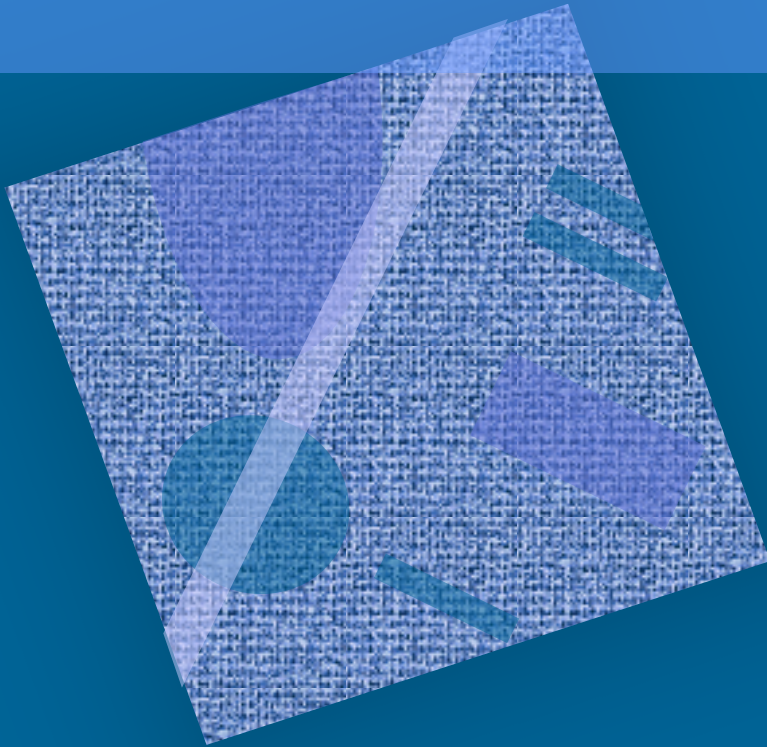


# COMS 359: Interactive Media



# Agenda

- Review
- CSS for Lists, Color & Images
- Preview

# Form Design – CSS

fieldset

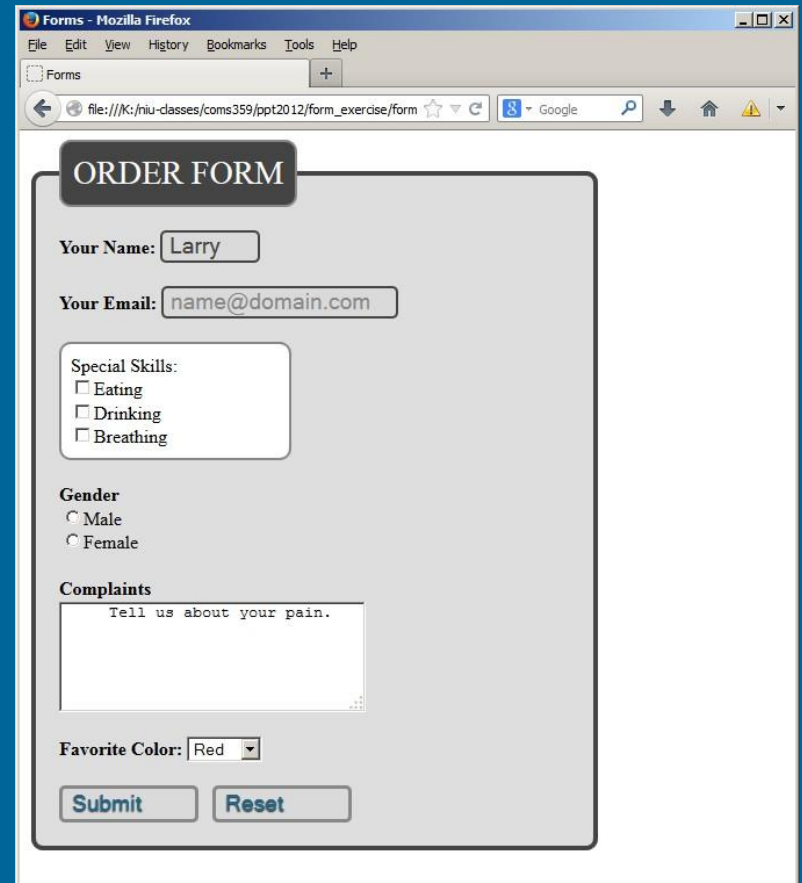
```
{width:440px;  
background-color:dedede;  
border:4px solid #444444;  
border-radius:10px;  
padding:20px;  
text-align:left;}
```

legend

```
{background-color:#444444;  
color:#fafafa;  
border:2px solid #888888;  
border-radius:10px;  
padding:10px 10px;  
text-align:left;  
text-transform:uppercase;  
font-size:28px;}
```

**.skills**

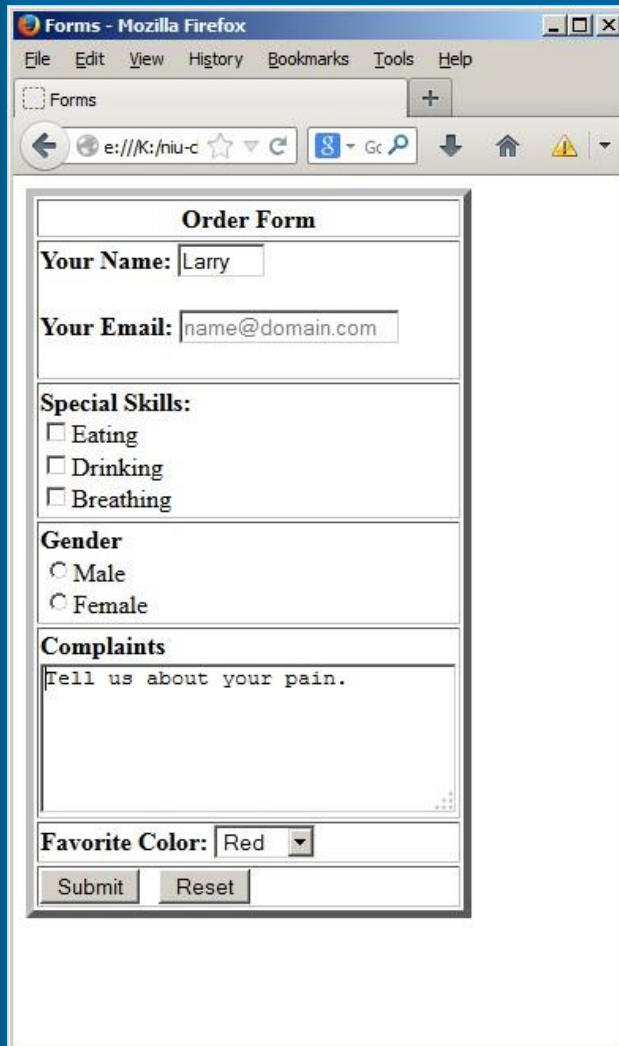
```
{background-color:#ffffff;  
border:2px solid #888888;  
border-radius:10px;  
width:180px;  
padding:8px;}
```



The screenshot shows a Mozilla Firefox browser window displaying a web form titled "ORDER FORM". The form is styled with a light gray background and a dark border. It contains the following elements:

- Form Title:** "ORDER FORM" in a dark rounded rectangle.
- Your Name:** A text input field containing "Larry".
- Your Email:** A text input field containing "name@domain.com".
- Special Skills:** A section with three checkboxes: "Eating", "Drinking", and "Breathing".
- Gender:** Radio buttons for "Male" and "Female".
- Complaints:** A text area with the placeholder text "Tell us about your pain."
- Favorite Color:** A dropdown menu currently showing "Red".
- Buttons:** "Submit" and "Reset" buttons at the bottom.

