

CSS Classes and GIMP Tutorial

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HIST 481

Overview

- Styling a class of page elements
- Assigning classes to content
- Using CSS editor to associate styles
- Removing classes from content
- Exercise
- Introduction to GIMP
- Concepts: images, layers, selections
- Creating a simple image
- Saving images for web sites
- GIMP Resources

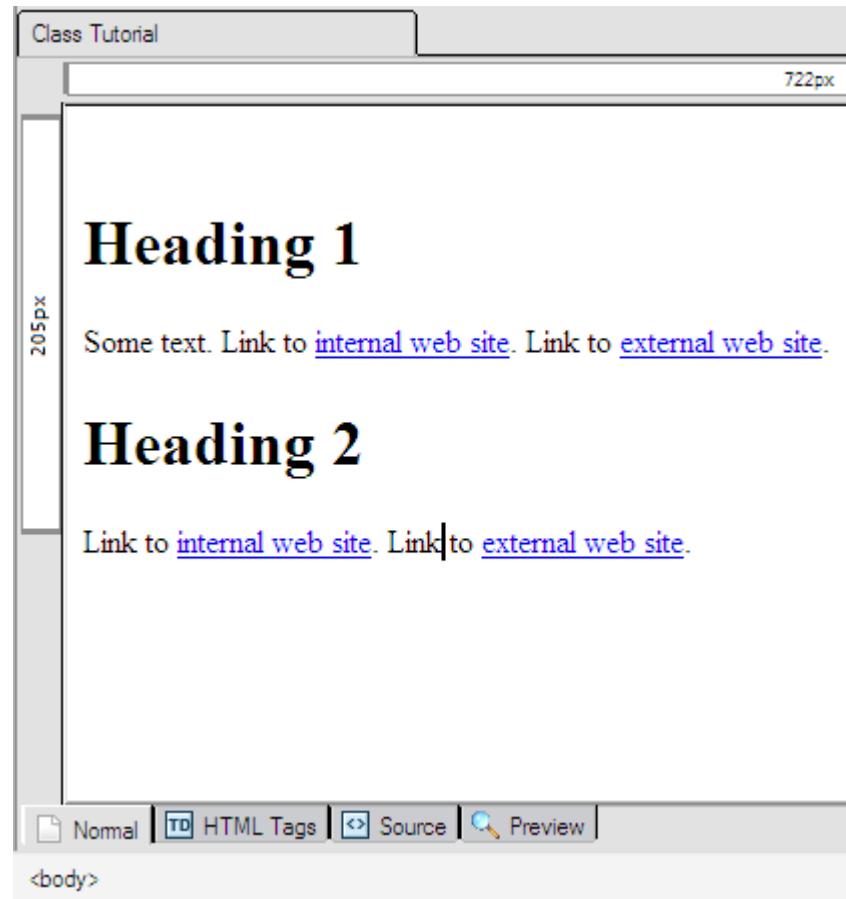
Styling a class of page elements

- A `class` attribute allows us to associate style information to different elements
- An element can be assigned one or more class names
- A class name can be shared by several elements in a web page
- What would we use class attributes for?
 - Styling date, time, image labels
 - Styling image captions, navigation elements, etc.

Assigning classes to content

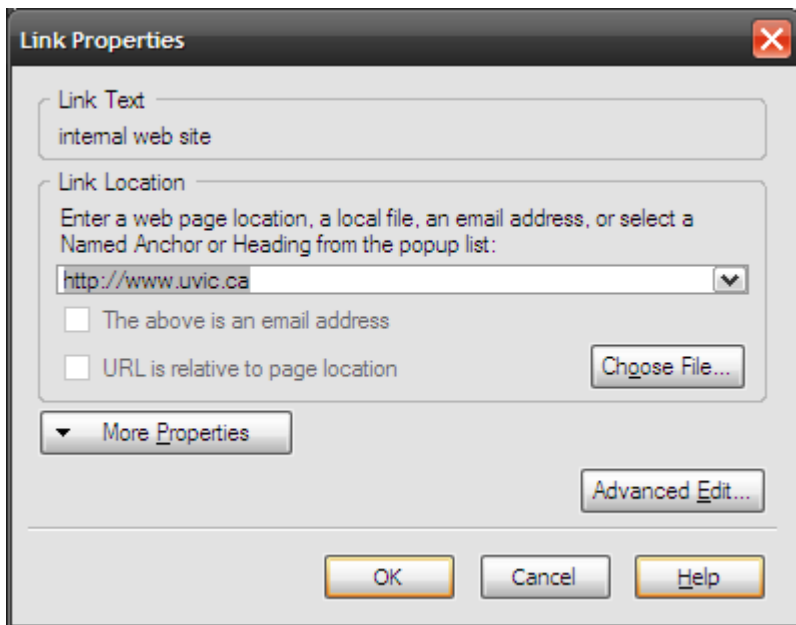
We are now going to style internal and external web site links, that is two classes or categories of information.

