

CSS WORKSHOP

The Basic of Cascading Style Sheets



Rules

- › Man are curious by nature, when he face with things he yet understand, he should asketh.
- › Man who laugh at another's question, implying he who laugh fail to understand he too, once do not understand it.
- › Every man that hath attained to the use of reason, is supposed to know, he ought not to do to another, what he would not have done to himselfe

What is CSS?



shop ACCESSORIES

Item: Earing

Material: Diamond & gold

Price: RM 350

This earing is made from Italy. It is mainly designed by diamonds. Hence, the price for it will be a bit expensive but it is quite reasonable as by just paying RM 350, you will be able to obtain the product already.) Click [here](#) for more designs.

[Order](#)

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style.css

```
font-size: 20px;
```

Inline Style Sheet



```
<p style="font-size:20px;"> WebLaunch 2018 </p>
```

property value

style attribute in HTML

Types of CSS

- › Inline Style
- › Embedded Style
- › External Style

Embedded Style Sheet



```
<!DOCTYPE html>
<html>
<head>
    <title>Shop Happily</title>
    <style type="text/css">
        p {
            font-style: italic;
        }

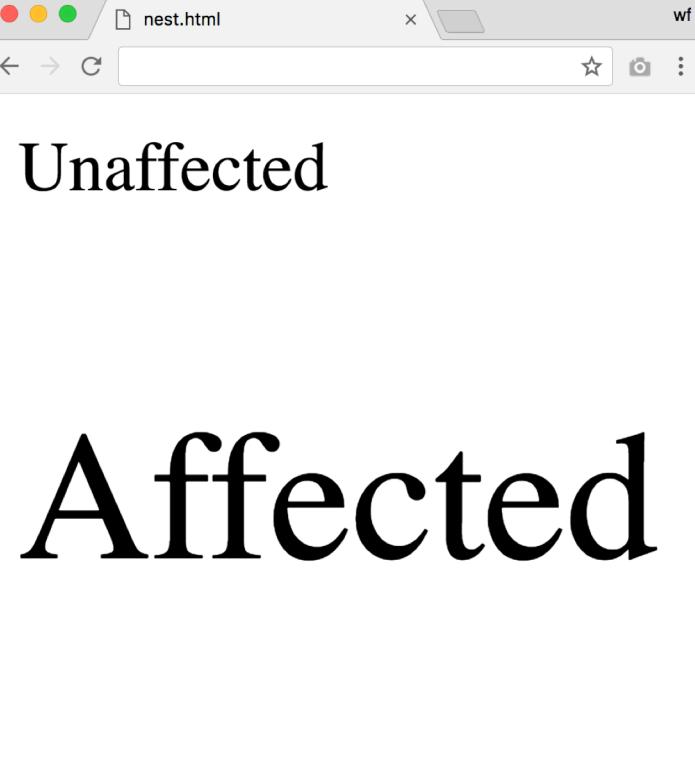
        h1 {
            font-size: 42px;
        }
    </style>
</head>
```

- › HTML <style> element
- › Placed in <head> section
- › Requires selector
- › Only applies to a single HTML page document

CSS format



```
<head>
  <style type="text/css">
    div>p {
      font-size: 42px;
    }
  </style>
</head>
<body>
  <p> Unaffected </p>
  <div>
    <p> Affected </p>
  </div>
</body>
```



Selectors

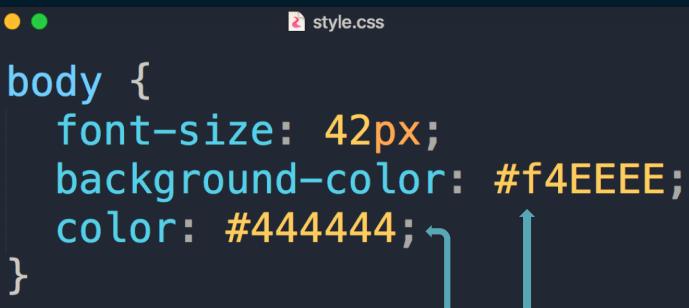
- › div, p <p> tags and <div> tags
 - › div > p <p> one level deep in <div>
 - › div * All tags inside <div>
-
- › a:link Link in normal state
 - › a:hover Link with mouse over it
 - › a:visited Link in visited state