# Formatting with <table>



Forms - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Forms

e:///K:/niu-c

**Order Form**

Your Name:

Your Email:

**Special Skills:**

Eating

Drinking

Breathing

**Gender**

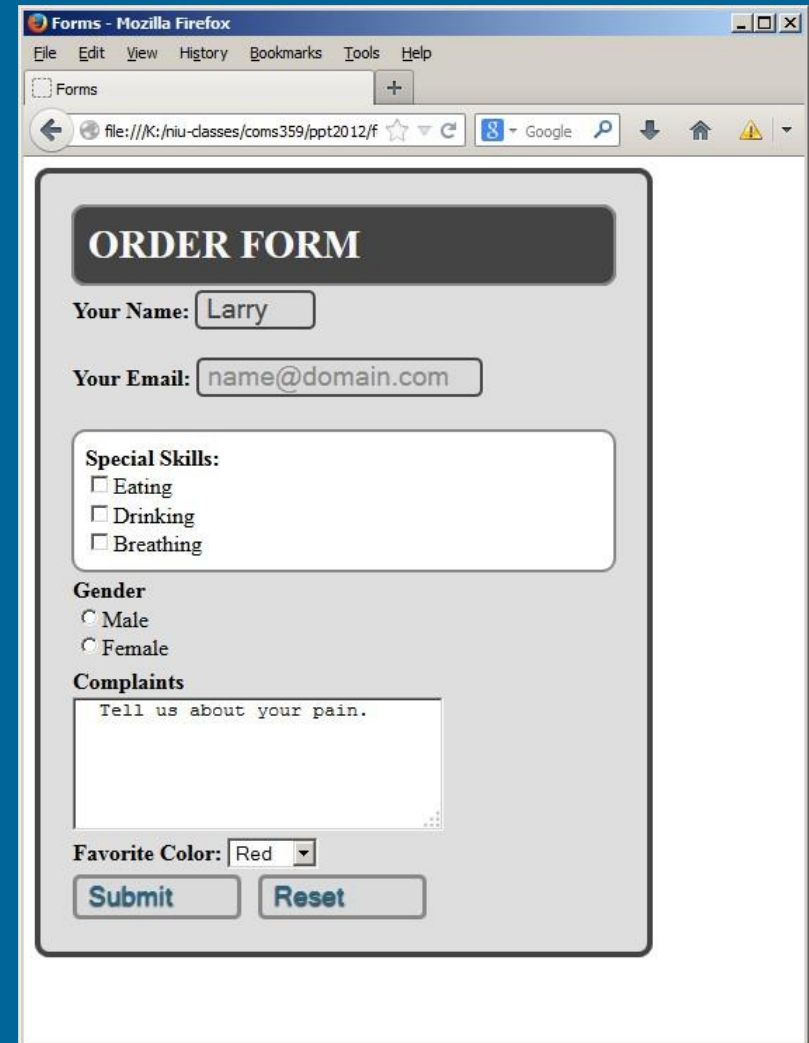
Male

Female

**Complaints**

Tell us about your pain.

Favorite Color:



Forms - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Forms

file:///K:/niu-classes/coms359/ppt2012/f

Google

**ORDER FORM**

Your Name:

Your Email:

**Special Skills:**

Eating

Drinking

Breathing

**Gender**

Male

Female

**Complaints**

Tell us about your pain.

Favorite Color:



# Practice Exercise

Forms - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Forms

file:///C:/1-DavidStuff/niu-classes/coms359/ppt2012/form\_exercise/form\_exer

## Order Form

Full Name:  Date of Birth:

Street Address:  Apt:

City:  State:  Zip Code:

Phone:  Email:

**Requested Services:**

- Steal My Identity
- Sell My Data to Others
- Spy on My Activities

**Comments:**

Please tell us how you found out about our secret organization

<div class="form">

<div class="header">

<div class="userdata">

<div class="email">

<div class="order">

<div class="submit">

form\_exercise.html

```
<html>
  <head>
    <title>Forms</title>
    <link rel="stylesheet" href="formstyle.css" type="text/css">
  </head>
  <body>
    <div class="form">
      <div class="header"><b>Order Form</b></div>

      <form action="http://www.its.niu.edu/its/scripts/mailform.asp" method="post">
        <input type="hidden" name="mf_to" value="email@niu.edu">

        <div class="userdata">
          <b>Full Name: </b>
          <input type="text" name="username" required
            size="25" placeholder="your name" pattern="[a-zA-Z]+"> &nbsp; &nbsp;
          <b>Date of Birth: </b>
          <input type="date" name="date of birth" required placeholder="dd/mm/yyyy" size="10" maxlength="10"
            pattern="^(0[1-9]|1[012])[- /.](0[1-9]|[12][0-9]|3[01])[- /.](19|20)\d\d$"><br><br>
          <b>Street Address: </b>
          <input type="text" name="address" required size="37"
            size="15" placeholder="house number and street name"> &nbsp; &nbsp;
          <b>Apt: </b>
          <input type="text" name="apartment" required size="3" placeholder="#"><br><br>
          <b>City: </b>
          <input type="text" name="city" required size="15"
            size="15" placeholder="your city"> &nbsp; &nbsp;
          <b>State: </b>
          <select name="state" size="1">
            <option value="empty"> </option>
            <option value="Illinois">Illinois</option>
            <option value="Iowa">Iowa</option>
            <option value="Indiana">Indiana</option>
            <option value="Michigan">Michigan</option>
            <option value="Wisconsin">Wisconsin</option>
          </select> &nbsp; &nbsp;
          <b>Zip Code: </b>
          <input type="text" name="zip code" required placeholder="88888" size="5" maxlength="5"
            pattern="^\d{5}(-\d{4})?$"><br><br>
        </div>
      </form>
    </div>
  </body>
</html>
```





```
formstyle.css
/* style sheet for form exercise */
body
{background-color:#555555;}

.header
{background-color:3366aa;
padding:20px;
margin:0px;
font-size:40px;
color:#ffffff;
text-align:center;}

.form
{margin:50px;
background-color:#ffffff;
width:600px;
padding:10px;}

.userdata
{background-color:#ededed;
padding:20px;
margin:0px;}

.email
{background-color:#bfbfbf;
padding:20px;
margin:0px;}

.order
{background-color:#ededed;
padding:20px;
margin:0px;}

.submit
{background-color:#bfbfbf;
padding-top:0px;
padding-bottom:10px;
padding-left:20px;
padding-right:20px;
margin:0px;}
```

CSS document



# CSS for Lists

- list-style-type

<ul>

none

● disc (default)

○ circle

■ square

<ol>

1 2 3 decimal (default)