- 1) Create a blank page, and add some text as shown.
- 2) Select “internal web site” and insert link with <http://www.uvic.ca> as location, and select “external web site” and insert link with <http://www.google.com> as location.

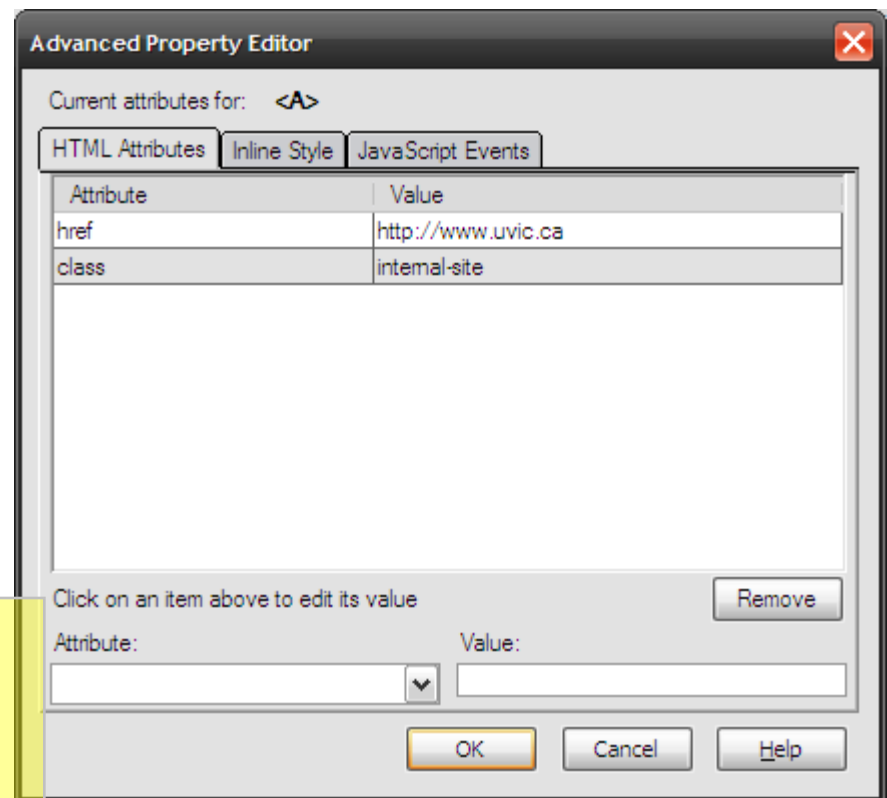


Assigning classes to content

3) Right-click a link and open “Link Properties”.



4) Open the Advanced Property Editor. Choose **class** attribute and assign **internal-site** as value if href is uvic.ca, or **external-site** if href is google.com.

