

COMSC-031

**Web Site Development-
Part 2**



Part-Time Instructor: Joenil Mistal

Topic 5



5

Working with Images

Make your Web page more interesting by adding photos, graphics, animation, video, and other visual elements. This chapter shows you how to insert and format these elements.

Topics: Working with Images

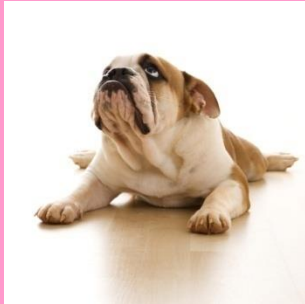
- Insert an image into a Web page
- Crop an Image
- Resize an Image
- Open an Image in an Image Editor
- Add a Background Image
- Change Text Colors
- Create a Rollover Image
- Insert a Video from YouTube



Understanding Web Page Images

Image File Formats

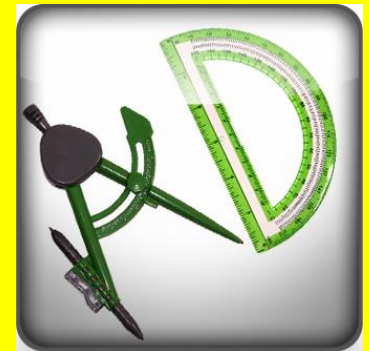
JPEG



GIF



PNG



- You can find free clip art images on the Web at <http://office.microsoft.com/en-us/images/>

Understanding Web Page Images



JPEG

- JPEG or JPG which stands for Joint Photographic Experts Group, **supports 24 bit color**, allowing for millions of colors.
- The JPEG format is commonly used for **complex** images, such as photos or graphics that used millions of colors and feature lots of detail.
- JPEG is not a good choice for simple artwork because it results in a larger overall file size, which in turn , takes longer to display on Web pages.

Understanding Web Page Images

GIF

- GIF, which stands for Graphics Interchange Format, **supports up to 256 colors.**
- The GIF format is more common with **simple images**, such as simple graphics utilizing basic shapes and lines, and logos.
- If you image or graphic contains few colors and not a lot of detail, GIF is a good file format choice.



Understanding Web Page Images



PNG

- The PNG format, which stands for Portable Network Graphics, offers rich color support and advanced compression schemes.
- It is good choice for any kind of images, from graphics to photographs.
- PNG supports **24-bit color**, like JPEG, but greater **file compression**.
- Choose PNG if you intended audience most likely uses a new browser version.

Understanding Web Page Images

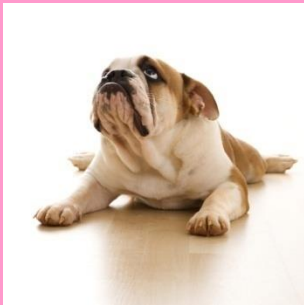
Downloading Considerations

- Browsers must first **download** an image before users can view it on the Web page.
- Large images can take a long time to display, especially with slower Internet connection speeds.
- For this reason, you need to consider the overall **file size** of an image when deciding whether to add it to a Web page.
- Do not populate your page with many large pictures, or the download time will be excessive.

Insert an Image into a Web page

- You can insert different types of images into your Web page, including clip art, digital camera images, and scanned photos.
- You must first save the images in a Web format, such as GIF, PNG, or JPEG

JPEG



GIF



PNG




Insert an Image into a Web Page



Insert an Image into a Web page

1. Click to mouse position where you want to insert the image.
2. Click **Insert**
3. Click **Image**

Note: You can also click Image  button in the Common Insert panel

4. Click  and select the **folder** that contains the image
5. Click the **image file** that you want to insert into your Web page.

Insert an Image into a Web Page



Insert an Image into a Web page

6. Click **OK**
7. Enter a **description** of the image.

Note: **Alternative text** appear in the code behind an image and displays only if the image is not visible.