01 02 03 decimal-leading-zero

a b c lower-alpha

A B C upper-alpha

i ii iii lower-roman

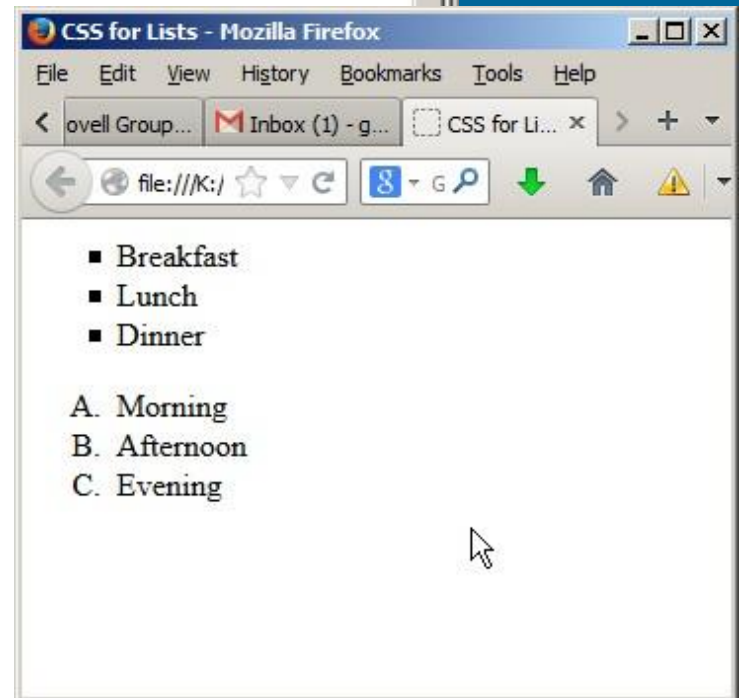
I II III upper-roman

- Image bullet point

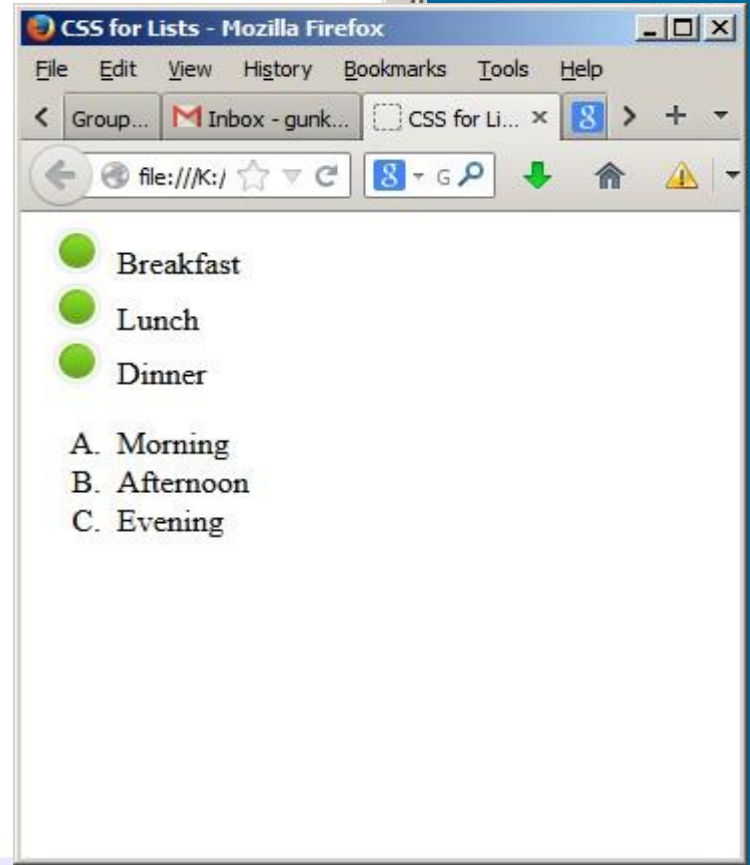
- list-style-image:url("image.jpg")

## Exercise #2

```
1 <html>
2   <head>
3     <title>CSS for Lists</title>
4
5     <style type="text/css">
6       ul {list-style-type:square;}
7
8       ol {list-style-type:upper-alpha;}
9     </style>
10
11   </head>
12 <body>
13
14 <ul>
15   <li>Breakfast</li>
16   <li>Lunch</li>
17   <li>Dinner</li>
18 </ul>
19
20 <ol>
21   <li>Morning</li>
22   <li>Afternoon</li>
23   <li>Evening</li>
24 </ol>
25
26 </body>
27 </html>
28
```



```
1 <html>
2   <head>
3     <title>CSS for Lists</title>
4
5     <style type="text/css">
6       ul {list-style-image:url("greendot.png");}
7
8       ol {list-style-type:upper-alpha;}
9     </style>
10
11  </head>
12  <body>
13
14  <ul>
15    <li>Breakfast</li>
16    <li>Lunch</li>
17    <li>Dinner</li>
18  </ul>
19
20  <ol>
21    <li>Morning</li>
22    <li>Afternoon</li>
23    <li>Evening</li>
24  </ol>
25
26  </body>
27  </html>
28
```



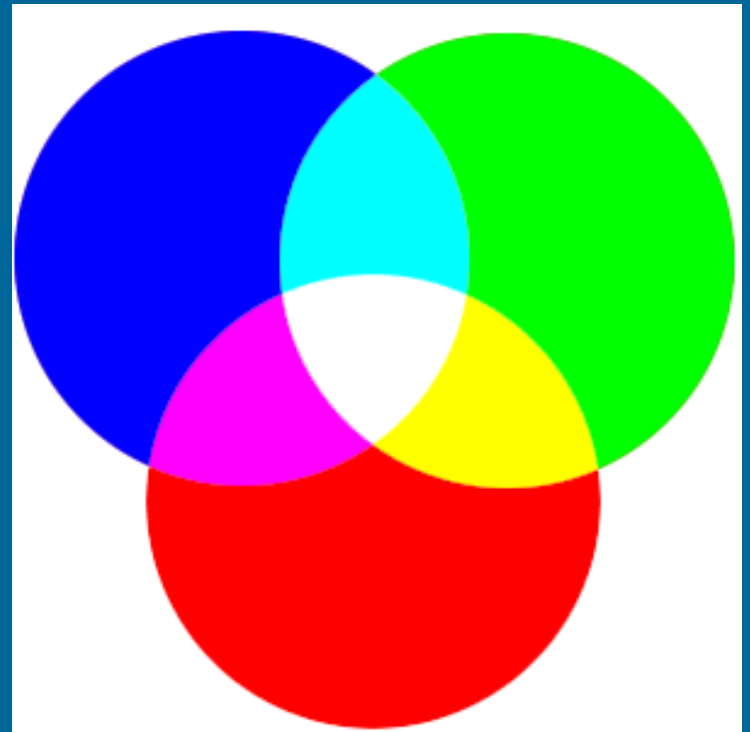


# CSS for color

- Introduction

In digital media, color is produced by specifying varying intensities of the three primary colors:

**Red, Green & Blue**



# CSS for color

- Four methods for designating color

1. Hexidecimal – #66cdaa

Range = 00 to ff

2. RGB values – rgb(102,205,170)

Range = 0 to 255

3. Color names – Aquamarine

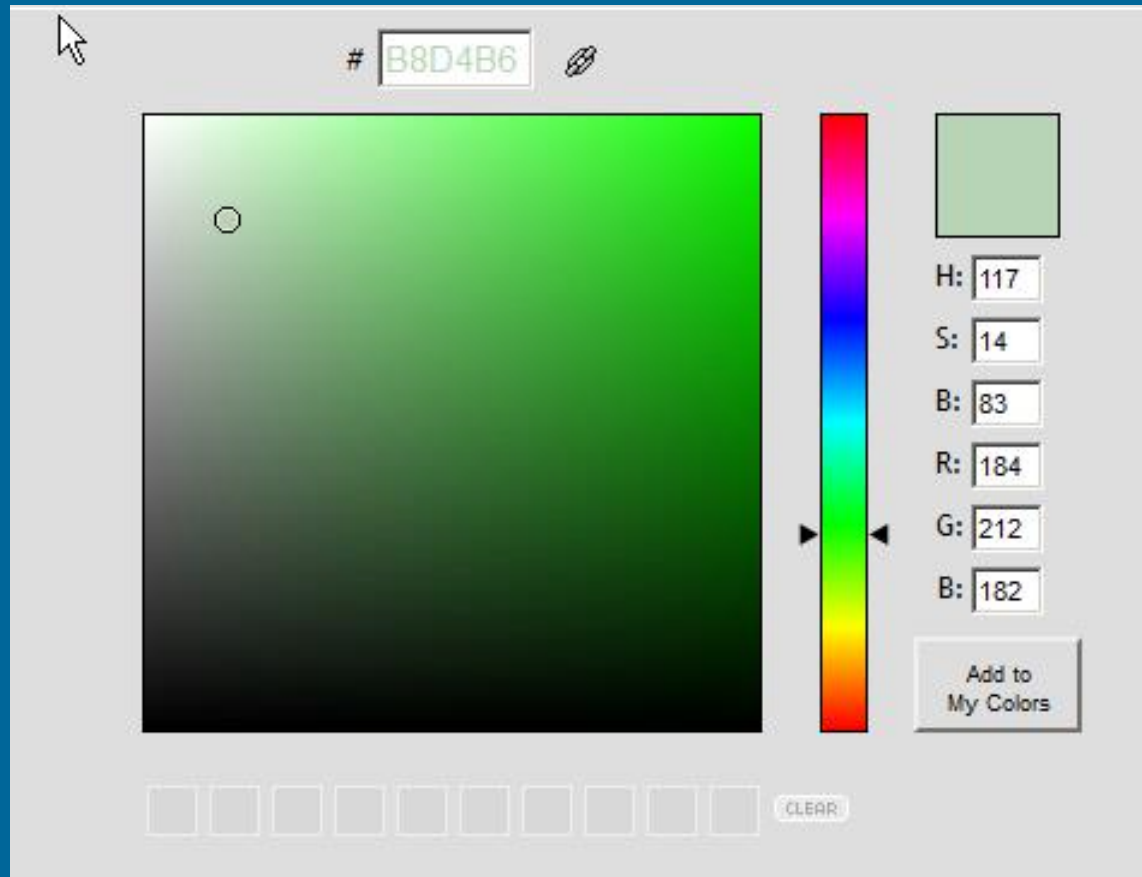
Range = 147 options

4. HSB – Hue, Saturation, Brightness

Hue = 0 to 360°

S&B = 0 to 100%

# CSS for color



<http://www.colorpicker.com/>


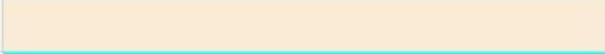



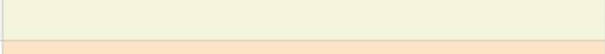






# CSS for color

## Sorted by Color Name

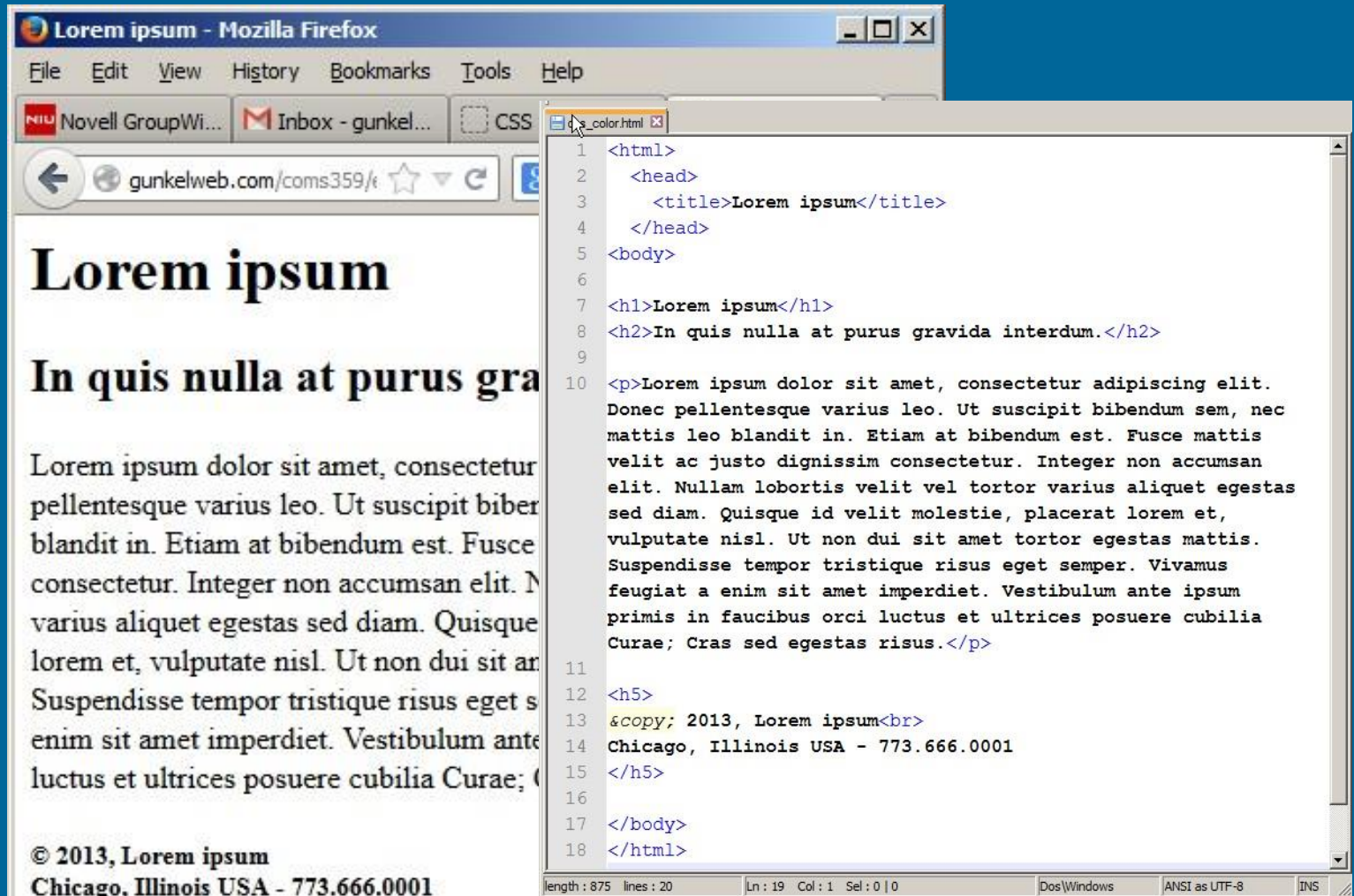
Colors sorted by Hex values

Click on a color name (or a hex value) to view the color as the background-color along with different text colors:

Color Name	HEX	Color	Shades	Mix
<a href="#">AliceBlue</a>	<a href="#">#F0F8FF</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">AntiqueWhite</a>	<a href="#">#FAEBD7</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Aqua</a>	<a href="#">#00FFFF</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Aquamarine</a>	<a href="#">#7FFFD4</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Azure</a>	<a href="#">#F0FFFF</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Beige</a>	<a href="#">#F5F5DC</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Bisque</a>	<a href="#">#FFE4C4</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Black</a>	<a href="#">#000000</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">BlanchedAlmond</a>	<a href="#">#FFEBCD</a>		<a href="#">Shades</a>	<a href="#">Mix</a>
<a href="#">Blue</a>	<a href="#">#0000FF</a>		<a href="#">Shades</a>	<a href="#">Mix</a>

[http://www.w3schools.com/cssref/css\\_colornames.asp](http://www.w3schools.com/cssref/css_colornames.asp)

[http://gunkelweb.com/coms359/exercise/css\\_color.html](http://gunkelweb.com/coms359/exercise/css_color.html)



The image shows a Mozilla Firefox browser window displaying a web page. The page content includes a large heading "Lorem ipsum", a sub-heading "In quis nulla at purus gra", and a paragraph of Lorem ipsum text. At the bottom, there is a copyright notice: "© 2013, Lorem ipsum Chicago, Illinois USA - 773.666.0001".

Overlaid on the right side of the browser window is a code editor window showing the HTML source code for the page. The code is as follows:

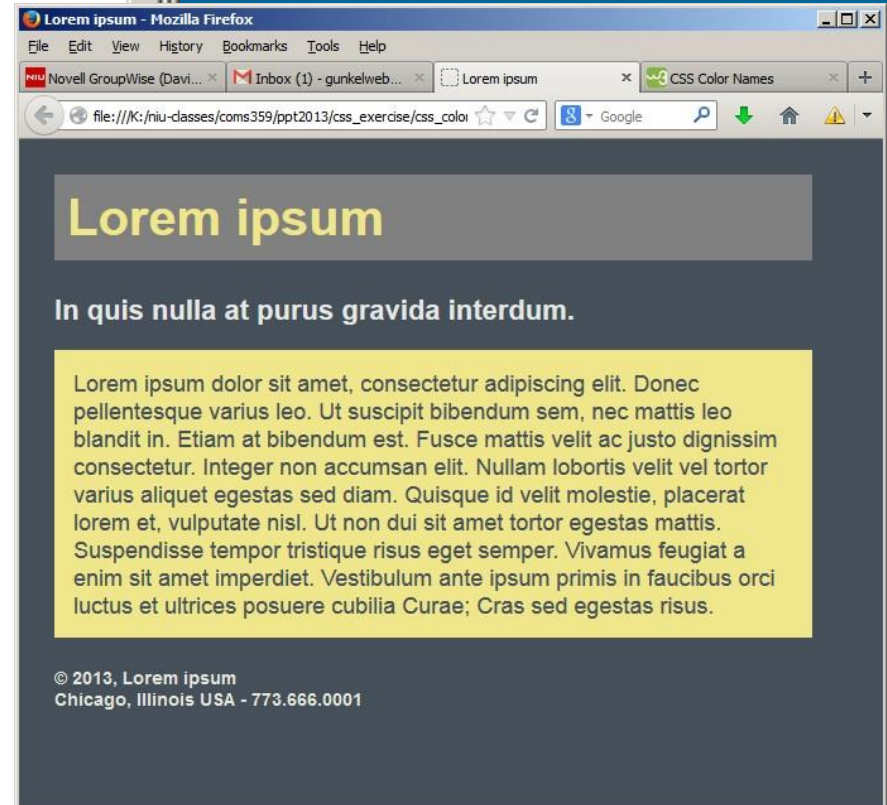
```
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4   </head>
5 <body>
6
7 <h1>Lorem ipsum</h1>
8 <h2>In quis nulla at purus gravida interdum.</h2>
9
10 <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.
    Donec pellentesque varius leo. Ut suscipit bibendum sem, nec
    mattis leo blandit in. Etiam at bibendum est. Fusce mattis
    velit ac justo dignissim consectetur. Integer non accumsan
    elit. Nullam lobortis velit vel tortor varius aliquet egestas
    sed diam. Quisque id velit molestie, placerat lorem et,
    vulputate nisl. Ut non dui sit amet tortor egestas mattis.
    Suspendisse tempor tristique risus eget semper. Vivamus
    feugiat a enim sit amet imperdiet. Vestibulum ante ipsum
    primis in faucibus orci luctus et ultrices posuere cubilia
    Curae; Cras sed egestas risus.</p>
11
12 <h5>
13   &copy; 2013, Lorem ipsum<br>
14   Chicago, Illinois USA - 773.666.0001
15 </h5>
16
17 </body>
18 </html>
```

The code editor window also shows the status bar at the bottom: "length: 875 lines: 20 Ln: 19 Col: 1 Sel: 0 | 0 Dos/Windows ANSI as UTF-8 INS".

Exercise #3



```
css_color.html new 4 x
1 body
2   {width: 600px;
3     padding: 20px;
4     font-family: arial;
5     background-color:
6       rgb(070,080,090);}
7
8 h1
9   {font-size: 40px;
10    padding: 10px;
11    color: khaki;
12    background-color: grey;}
13
14 h2 {font-size: 22px;
15     color: hsl(72, 5%, 91%)}
16
17 h5 {font-size: 14px;
18     color: #E6E8DC}
19
20 p {font-size: 18px;
21    padding: 15px;
22    color: #46505A;
23    background-color: #F0E68C;}
24
Ln: 25 Col: 8 Sel: 0 | 0 Dos\Windows ANSI as UTF-8 INS
```

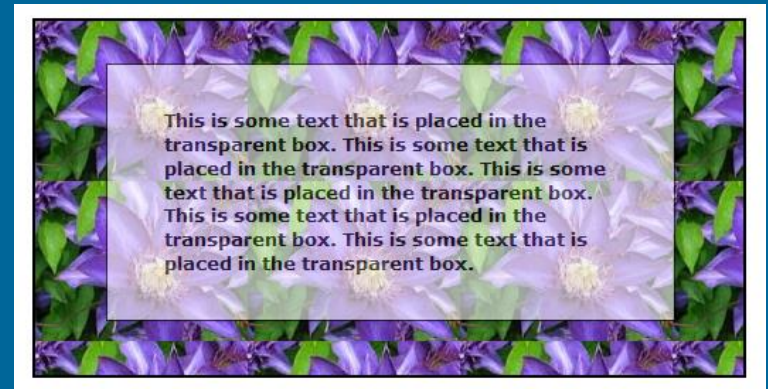


# Exercise #3



# CSS for color

- CSS3 – Opacity or Alpha Value
  - Specify the opacity/transparency of an element
  - Values = 0.0 to 1.0
    - 0.0 = 0% opacity
    - 0.5 = 50% opacity
    - 1.0 = 100% opacity
  - Syntax