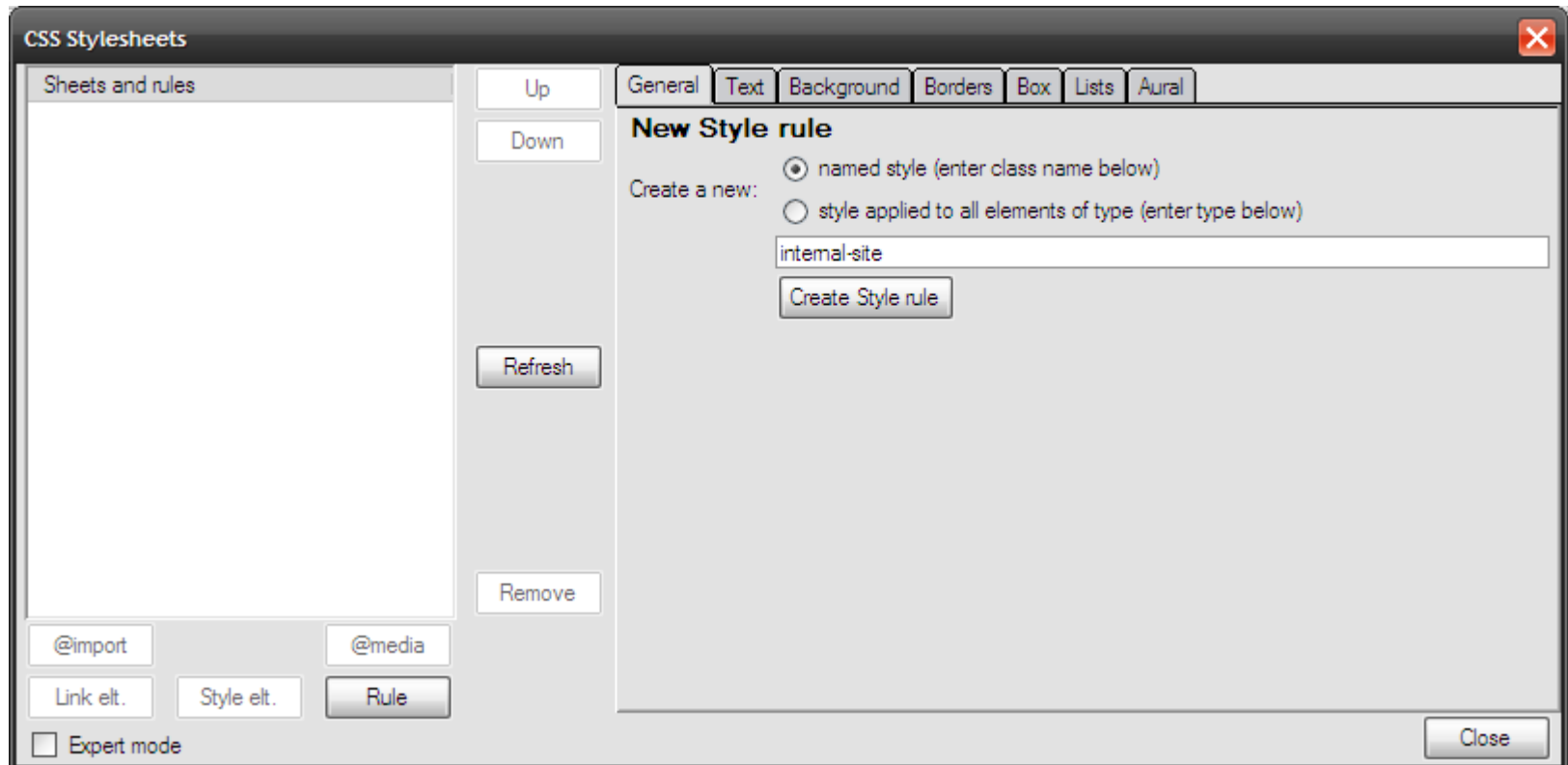


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To open Advanced Property Editor for other elements, switch to HTML Tags mode and right-click the tag of the element to see it as a menu option.