External Style Sheet



```
accessories.html
<head>
  <title>Shop Happily</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>

order.html
<head>
  <title>Order Form</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
```

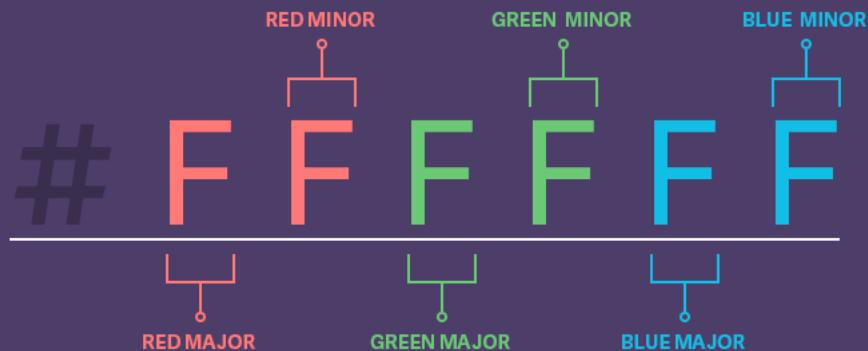


```
style.css
body {
  font-size: 42px;
  background-color: #f4EEEE;
  color: #444444;
}
```

What are these? 🤔

- › Separate HTML & CSS
- › Placed in `<head>` section
- › HTML `<link>` element to associate with .css file
- › Requires selector
- › Applies to multiple HTML page documents