Application Example

- rgba `color: rgba(100,120,120, 0.5)`

- hsla `color: hsla(220,50%,80%, 0.5)`

# CSS for Images

- Size
  - width & height
- Box properties
  - border-style | border-width | border-color
  - border-radius:15px
  - margin:10px | padding:4px
- Alignment
  - float:left / float:right
  - Center: display:block; margin:auto



1. Save the HTML file
2. Save a copy of the image



```
css_image.html x imagestyle.css x
1 <html>
2 <head>
3 <title>Lorem ipsum</title>
4 <link href="imagestyle.css" type="text/css" rel="stylesheet">
5 </head>
6 <body>
7
8 <h1>Lorem ipsum</h1>
9 <h2>In quis nulla at purus gravida interdum.</h2>
10
11 
12
13 <div class="content">
14 <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec
15 pellentesque varius leo. Ut suscipit bibendum sem, nec mattis leo blandi
16 in. Etiam at bibendum est. Fusce mattis velit ac justo dignissim
17 consectetur. Integer non accumsan elit. Nullam lobortis velit vel tortor
18 varius aliquet egestas sed diam. Quisque id velit molestie, placerat lor
19 et, vulputate nisl. Ut non dui sit amet tortor egestas mattis. Suspendisse
20 tempor tristique risus eget semper. Vivamus feugiat a enim sit amet
21 imperdiet. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices
22 posuere cubilia Curae; Cras sed egestas risus.</p>
23
24 <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec
25 pellentesque varius leo. Ut suscipit bibendum sem, nec mattis leo blandit
26 in. Etiam at bibendum est. Fusce mattis velit ac justo dignissim
27 consectetur. Integer non accumsan elit. Nullam lobortis velit vel tortor
28 varius aliquet egestas sed diam. Quisque id velit molestie, placerat lorem
29 et, vulputate nisl. Ut non dui sit amet tortor egestas mattis. Suspendisse
30 tempor tristique risus eget semper. Vivamus feugiat a enim sit amet
31 imperdiet. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices
32 posuere cubilia Curae; Cras sed egestas risus.</p>
33
34 </div>
35
36 <h5>
37 &copy; 2013, Lorem ipsum<br>
38 Chicago, Illinois USA - 773.666.0001
39 </h5>
40
41 </body>
42 </html>
43
```

<link> to style sheet

<img> image tag

<div> element for page content

# Exercise #4

```
css_image.html x imagestyle.css x
1
2 body
3 {padding:80px 200px 80px 100px;}
4
5 img.tim
6 {width:150px;
7 height:100px;
8 border-radius:18px;
9 float:right;
10 margin-left:40px;
11 margin-bottom:200px;}
12
13
14
15
16
Ln : 3 Col : 34 Sel : 0 | 0 Dos\Windows ANSI a
```



# Background Images

- background-image
  - url(“wlogo.png”)
- background-repeat
  - repeat | no-repeat | repeat-x | repeat-y
- background-attachment
  - fixed | scroll
- background-position
  - top center bottom | left center right
  - % | px



<http://gunkelweb.com/coms359/exercise/wlogo.png>

```
css_image.html x imagestyle.css x
1
2 body
3 {padding:80px 200px 80px 100px;
4  background-color:#9d9d9d;
5  background-image:url("wlogo.png");}
6
7 img.tim
8 {width:150px;
9  height:100px;
10 border-radius:18px;
11 float:right;
12 margin-left:40px;
13 margin-bottom:200px;}
14
15
16
17
18
```

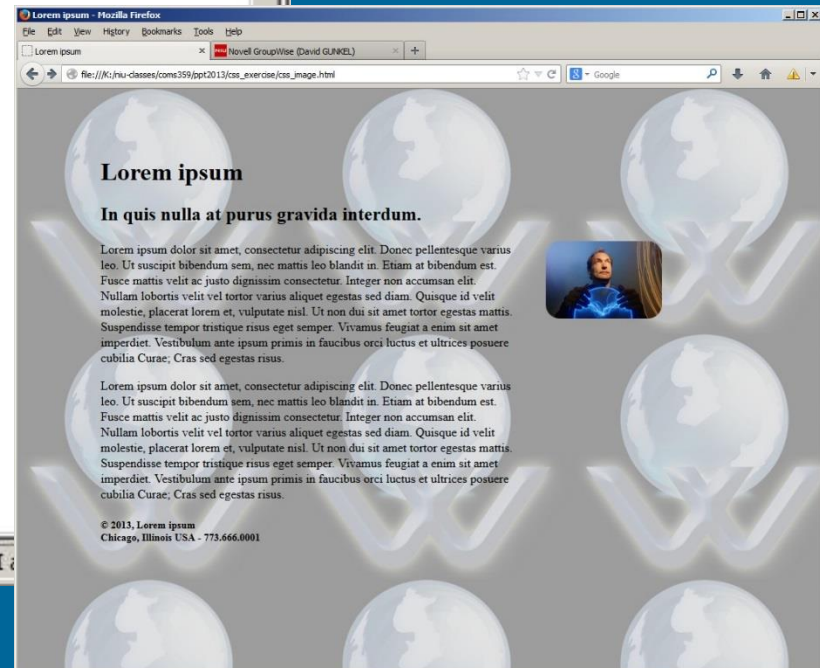


wlogo.png

Exercise #5

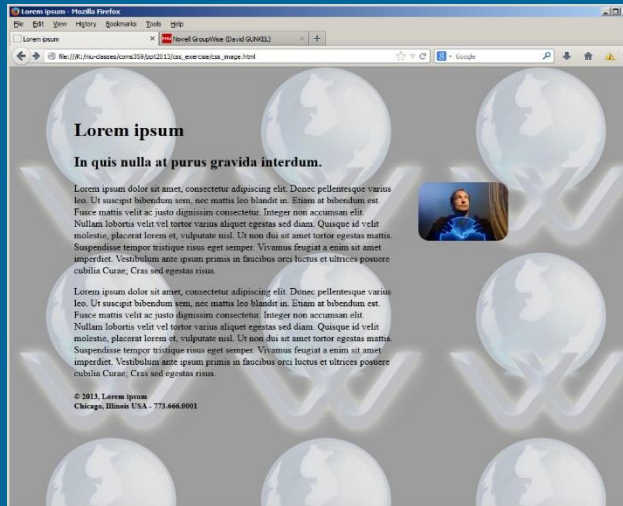
<http://gunkelweb.com/coms359/exercise/wlogo.png>

```
css_image.html x imagestyle.css x
1
2 body
3 {padding:80px 200px 80px 100px;
4   background-color:#9d9d9d;
5   background-image:url("wlogo.png");}
6
7 img.tim
8 {width:150px;
9   height:100px;
10  border-radius:18px;
11  float:right;
12  margin-left:40px;
13  margin-bottom:200px;}
14
15
16
17
len Ln : 4 Col : 28 Sel : 0 | 0 Dos\Windows ANSI
```