Using CSS editor to associate styles

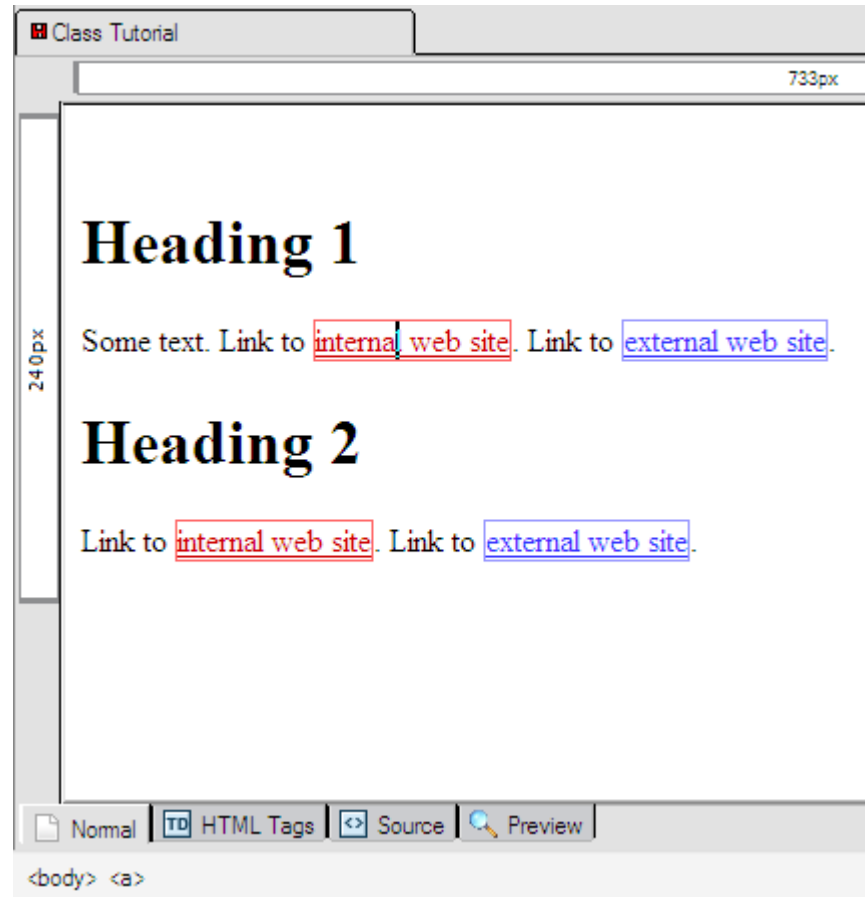
- 1) Open CSS editor and create a new rule using the “named style” option. Enter “**internal-site**” in the text field to style internal web site (uvic.ca).



Using CSS editor to associate styles

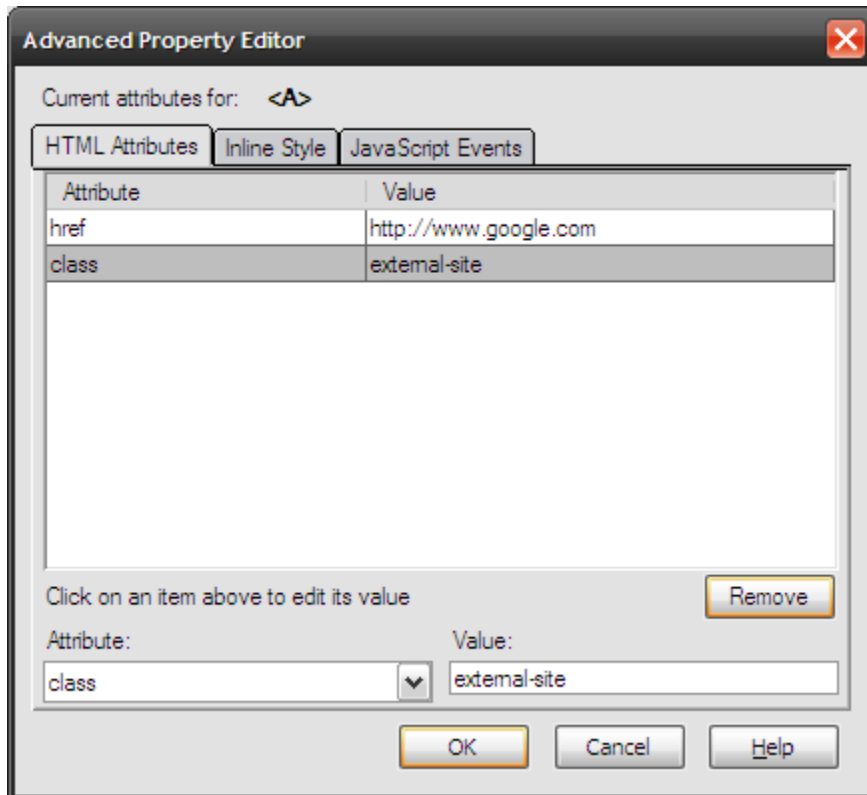
2) Add styles to **internal-site** class selector and see the elements associated to internal-site class updated.