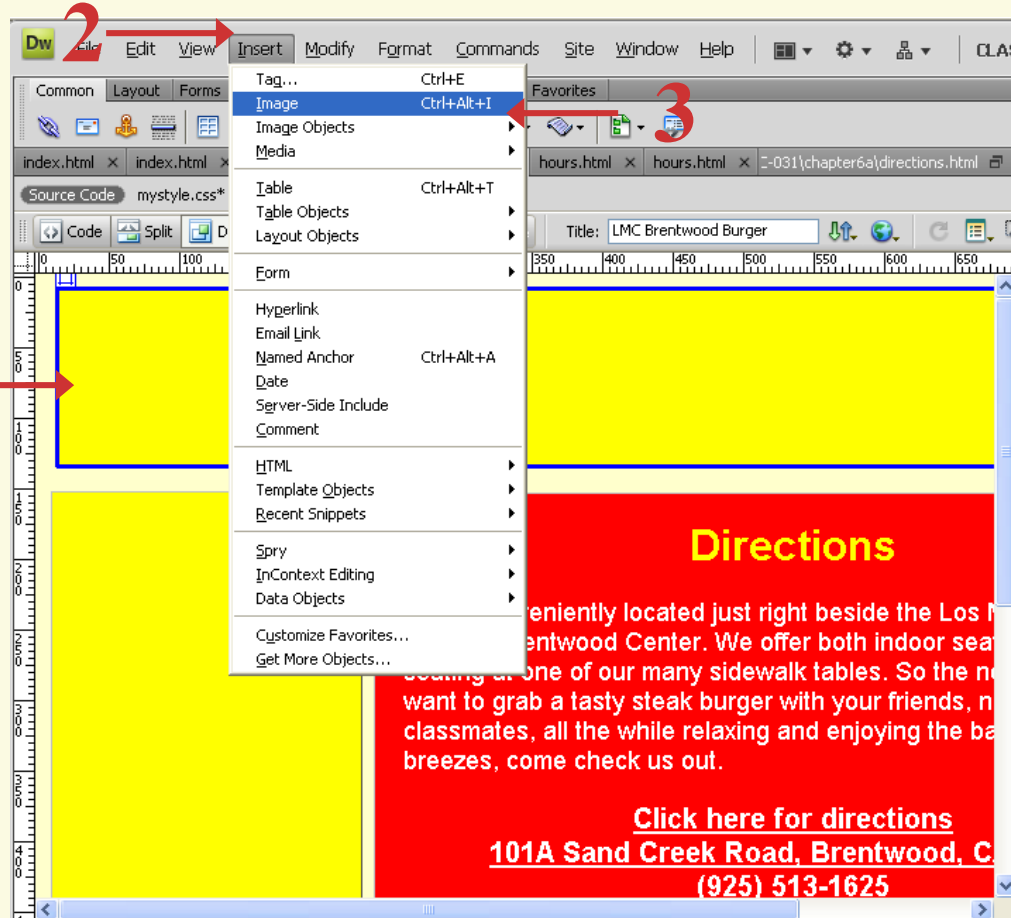
Alternative text is especially important for the visually impaired visitors who use screen readers to “read” Web pages to them.