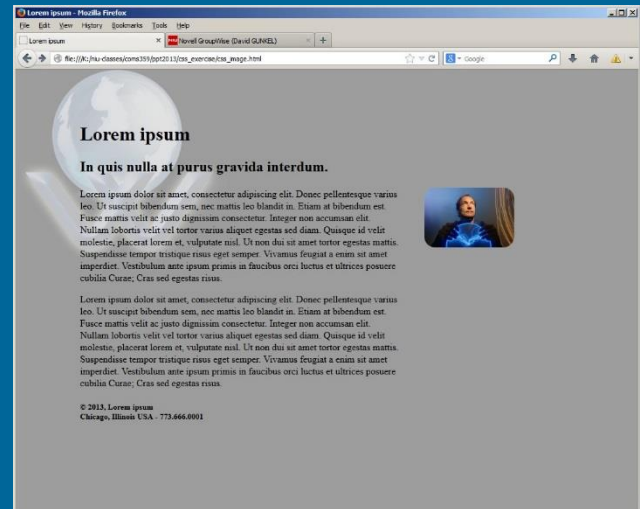


Exercise #5

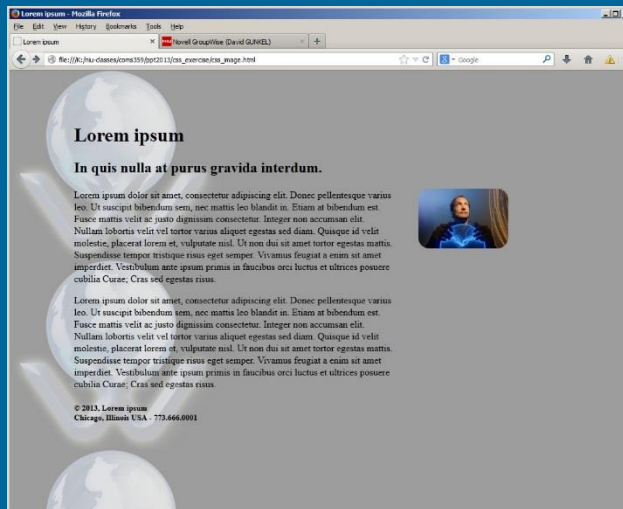
## background-repeat: repeat



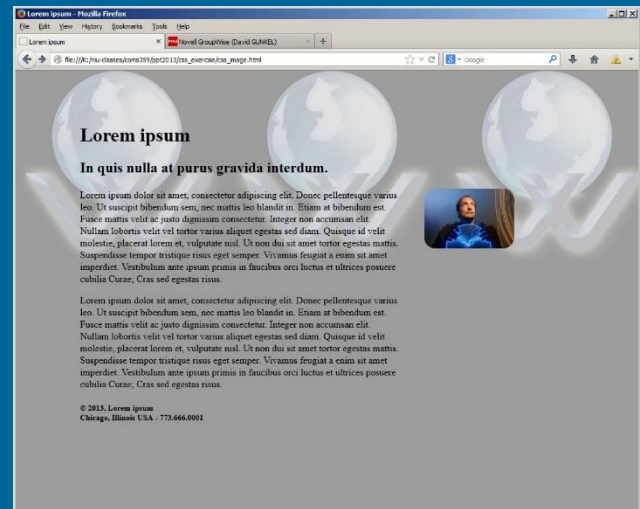
## background-repeat: no-repeat



## background-repeat: repeat-y



## background-repeat: repeat-x





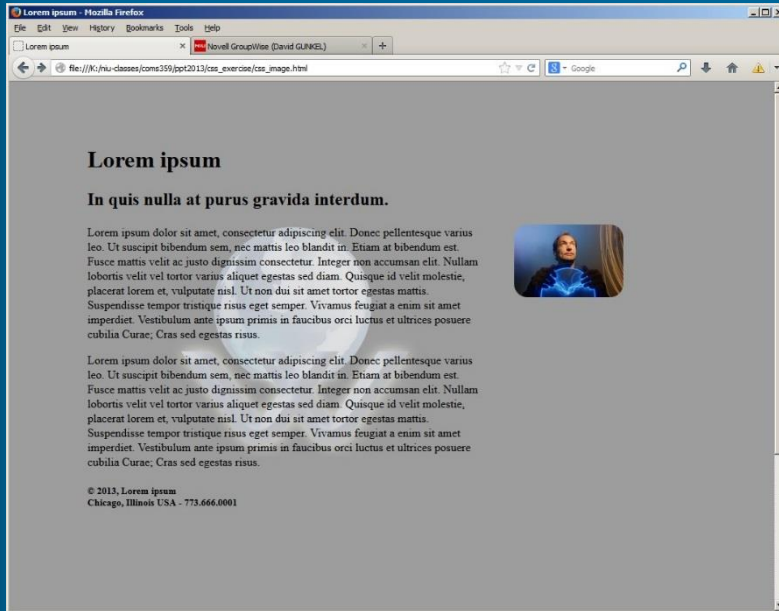
# background-attachment: scroll



# background-attachment: fixed



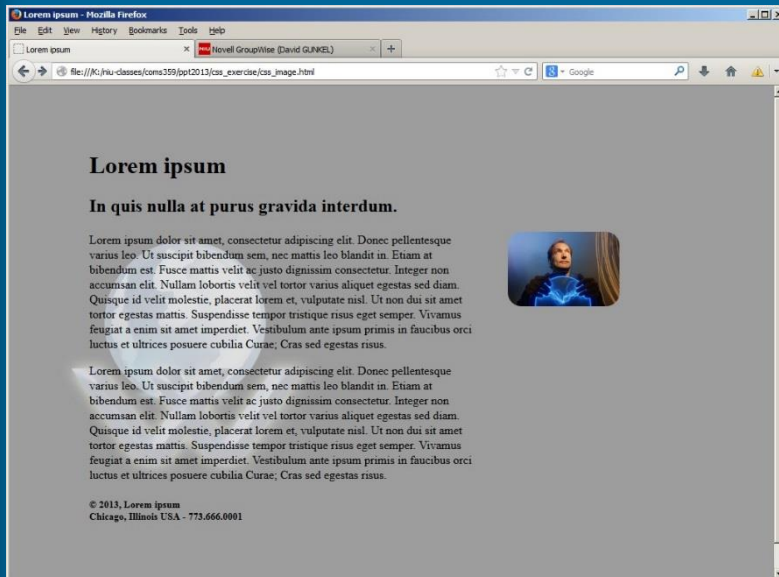
background-position: 220px 200px



background-position: bottom bottom



background-position: 10% 55%



```
css_image.html x imagestyle.css x
1
2 body
3 {padding:80px 200px 80px 100px;
4   background-color:#9d9d9d;
5   background-image:url("wlogo.png");
6   background-repeat:no-repeat;
7   background-position:18% 55%;}
8
9 img.tim
10 {width:150px;
11   height:100px;
12   border-radius:18px;
13   float:right;
14   margin-left:40px;
15   margin-bottom:300px;}
16
17 .content
18 {padding:30px;
19   width:500px;
20   border-radius:5px;
21   background-color:rgba(180,200,250,0.4);}
22
23
24
25
length : 451 lines Ln : 21 Col : 29 Sel : 0 | 0 Dos\Windows ANSI as UTF-8 INS
```