Hexadecimal Colors



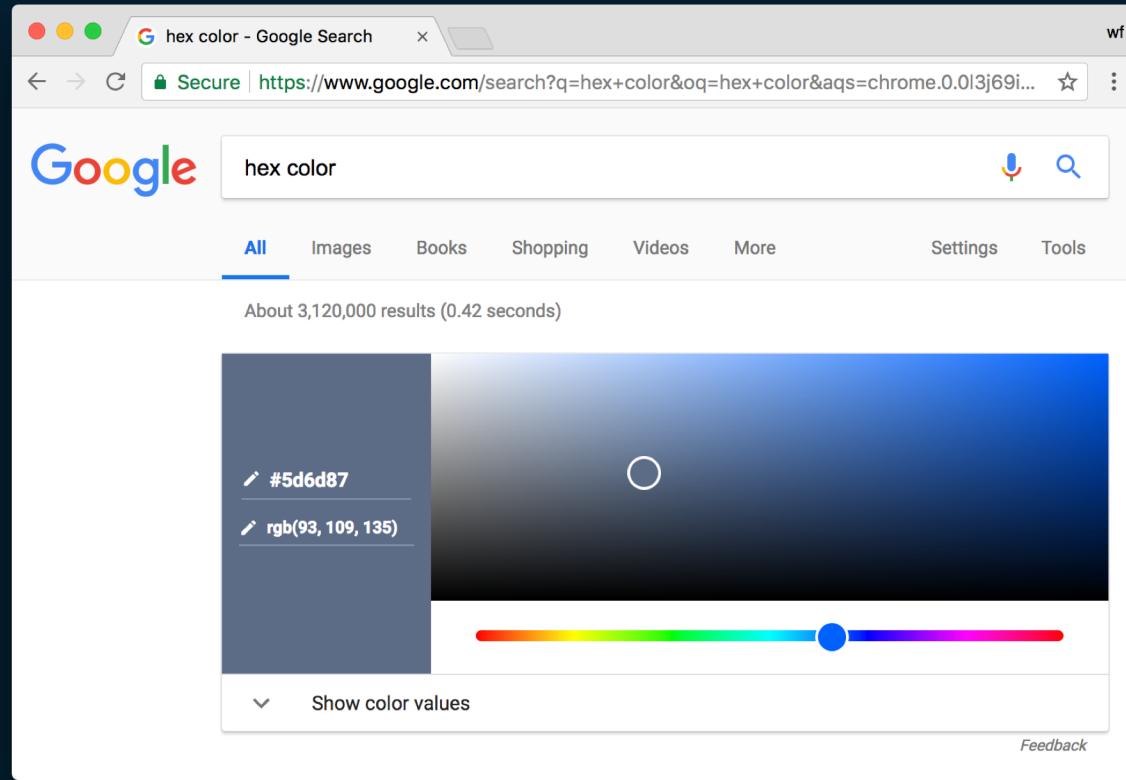
Comparing Hex with RGB

Hexadecimals counts from 0 ~ 9 then A ~ F

- › $\text{RGB}(255,0,0) = \text{\#FF0000}$ Red
- › $\text{RGB}(0,255,0) = \text{\#00FF00}$ Green
- › $\text{RGB}(0,0,255) = \text{\#0000FF}$ Blue

See the pattern?

Google 'hex color'



Quiz

What is the color of the output?

```
quiz.html
<head>
  <link rel="stylesheet" type="text/css" href="quiz.css">
  <style> p {color: #00FF00;} </style>
</head>
<body>
  <p style="color: #0000FF">What color?</p>
</body>
```

```
quiz.css
p {
  color: #FF0000;
}
```

.class

- › Can use same class on multiple elements.
- › Can use multiple classes on the same element.
- › To consistently style different elements.

#id

- › Can only be used on one element.
- › Each element can only have one ID.
- › To style single unique element.

Class & ID

```
index.html
<style>
  #logo {
    margin: 20px;
  }
  .item-container {
    padding: 40px;
  }
</style>
</img>
<div class="item-container"></div>
<div class="item-container"></div>
<div class="item-container"></div>
```

COMMONLY USED CSS



Text and fonts

- › font-size
- › font-weight
- › font-family
- › text-align
- › text-decoration

Visual Formatting

- › width
- › height
- › display

The Box Model

- › padding
- › margin
- › border
- › border-radius

Colors and Background

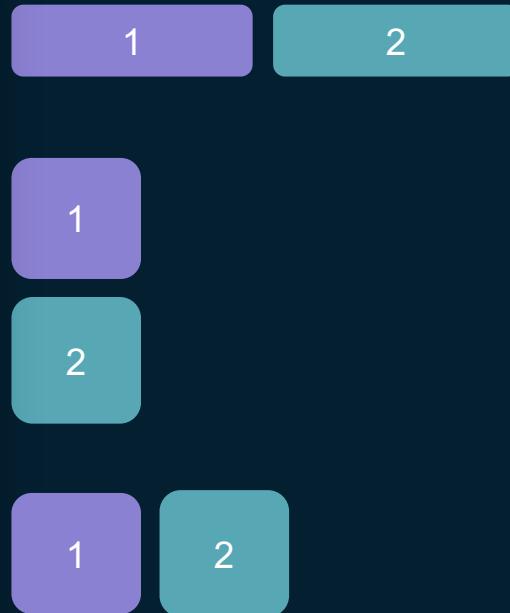
- › background-color
- › color
- › box-shadow