8. Enter a **URL** for a longer description, if available.
9. Click **OK**

Insert an Image into a Web Page



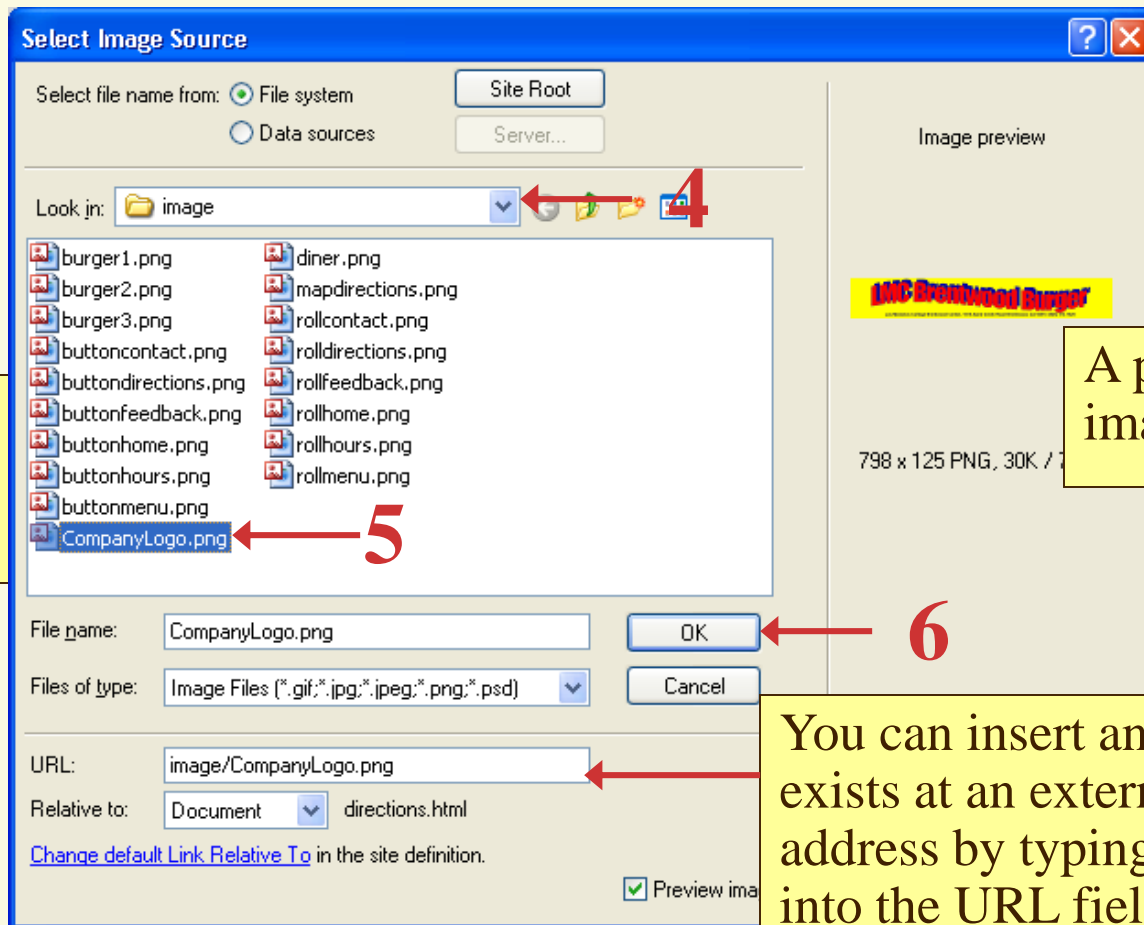
Insert an Image into a Web page



Insert an Image into a Web Page



Insert an Image into a Web page



The Select Image Source dialog box appears.

A preview of the image appears.

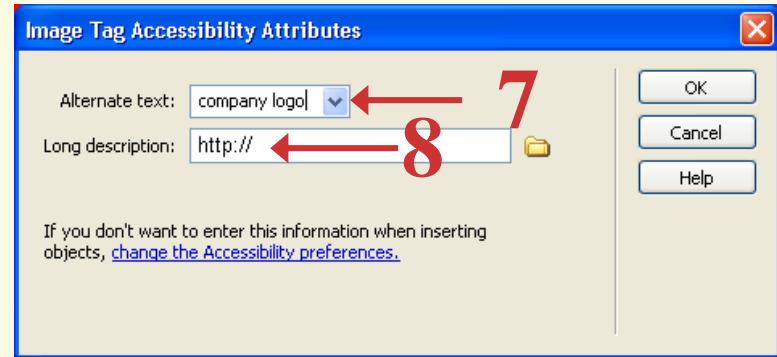
You can insert an image that exists at an external Web address by typing the address into the URL field.

Insert an Image into a Web Page



Insert an Image into a Web page

Alternative text appear in the code behind an image and displays only if the image is not visible.



The image appears where you positioned your cursor in the Web page.



To delete an image, click the image and press <Delete>.


Crop an Image

- You can **trim, or crop**, an image by using the Crop tool and dragging the crop handles to adjust how much of the image you want to show.
- This can be useful for **quick edits** without using an external image-editing program, as it physically crops the image file.

