default) -> 15px
w3-large -> 18px
w3-xlarge -> 24px
w3-xxlarge -> 36px
w3-xxlarge -> 48px
w3-jumbo -> 64px
```

### fonts you can use

```
w3-serif  
w3-sans-serif  
w3-monospace  
w3-cursive
```

In case you want to use other fonts [click the link](#) and [this google font api](#)

## Colors

```
graph LR;  
  colors-->Material_design;  
  colors-->FlatUi_design;  
  colors-->WindowsMetroUi_design;  
  colors-->Windows8;  
  colors-->iosColors;  
  colors-->fashionColors;  
  colors-->HighwayColors;  
  colors-->countryStandardColors;  
  colors-->many_more....;
```

There are even **color themes**. You can even use color generator and use it as your own theme.

The major colors we are going to learn are:

```
amber  
aqua  
blue  
light-blue,  
brown  
cyan  
blue-grey  
green  
light-green  
indigo  
khaki  
lime  
orange  
deep-orange  
pink  
purple  
deep-purple  
red  
sand  
teal  
yellow  
white  
black  
grey
```

```
light-grey
dark-grey
pale-red
pale-green
pale-yellow
pale-blue
```

```
graph TD;
  color-->normal;
  color-->hover;
  color-->text;
```

You can use

- w3-color --> background
- w3-text-color --> text color
- w3-border-color ---> border
- w3-hover-color
- w3-hover-text-color
- w3-hover-border-color

## Container

w3-container has 16px left and right padding.

## tables

tables	description
w3-table	Container for an HTML table
w3-striped	Striped table
w3-border	Bordered table
w3-bordered	Bordered lines
w3-centered	Centered table content
w3-hoverable	Hoverable table
w3-table-all	All properties set
w3-ul	used for lists

## margin

margins	Pixels occupied
w3-margin	16px on all sides

<b>margins</b>	<b>Pixels occupied</b>
w3-margin-top	16px on top side
w3-margin-bottom	16px on bottom side
w3-margin-left	16px on left side
w3-margin-right	16px on right side
w3-section	16px on top and bottom

## padding

<b>padding</b>	<b>Pixels occupied</b>
w3-padding	8px top and bottom, 16px left and right
w3-padding-small	4px top and bottom, 8px left and right
w3-padding-large	12px top and bottom, 24px left and right
w3-padding-16	16px top and bottom
w3-padding-24	24px top and bottom
w3-padding-32	32px top and bottom
w3-padding-48	48px top and bottom
w3-padding-64	64px top and bottom

## borders

<b>borders</b>	<b>defines</b>
w3-border	top, right, bottom, left
w3-border-top	top
w3-border-bottom	bottom
w3-border-left	left
w3-border-right	right
w3-border-0	removes all borders
w3-border-color	uses any color
w3-hover-border-color	use any color
w3-bottombar	6px bottom border
w3-topbar	6px top border
w3-leftbar	6px left border

<b>borders</b>	<b>defines</b>
w3-rightbar	6px right border

note you can use style="border-style: solid;border-width:30px 15px 10px 5px;" for 25px top, 10px right, 4px bottom and 35px left, to change border size and don't use w3-border in that case

e.g.

```
<p class="w3-border-red" style="border-style: solid;border-width:30px 15px 10px 5px;">Text</p>
```

## rounds

These can be used with either divs or images

<b>class</b>	<b>border pixel size</b>
w3-round	4px
w3-round-small	2px
w3-round-medium	4px
w3-round-large	8px
w3-round-xlarge	16px
w3-round-xxlarge	32px
w3-circle	100% round

## miscellaneous

<b>class</b>	<b>define</b>
w3-panel	16px top and bottom margin and a 16px left and right padding to any html element
w3-card and w3-card-2	2px bordered shadow div
w3-card-4	4px bordered shadow div
w3-left-align	for left text align
w3-right-align	for right text align
w3-center	for center text align
w3-wide	spacing between letters increases
w3-show-inline-block	for making an inline block

class	define
w3-bar and w3-bar-item	to arrange in horizontal blocks
w3-bar-block and w3-bar-item	for vertical bar
w3-block	width:100%
w3-clear	to clear float left or right
w3-left and w3-right	for left and right floating element
w3-content	centers whole page and width of 986px
w3-auto	centers whole page and width of 1140px

and normally use

```
<i> for italic </i>  
<b> for bold </b>  
<h1 style="text-shadow:1px 1px 0 #444"> for text shadow </h1>
```