## Exercise #5

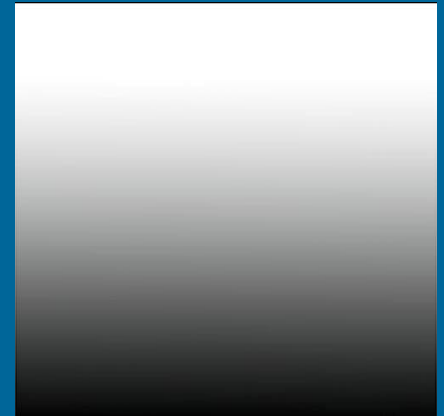


```
css_image.html x imagestyle.css x
1
2 body
3 {padding:80px 200px 80px 100px;
4   background-color:#9d9d9d;
5   background-image:url("wlogo.png");
6   background-repeat:no-repeat;
7   background-position:18% 55%;}
8
9 img.tim
10 {width:150px;
11   height:100px;
12   border-radius:18px;
13   float:right;
14   margin-left:40px;
15   margin-bottom:300px;}
16
17 .content
18 {padding:30px;
19   width:500px;
20   border-radius:5px;
21   background-color:rgba(180,200,250,0.4);}
22
23
24
25
length : 451 lines Ln : 21 Col : 29 Sel : 0 | 0 Dos\Windows ANSI as UTF-8 INS
```



# Background Images

- CSS3 Gradient
  - Apply a color gradient to any CSS box background
  - New feature = limited browser support
  - Syntax



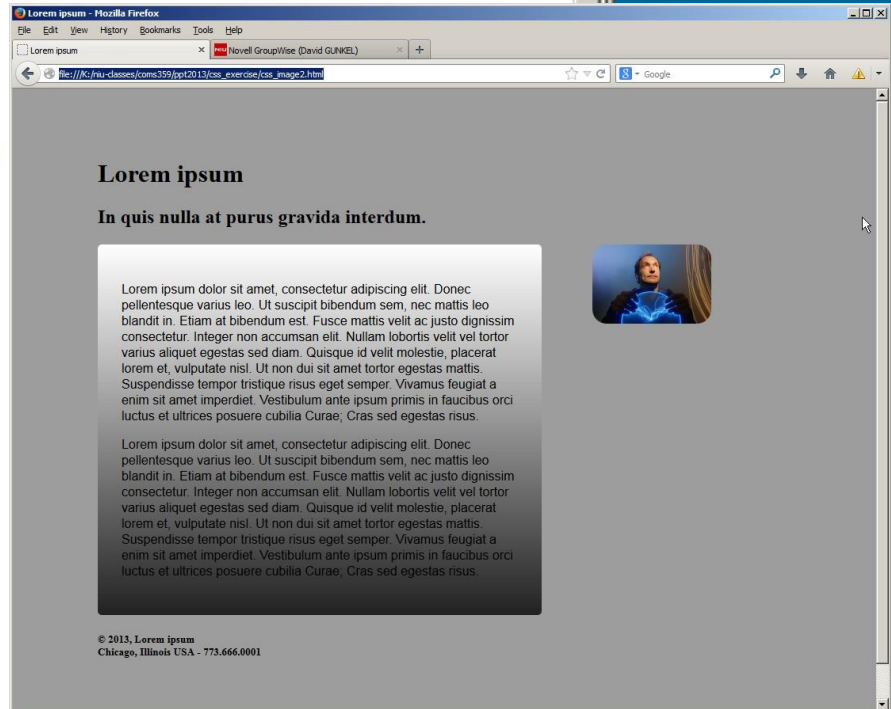
```
background-image: -moz-linear-gradient(#ffffff,#222222);
```

```
background-image: -webkit-linear-gradient(#ffffff,#222222);
```



```
css_image.html | imagestyle.css
1
2 body
3 {padding:80px 200px 80px 100px;
4   background-color:#9d9d9d;
5   background-image:url("wlogo.png");
6   background-repeat:no-repeat;
7   background-position:18% 55%;}
8
9 img.tim
10 {width:150px;
11   height:100px;
12   border-radius:18px;
13   float:right;
14   margin-left:40px;
15   margin-bottom:300px;}
16
17 .content
18 {font-family:arial;
19   padding:30px;
20   width:500px;
21   border-radius:5px;
22   background-image: -moz-linear-gradient(#ffffff,#222222);
23   background-image: -webkit-linear-gradient(#ffffff,#222222);}
24
25
26
```

Cascade Style S length : 551 lines : 28 Ln : 26 Col : 1 Sel : 0 | 0 Dos\Windows ANSI as UTF-8 INS







# Image Rollovers

- Image Rollovers
  - Function – images change when user places mouse on them
  - Purpose – basic image animation, provide user with feedback, images respond to user actions
  - Used for creating interactive menus and buttons

# JavaScript Application

- Rollover Requirements
  - 1) Need a pair of images for each rollover button
    - Regular 
    - Highlighted 
  - 2) Use CSS `background-image` to swap the highlighted image for the regular image when the mouse cursor is over it

http://gunkelweb.com/coms359/exercise/enter.html

```
imagestyle.css x rollover.html x
1 <html>
2   <head>
3     <title>Lorem ipsum</title>
4
5     <style type="text/css">
6
7     a.enter
8       {width:160px;
9         height:60px;
10        display:inline-block;
11        background-image:url("enter1.jpg");}
12
13    a.enter:hover
14      {width:160px;
15        height:60px;
16        display:inline-block;
17        background-image:url("enter2.jpg");}
18
19    </style>
20
21    </head>
22  <body>
23
24  <a href="http://www.niu.edu" class="enter"> &nbsp; </a>
25
26  </body>
27  </html>
28
```

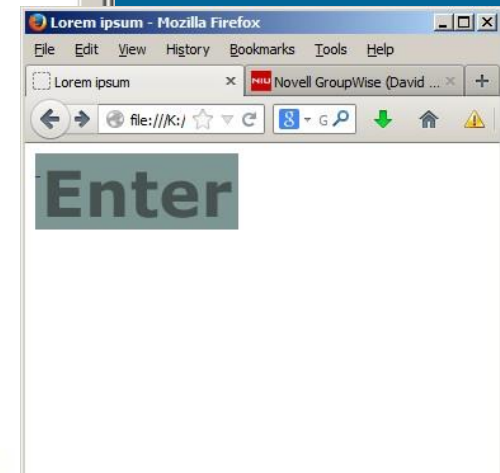
length : 443 lines : 29 Ln : 28 Col : 1 Sel : 0 | 0 Dos\Windows ANSI as UTF-8 INS



enter1.jpg



enter2.jpg



Exercise #7



# Preview

- Exercise – Prototype
  - Work on it Wednesday (17 April)
  - Show it to me on Monday (22 April)
- Next class = 22 April – Text Layout
  - Duckett - ch. 12: Text (264-298)
  - Miller - ch. 5: Typography (89-200)
  - Duckett - ch. 17: HTML5 Layout (428-450)