Crop an Image

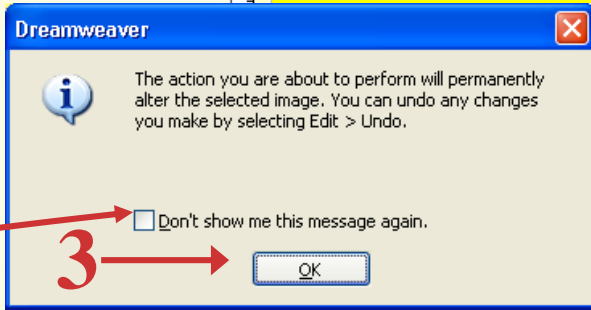


Crop an Image

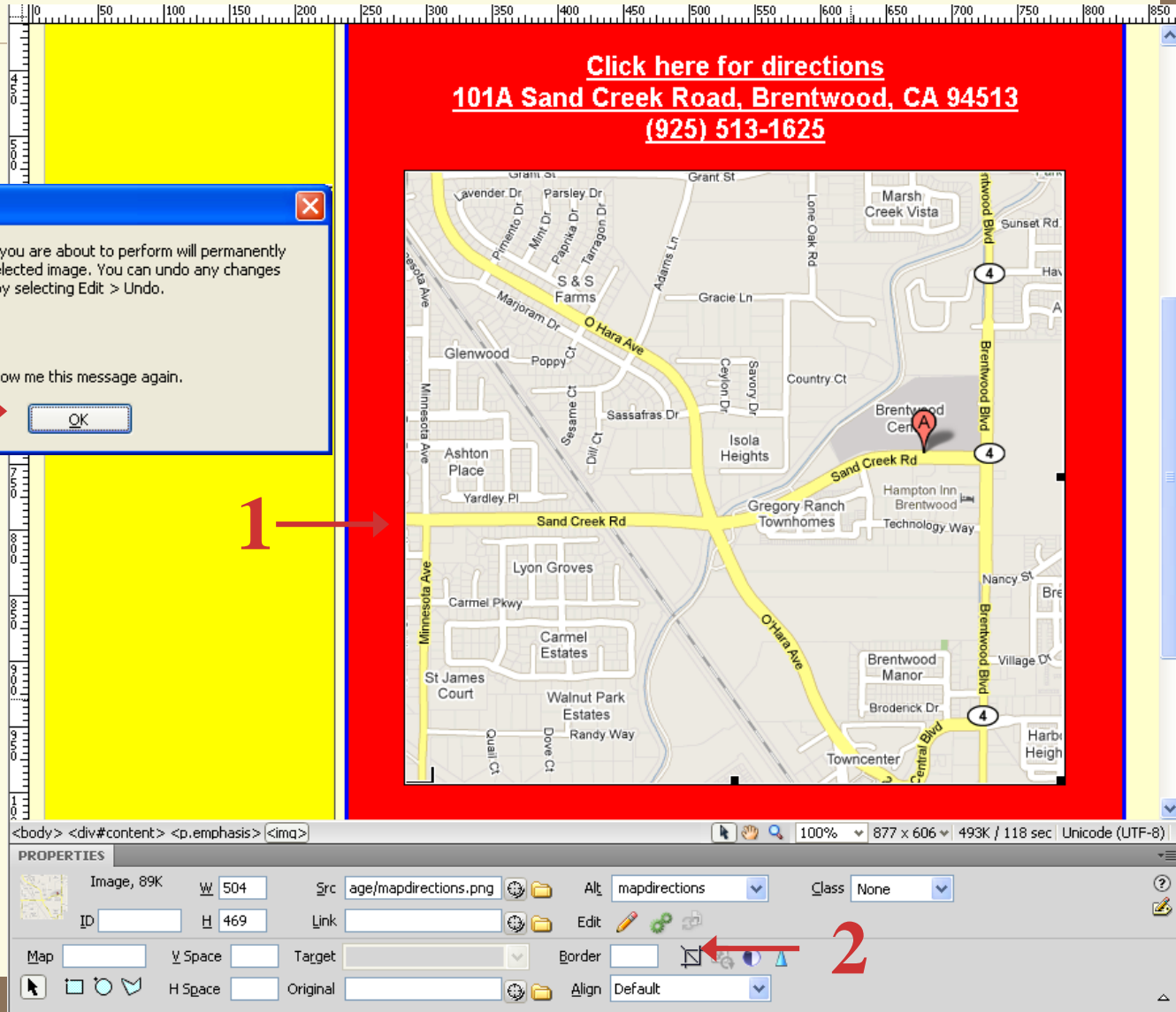
1. Click an **image** to select it.
2. Click the **Crop** tool The crop tool icon is a small square with a diagonal line from the top-left to the bottom-right, and small squares at each corner representing handles.
3. Click **OK**
4. Click and drag the black, **square handles** to define the area that you want to crop.
5. Double-click inside the **crop box**.

