

Image Glitching

Tutorials, Resources

<http://www.glitchet.com/resources>

<https://phillipstearns.wordpress.com/glitch-art-resources/>

<http://danieltemkin.com/Tutorials/>

<https://www.youtube.com/playlist?list=PLE7F731BE271DC5D4>

<http://blog.animalswithanimals.com/2008/08/databending-and-glitch-art-primer-part.html>

<http://creative.colorado.edu/~keho2869/glitch/Vernacular-of-File-Formats.pdf>

Tools

Online

<http://snorpey.github.io/jpg-glitch/>

<https://hexed.it>

OSX

Hex Fiend - ridiculousfish.com/hexfiend

iOS (iPhone, iPad)

Glitché

Glitch - <https://itunes.apple.com/us/app/glitch/id968430091>

Windows Phone

Image Glitch - <https://www.microsoft.com/store/apps/photo-glitch/9nblggh0g623>

Windows

Image Glitch - <https://www.microsoft.com/store/apps/photo-glitch/9wzdncrdnhmd>

XVI32 Hex Editor - www.chmaas.handshake.de/delphi/freeware/xvi32/xvi32.htm#download

Technical

Best File Types:

- BMP
- JPEG
- TIFF
- RAW

File conversions and translations:

- Channels (R, G, B)
- Interleaved vs. Non-interleaved

Glitching in Practice

Image translations via various programs

Text Edit

Image file > text editor > edit/break > image file editor

Bitmap (.bmp) In a text editor copy > paste a bit of the image data over and over. (irreversible databend)

The BMP color palette uses the interleaved RGB color model. In this case, a color depends on different intensities (from 0 to 255) of the primary additives - RGB colors. A color is thus defined by the final intensities summed of R+G+B. When you copy-paste the image data, the intensity data From B can (for instance) shift to the R, creating sudden discoloration.

Photoshop RAW

Open an image file (JPEG--Make note of the original pixel dimensions of the file!) and save it as a Photoshop Raw file.

- Save As
- Header: 0
- Interleaved or Non-interleaved

Open: 3-channel interleaved RAW document as a 1 channel (1 color) interleaved document. ("reversible databend")

Open: 3-channel interleaved document but entered a slightly smaller value for the width. ("reversible databend")

Open: 3-channel interleaved RAW document as a 3 channel non-interleaved 8 bit document. ("reversible databend")

Open: 3-channel interleaved RAW image in Microsoft Word (Text Only) and save. This technique reformats the image data into a Microsoft Word document, changing some of the values and adding / deleting some extra data.

(Stallio's Wordpad effect) (irreversible databend)

Open: 3-channel noninterleaved raw document with smaller height – try 4 to 6 pixels less (databend, reversible) - needs to be more for higher res files

Open: 3-channel noninterleaved document, enter a slightly smaller value for the width (1 or 2 pixels) (reversible databend)

Open: 3-channel noninterleaved RAW document with a much smaller width (reversible databend)

Open: 3-channel noninterleaved RAW image in Microsoft Word (Convert to Text Only) and saved it (wordpad, textpad and other text editors). (irreversible databend)

Audacity

(Image Glitch via audio filters)

1. Save a file as RAW or BMP or TIFF
2. Open Audacity
3. File > Import > Raw Data
4. Encoding: U-Law or A-Law / Big Endian / 1 Channel (mono)
5. Select from 5 second mark to the end
Effect > Invert, Reverb, Reverse, Wahwah, Compressor and Echo
6. File > Export
 - a. Add proper file extension
 - b. Other uncompressed files
 - c. RAW (header-less)
 - d. U-Law or A-Law > Save.