3) Now add styles to **external-site** class selector.

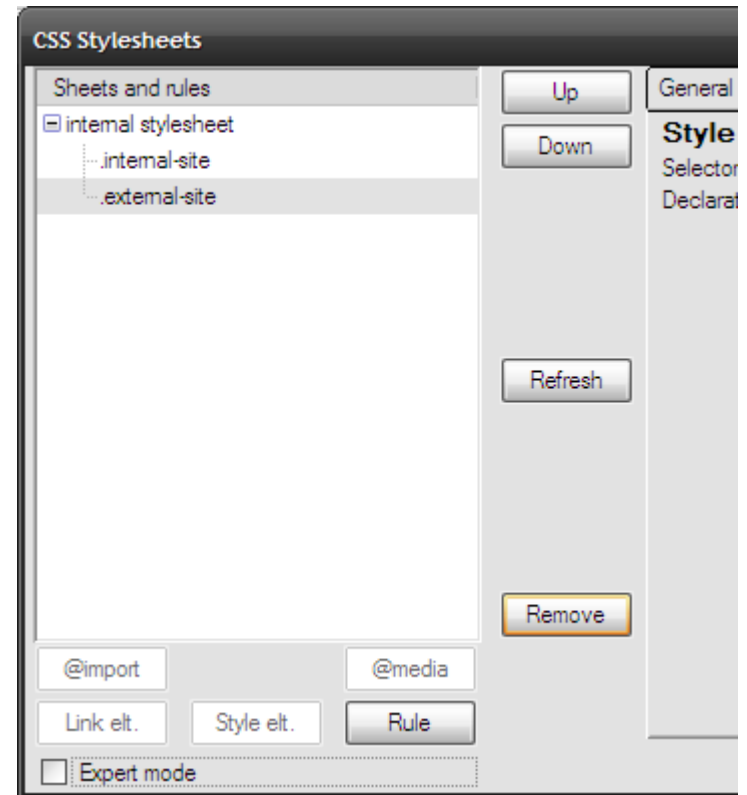


Removing classes from content

1) Remove the class from text using Advanced Property Editor.



2) Remove the class from CSS using CSS editor.



Exercise (non-link elements)

- Add a few dates (such as “Feb 25, 2008”) as text to your web page and style them using “date-label” as class name.
 - Create CSS class first to see menu option
 - Assign class to date label using menu option
 - To remove class assignment, open Advanced Property Editor from the HTML Tags mode (right-click tag associated to the date)

Introduction to GIMP

- GIMP is a tool for performing image tasks: construction, editing, retouching, composition.
- Supports a large variety of image formats including GIF, JPEG, PNG
- Free and runs on multiple platforms
- Native format is XCF, which preserves layers and your work in progress

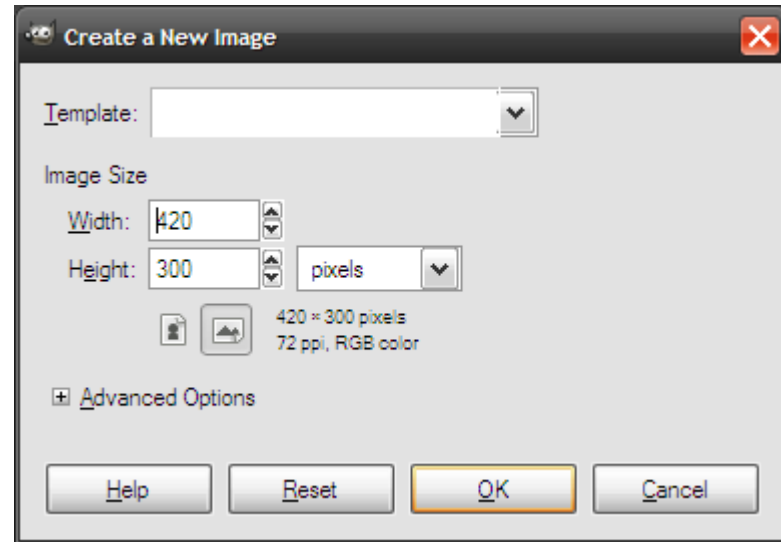
Concepts: images, layers, selections

- An image is the basic entity in GIMP. A single image, such as GIF, JPEG file, is shown in a single display window. Think of an image as a book whose pages are layers.
- A layer is a page in the book. An image may contain one or more layers. Layers can be transparent, translucent or opaque.
- Selections allow you to change some parts of an image and not others. They are shown by a moving dashed line (aka “marching ants”).