Crop an Image

demo



You can turn off this warning by clicking the check box.



Click here for directions
[101A Sand Creek Road, Brentwood, CA 94513](#)
[\(925\) 513-1625](#)

1

2

3

PROPERTIES

Image, 89K W 504 H 469 Src age/mapdirections.png Alt mapdirections Class None

Map V Space Target Border H Space Original

Crop an Image

demo

Click here for directions
101A Sand Creek Road, Brentwood, CA 94513
(925) 513-1625

5

4

The image trims to the size of the crop box.

`<body> <div#content> <p.emphasis> `

100% 877 x 606 493K / 118 sec Unicode (UTF-8)

PROPERTIES

Image, 89K W 408 Src age/mapdirections.png Alt mapdirections Class em...

ID H 354 Link Edit

Map V Space Target Border H Space Original Align Default

Crop an Image



Should I edit images in Dreamweaver or use an external graphics program?

Adobe has added the Crop and other basic editing tools to make working on a Web page faster and easier.

If you need to do a simple crop, the Crop tool is faster than opening the image in an image-editing program such as Adobe Fireworks or Adobe Photoshop.

However, if you want to save a copy of the original before you make the crop, or do other image editing, then you need to use a dedicated image-editing program

Resize an Image

- You can change the display size of an image without changing the file size of the image.
- You can do this by using a **percentage** or a **pixel** size, or by clicking and dragging the corner of the image.

NOTE: Pixels are tiny, solid-color squares that make up a digital image. When you specify a size in pixels, you are using a very small unit of measurement.

Resize an Image



Resize Using Pixel Dimensions


1. Click an **image** to select it.
2. Type the **desired width** of the image, either in pixels.
3. Press **<Enter>**
4. Type the **desired height** of the image in pixels or as a percentage.
5. Press **<Enter>**

demo

Resize Using Pixel or Percentage Dimensions

LMC Brentwood Burger
Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 513-1625

Directions



We're conveniently located just right beside the Los Medanos College Brentwood Center. We offer both indoor seating and outdoor seating at one of our many sidewalk tables. So the next time you want to grab a fast

PROPERTIES

Image, 371K W 370 H 339 src image/burger2.png Alt burger2 Class None

Map V Space Target Border H Space Original Align

demo

Resize Using Pixel or Percentage Dimensions

Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 513-1625

Directions



We're conveniently located just right beside the Los Medanos College Brentwood Center. We offer both indoor seating and outdoor seating at one of our many sidewalk tables. So the next time you want to grab a tasty steak burger with your friend neighbours or classmates, all the while relaxing and enjoying the balmy Delta breezes, come check us out.

[Click here for directions](#)
101A Sand Creek Road, Brentwood, CA 94513
(925) 513-1625

Image, 371K W 200 H 185 Src image/burger2.png Alt burger2 Class None

The image displays with its new dimensions.

Resize an Image



Click and Drag to Resize

1. Click an **image** to select it.
2. Drag one of the **handles** at the edge of the image

Note: To resize the image proportionally, press and hold down the shift as you drag a corner

Resize an Image



Click and Drag to Resize

The screenshot shows a web page for "LMC Brentwood Burger". The page has a yellow header with the text "LMC Brentwood Burger" in large, bold, red and blue letters. Below the header, it says "Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 513-1625". The main content area has a red background with the word "Directions" in yellow. In the center of the red area is a photograph of a burger with blue cheese, bacon, and tomato. A red box is drawn around the burger image, and a yellow box is drawn to its left. A red arrow points from the number "1" in the yellow box to the left edge of the red box. Another red arrow points from the number "2" in the yellow box to the bottom-right corner of the red box.

To resize the image proportionally, press and hold down <Shift> as you drag a corner.

The image expands or contracts to the new size.