Display property

```
style.css
.shapes-inline {
  display: inline;
}

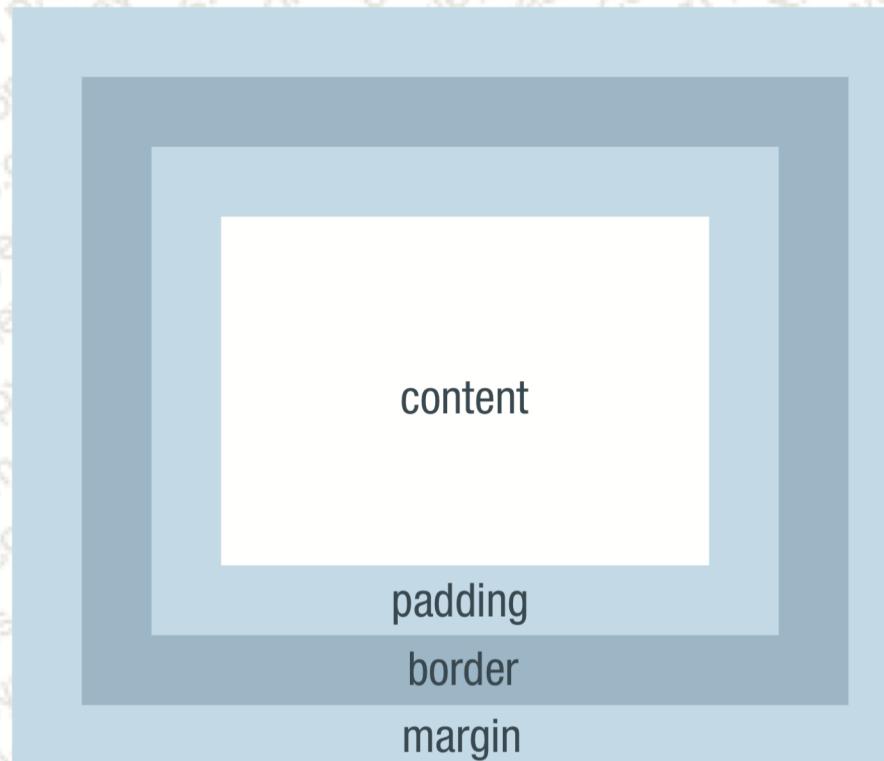
.shapes-block {
  display: block;
}

.shapes-inline-block {
  display: inline-block;
}
```



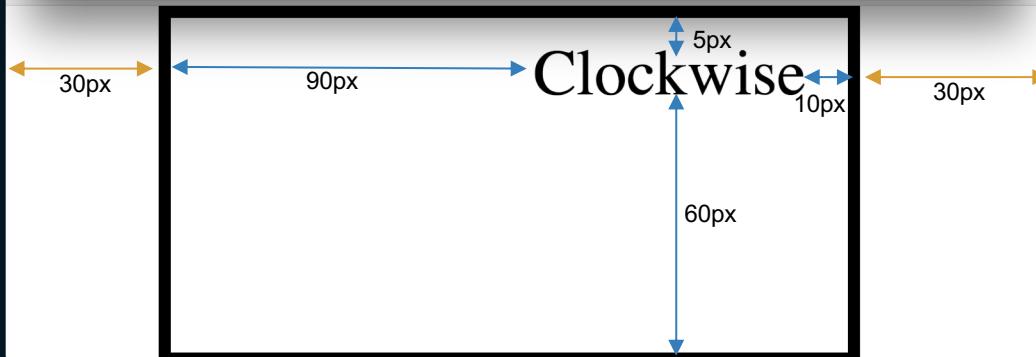
Margin & Padding

Box Model



Margin & Padding values

```
padding.html
<head>
  <style>
    a {
      padding: 5px 10px 60px 90px;
      /* top right bottom left */
      border: 3px solid #000;
      /* width style color */
      margin: 0px 30px;
      /* top/bottom left/right */
    }
  </style>
</head>
<body>
  <a>Clockwise</a>
</body>
```

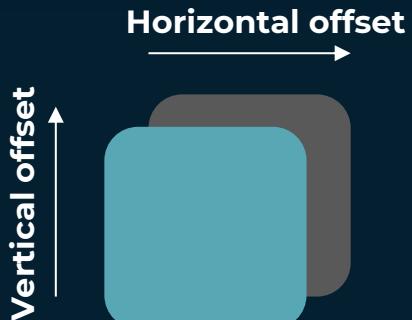


Box Shadow

values



```
shadow.css
.box {
  box-shadow: 20px 20px 40px 10px lightgrey;
  /* hori vert blur spread color */
}
```



Demonstration