



<http://www.nwacco.org/card/>

Resources – Digital Image Compression

- » <http://www.html5rocks.com/en/tutorials/speed/img-compression/>
- » https://en.wikipedia.org/wiki/Image_file_formats
- » <https://developers.google.com/web/fundamentals/performance/optimizing-content-efficiency/image-optimization?hl=en>

Digital Image Editing Basics



TECHNOLOGY

Fundamentals of creating, editing and sharing digital images.

PURPOSE

Digital images originate from a variety of sources (digital cameras, scanned images, saved images from the web, or screenshots from a computer) and are useful for courses.

Key concepts

- » Digital images are composed of a grid of pixels (diminutive illuminated squares)
- » Resolution - number of pixels per displayed inch (ppi) or dots per inch (dpi) of a printed image
- » Image size or pixel dimensions convey total number of pixels used in an image. An image used on a web page may only be 300 px wide, while an image suitable for print might be closer to 3000 px wide
- » Start big - you can always scale down.
- » Common tasks: cropping, rotating,

resizing, enhancing images, creating montages or saving to the web.

PROCEDURE

Tools for working with digital images:

- » Photoshop - industry standard image editor
- » Gimp - free and Photoshop-like
- » Mac users - OSX comes with Photo app
- » Cloud based - Pixlr, Google Photo

Storing images: Flickr, Google Photo, iCloud

Sharing images: Instagram, Flickr

CONSIDERATIONS

Web photos may be copyrighted. Consider Creative Commons licensed photos. Be sure to indicate clear usage rights when sharing.



BEGINNER

Find out more at » nwacco.org/card/imagebasics



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References – Digital Image Editing Basics

- » Cofield, Melanie. "Digital Imaging Basics - Introduction." Digital Imaging Basics. UT Austin, 2005. Web. 10 July 2015. <<https://www.ischool.utexas.edu/technology/tutorials/graphics/digital/>>.
- » "7 Things You Should Know About Online Media Editing." Educause ELI (2010): n. pag. Oct. 2010. Web. 10 July 2015. <<http://www.educause.edu/library/resources/7-things-you-should-know-about-online-media-editing>>
- » Digital Imaging Tutorial - Basic Terminology." Digital Imaging Tutorial - Basic Terminology. Cornell University Library, 2003. Web. 10 July 2015. <<https://www.library.cornell.edu/preservation/tutorial/intro/intro-01.html>>.