Resize an Image



Reset the Image to the Original Size

1. Click the **image** to select it.
2. Click **Reset Size** in the Property inspector.

demo

Resize an Image to the Original Size

The screenshot shows a web browser window displaying a page for 'LMC Brentwood Burger'. The page has a yellow header with the text 'LMC Brentwood Burger' in large, bold, red and blue letters. Below the header is the address: 'Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 513-1625'. The main content area is red and contains a 'Directions' section with a large image of a burger. The burger is topped with blue cheese, bacon, white sauce, a beef patty, tomato, onion, and lettuce. Below the image is the text: 'We're conveniently located just right beside the Los Medanos College Brentwood Center. We offer both indoor seating and outdoor seating at one of our many sidewalk tables. So the next time you want to grab a fast...'. The browser's status bar shows the page dimensions as 733 x 628 and the image dimensions as 370 x 339. The Properties panel at the bottom shows the image's dimensions and other attributes.

The image returns to its original size.

Resize an Image



What is the best way to change the dimensions of an image on a Web page?

Although you can change the pixel dimensions or click and drag an image in Dreamweaver to stretch or shrink it on the Web page, this does not actually resize the image's true dimensions.

Click and dragging an image may cause **distortion** or **alter** proportions.

A better to resize an image is to open it an image editor such as Adobe Fireworks or Photoshop, and change its actual size.

Open an Image in an Image Editor

- Adobe designed Dreamweaver to work with multiple image programs so that you can easily open and edit the images while you are working on your Web page.
- Adobe Fireworks and Photoshop are sophisticated image-editing programs that are designed to make many changes to an image.

NOTE: Although you can use any image editor. Fireworks and Photoshop are integrated with Dreamweaver because Adobe makes all three programs

Open an Image in an Image Editor



Open an Image in an Image Editor

1. Click an **image** to select it in Dreamweaver.

Note: You can open any image in an external image editor from within Dreamweaver

2. Click **Photoshop** in the Property inspector.
3. After making your changes, click File
4. Click **Save As**
5. Save the image with the same name and format, replacing the original image.

Open an Image in an Image Editor



What can you do in an image-editing program?

A program such as Adobe Fireworks or Photoshop allows you to edit and combine images to create almost anything that you can image.

If you have Fireworks installed, than you can open it to edit an image directly from Dreamweaver.

In the Property inspector, click the Edit/ Fireworks Logo button.


Add a Background Image

- You can insert an **image** into the background of a Web page to add texture and depth to your design.
- Background images appear behind any text or images that you are on your Web page and are repeated across and down the Web browser window unless you specify otherwise.

Add a Background Image



Add a Background Image

1. Select **Modify** and then **Page Properties**
2. Click **Appearance (CSS)**
3. Click **Browse**
4. Click  and select the folder that contains the **background image** file
5. Click the **background image** that you want to insert.
6. Click **OK**.

Add a Background Image



Add a Background Image

7. Click here and choose an option to specify whether or not the image should repeat across and down the page.
8. Click **OK**

Add a Background Image



What types of images make a good background?

Textures, subtle patterns, and photos with large open areas all make good background images.

It is important to make sure that the image **does not** clash with the text and other content in the foreground or overwhelm the rest of the page.

Using an image that tiles seamlessly is also a good idea so that your background appears to be one large image that covers the entire page.

Fireworks includes a number of features that can help you create a background image.

Add a Background Image



Are backgrounds always patterns?

Although many backgrounds repeat a pattern of some kind, a background image can also be an image that is big enough to fill the entire screen.

Because a background image tiles, a vertical image creates a stripe across the top of the page, and a horizontal image creates a left-hand stripe

Change the Background Color

- You can add color to your Web pages by changing the background color.
- Dreamweaver offers a selection of Web-safe colors that are designed to display well on all computer monitors.

