

Miscellaneous Notes

- Using the Highlight composite operator produces Display PostScript errors. Such images cannot be saved.
- EPS reps are converted to TIFF before being copied to the pasteboard.
- Error-diffusion routines need to take into account pre-multiplication for images with an alpha channel.
- Setting Floyd-Steinberg and Match Source in the Preferences and opening a 24 bit picture results in the Image Inspector reading 24 bit, Floyd-Steinberg, with Floyd-Steinberg disabled.
- The background color may not match that chosen by the user when the background is partially transparent.
- PICT with alpha needs to be pre-multiplied/unpre-multiplied.
- Special parameters are needed to make Group III 2-D and Group IV encoding work properly.
- Other NeXT applications on NeXTstation Color machines do not display 4-bit gray TIFFs correctly. This is not a bug with the files produced by Pixel

Magician. It is a bug in the NeXT code that displays 4-bit gray TIFFs on NeXTstation Color machines.

- NeXT Compatible setting does not override writing a paletted file.
- Match Source does not override paletted/non-paletted status when using the Convert Window.
- Failed registrations produce no warning panels.
- Width and Height fields in the Image Inspector aren't updated properly when doing an Apply with Proportional ON.
- The Grab service malfunctions with pictures with an alpha channel (picture will come out wrong, or Grab will hang). This does not appear to be a problem with Pixel Magician. Grab also has problems with the alpha channel in other applications. Pixel Magician's grab routines are superior in this respect—they do not have this problem.
- Copying to the Pasteboard always occurs at 72dpi.
- When grabbing on a non-NeXTdimension system and saving the file with LZW and Predictor set, the save is aborted because the bps \neq 8. The user is given an error panel, but there is no chance to adjust the TIFF options. This is not fatal since the file is saved to **/tmp**, and the Image Inspector does indicate the exact location of the file.
- TIFF files are always assumed to have resolution in terms of dpi. Dots per centimeter is not supported. Treatment of the No Unit case could also be more intelligent.

- After quitting and restarting the program, the selected directories in the Convert window may not be visible, *i.e.*, it may be necessary to scroll down in the browsers to see one or both of the selected (and highlighted) directories.
- Typing certain characters into the Registration fields can cause the ^ainput handler^o to exhibit strange behavior. This is NeXT TextField object bug.
- Alpha channel in EPS/PS files is not rasterized properly. Basically, its effect is covered away.
- Pixel Magician does not handle alpha channel data in ILBM or JFIF files.
- Pixel Magician does not write 24bit RGB IFF/HAM files.