Creating a simple image

1) Launch GIMP.

2) Create a new image from the File menu.



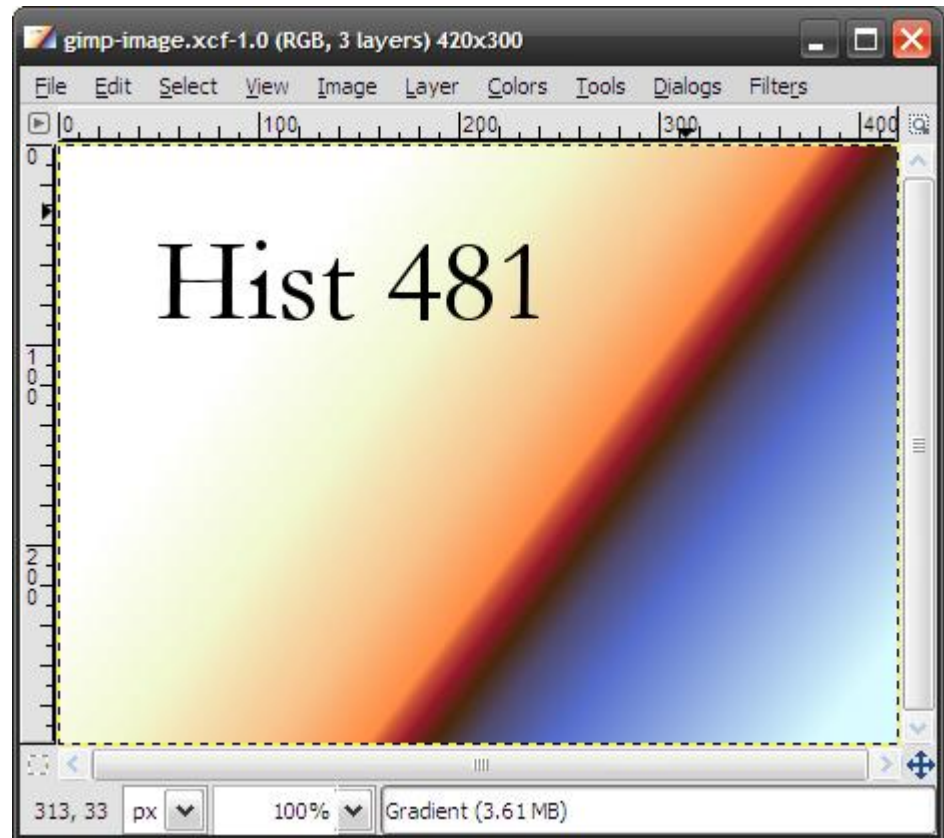
Creating a simple image

Get acquainted with the main toolbox. Rearrange windows, if desired.

3) Use the Blend Tool to draw a gradient background.

4) Use the Text Tool to add text.