Change the Background Color



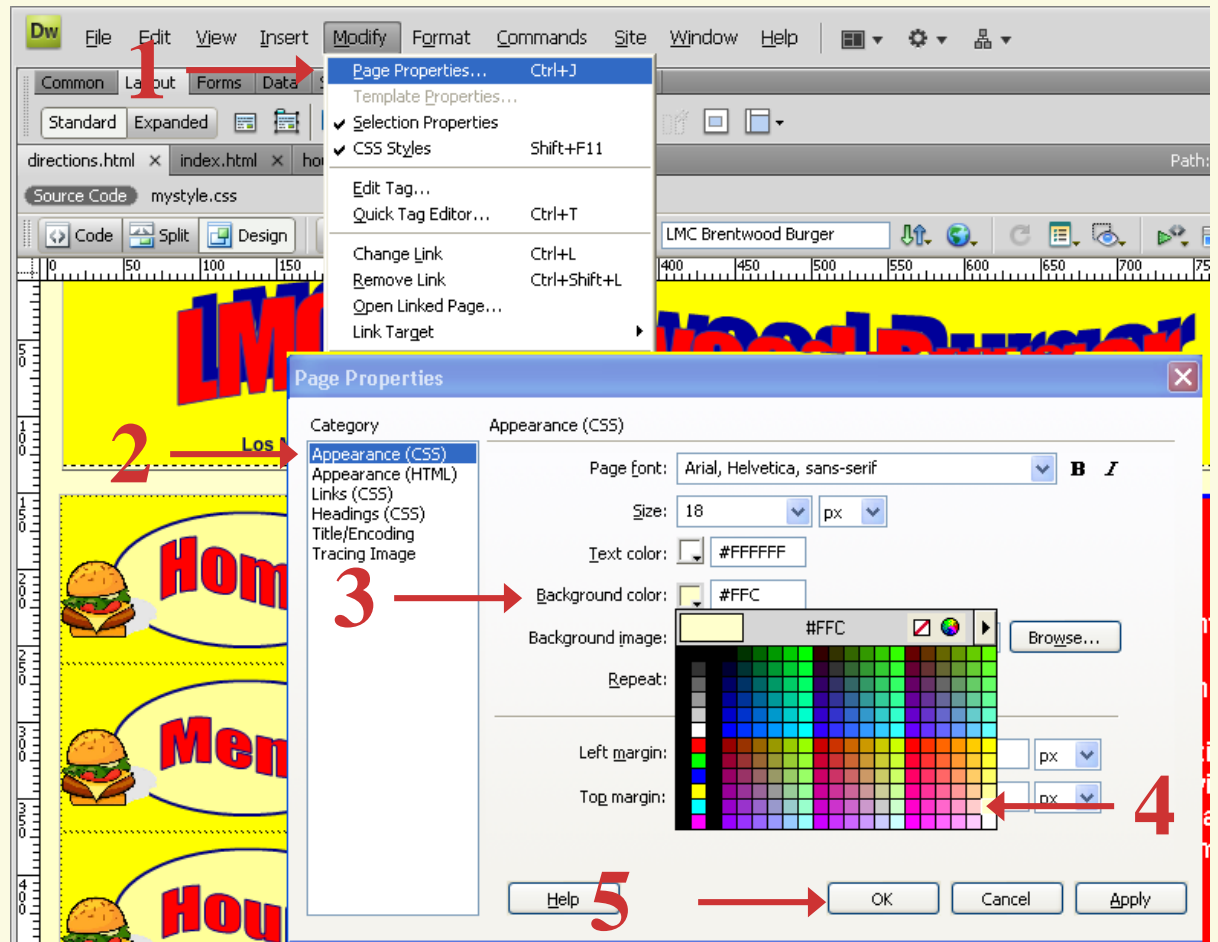
Change the Background Color

1. Select **Modify** and then **Page Properties**
2. Click **Appearance (CSS)**
3. Click the **Background color** to open the color palette
4. Click a **color** from the menu using the Eyedropper tool.
5. Click **OK**

Change the Background Color



Change the Background Color



The background of your Web page displays in the color that you selected.

Change Text Colors

- You can change the **text color** for the entire page using Dreamweaver's Page Properties.
- When you alter page and text colors, make sure that the text is still readable.
- In general, light text colors work best against a dark background and dark text colors work best against a light background.

Change Text Colors



Change Text Colors

1. Select **Modify** and then **Page Properties**
2. Click **Appearance**
3. Click **Text color** to open the color palette.
4. Click a **color** using the Eyedropper tool.
5. Click **OK**

Change Text Colors

demo

Change Text Colors

The screenshot shows the Adobe Dreamweaver interface with the Page Properties dialog box open. The dialog is set to the 'Appearance (CSS)' category. Red arrows and numbers 1 through 5 point to specific elements: 1 points to the 'Modify' menu, 2 points to the 'Appearance (CSS)' category, 3 points to the 'Text color' field, 4 points to the color selection grid, and 5 points to the 'OK' button. The background shows a website layout for 'LMC' with sections for 'Home', 'Menu', 'Hours', and 'Directions'.

1 → Modify

2 → Appearance (CSS)

3 → Text color

4 → Color selection grid

5 → OK

Page Properties

Category: Appearance (CSS)

Appearance (CSS)

Page font: Arial, Helvetica, sans-serif

Size: 18 px

Text color: #FFFFFF

Background color: #FFF

Background image: Browse...

Repeat: [Grid]

Left margin: 10 px

Top margin: 10 px

Bottom margin: 10 px

Help OK Cancel Apply

Any text on your Web page displays the color that you selected.

A fun, friendly and cozy diner pride ourselves in using the best ingredients in all of our savory and delicious sirloin steak burgers. Whether you're craving a tasty or filling specialty steak burger with your favourite trimmings, we've got you covered!

Create a Rollover Image

- **Rollover images** are designed to react when someone rolls a cursor over them.
- They are commonly used in navigation bars and other links, but they can also be used to add a little surprise to your pages
- A rollover effect can be subtle or dramatic, depending on the difference between the two images that you use in the rollover, but **both images must be the same size.**

Create a Rollover Image



Create a rollover image

1. **Position** the pointer where you want to insert the rollover image
2. Select the **Insert tab**
3. Select **Rollover Image**

Create a Rollover Image



Create a rollover image

Dw File Edit View Insert Tools Find Site Window Help

Standard -

Code Split Design

menu.html x directions.html* x

Source Code mystyle.css

LMC Brentwood Bur

Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 831-3666

Home

Menu

Directions

We're conveniently located just right beside the College Brentwood Center. We offer both indoor and outdoor seating at one of our many sidewalk tables. If you want to grab a tasty steak burger with your classmates, all the while relaxing and enjoying the breezes, come check us out.

CC Libraries Insert CSS Designer

HTML

- Keywords
- Description
- Viewport
- Script
- Email Link
- HTML5 Video
- Canvas
- Animated Composition
- HTML5 Audio
- Flash SWF
- Flash Video
- Plugin
- Rollover Image

Create a Rollover Image



Create a rollover image

4. Type an **identifying name** for scripting purposes.
5. Click **Browse** and select the first image
6. Click **Browse** and select the second image.
7. Type an **alternative text**
8. Click on the **OK** button

Create a Rollover Image



Create a rollover image

The dialog box "Insert Rollover Image" contains the following fields and controls:

- Image name: (labeled 4)
- Original image: (labeled 5) with a "Browse..." button.
- Rollover image: (labeled 6) with a "Browse..." button.
- Preload rollover image
- Alternate text: (labeled 7)
- When clicked, Go to URL: with a "Browse..." button.
- Buttons: OK (labeled 8), Cancel, and Help.

demo

Create a rollover image for the navigation bar

When you roll your cursor over the first rollover image in a Web browser, the second image appears.

Dreamweaver automatically inserts the scripting that you need to rollover effect work.



Create a Rollover Image



How does the rollover image work?

The **interactive effect** of a rollover image requires more than HTML. Dreamweaver creates this effect by using a scripting language called **JavaScript**.

JavaScript is used for many kinds of interactivity, from image swaps to pop-up windows.

JavaScript is more complex than HTML code.

Dreamweaver includes many other JavaScript features in the Behaviors panel.

To see what other kinds of behaviors are available, use the Window menu to select Behaviors.

Insert a Video from YouTube

- One of the easiest ways to add video to your Web pages is to embed the video from the popular video site YouTube, www.youtube.com
- You can embed almost any video on YouTube into your Web site by copying and pasting a little code from YouTube into your site.

Insert a Video from YouTube

(pg 98)



Insert a Video from YouTube

1. **Position** the pointer where you want to insert the rollover image
2. Click **Insert**
3. Click **Image Objects**
4. Click **Rollover Image**
5. Type an **identifying name** for scripting purposes.
6. Click **Browse** and select the first image
7. Click **Browse** and select the second image.