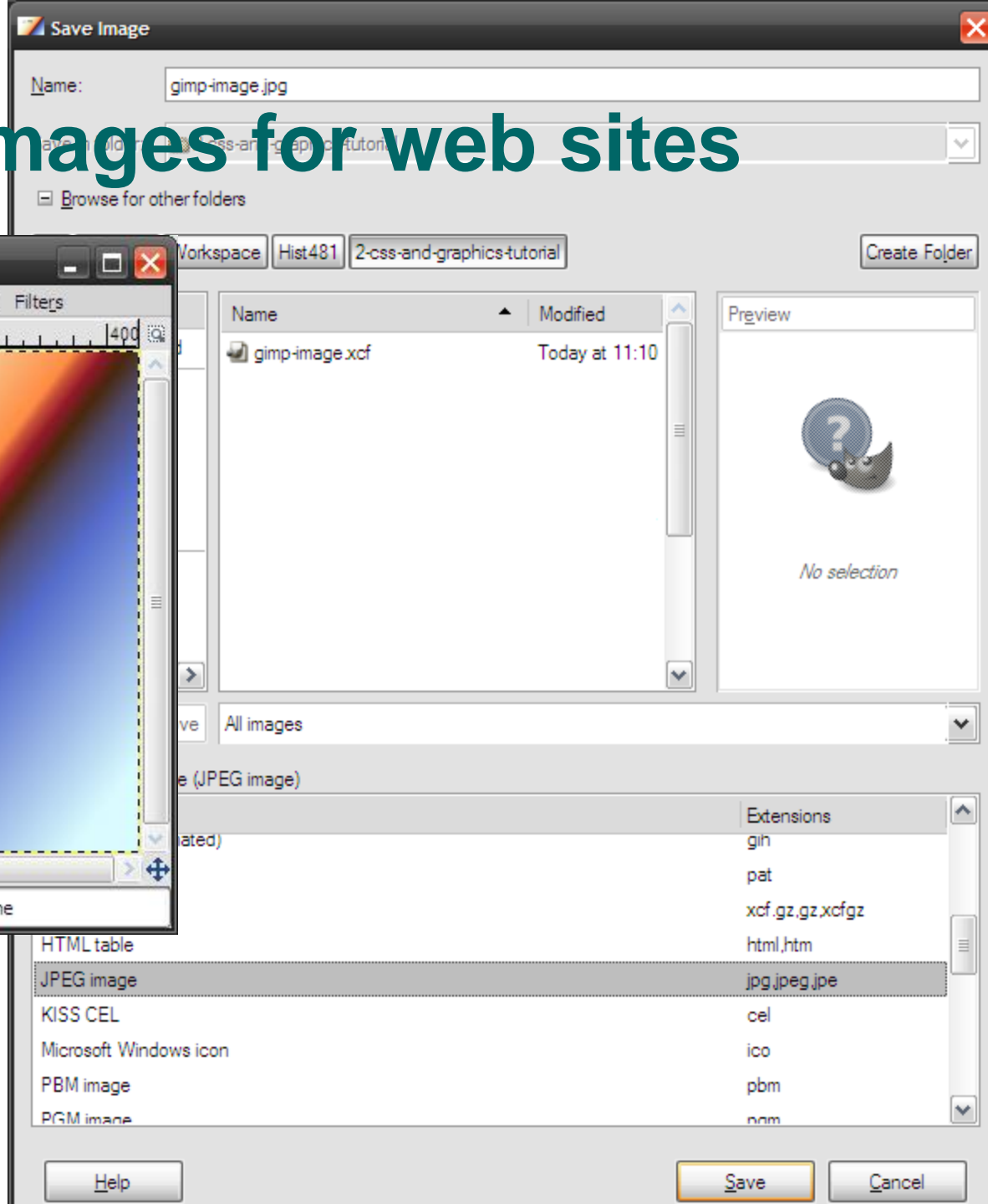
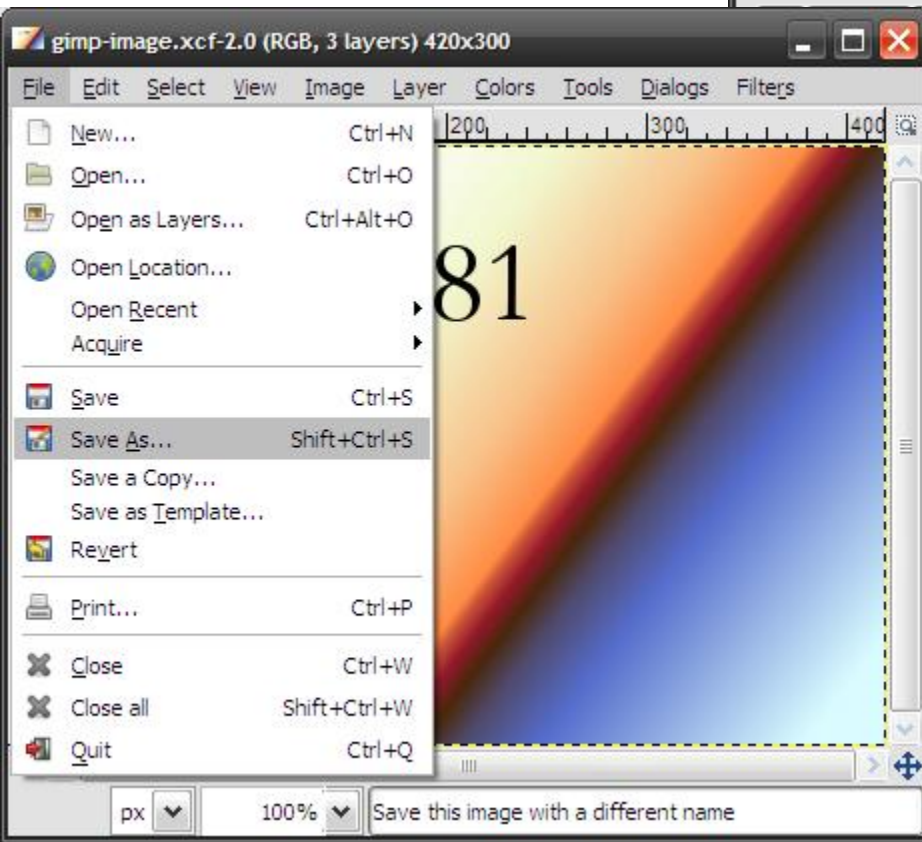
Example:



Saving images for web sites

- Three popular formats:
 - GIF: supports max. 256 colors, 1 transparent color; used for small icons; offers loss-less compression
 - JPEG: supports millions of colors; offers *lossy* compression but no transparency
 - PNG: supports millions of colors and transparency; offers loss-less compression

Saving images for web sites

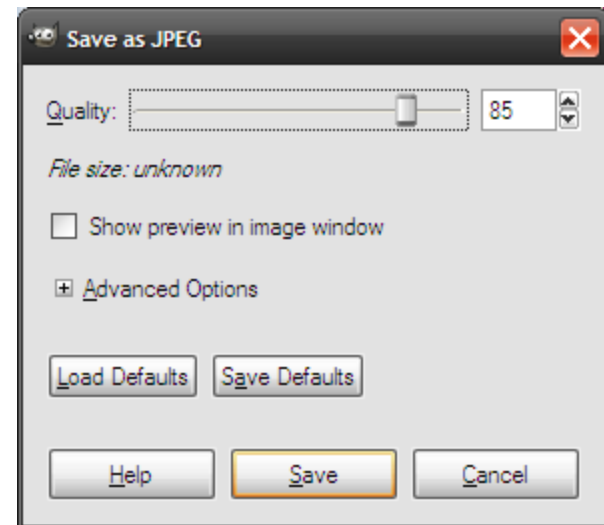
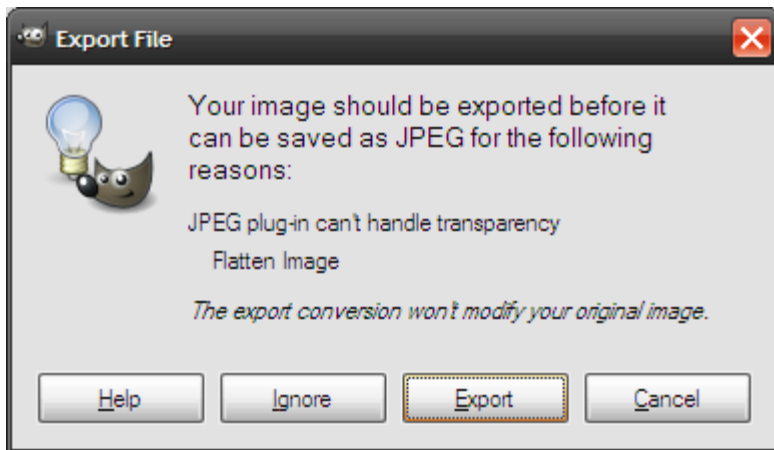


Use the File menu to save your image as JPEG.

Saving images for web sites

As mentioned, JPEG does not support transparent. If our image uses transparency, we'll see this dialog. Click Export to continue.

100% offers no compression. 85% quality offers good compromise between compression and image quality.



GIMP Resources

- GIMP documentation:
<http://docs.gimp.org/en/>
- GIMP Tutorials:
<http://www.gimp.org/tutorials/>