7. ICS Color Correction

The best method for color correcting images using ICS is while scanning with software that does support ICS directly. Scanning software with ICS enabled will automaticly color correct images while scanning.

If your scanner software does not support ICS or you want to batch convert multiple images over night, you can use the `ICSConvert` program. Simply start `ICSConvert` and select the source image file and the name of the corrected image file.

`ICSConvert` does offer many different many options in order to make correcting images as easy as possible. The program can be started from Workbench or from a Shell.

`ICSConvert` also does memorize your selection for the last file converted in a file named `ICSConvert.prefs` in the same drawer. Next time you start `ICSConvert` again, the last selections will be offered as default. Note: the `ICSConvert.prefs` setting file used will also be renamed if you change the name of `ICSConvert`.

ICSConvert can load the same image file file formats as `ScanTarget`. Similar to `ScanTarget` there is usualy not much memory used for converting very large image files.

Corrected images are always stored using IFF ILBM 8 bit (gray) or 24 Bit (color) by `ICSConvert`.

7.1 Starting ICSConvert from Workbench

Following methods can be used to select files for color correction when starting ICSConvert from Workbench:

- A simple double click will start ICSConvert and a file requester for the input images will appear (unless you used the FROM tooltype, but this will be discussed shortly below).

  Note: you can select multiselect image files in the file requester using the Shift-Key while selecting files using the mouse.
- You can also first select the input image icon(s) on the Workbench and that start `ICSConvert` while still holding down the Shift-Key (or select the `Open` Workbench menu item instead of double clicking `ICSConvert`).
- You can define an input source image file using the `FROM` tooltype. This is especialy usefull if a source image is always stored at the same location for correction.

Following tooltypes can be defined using the Workbench Information menu item after single clicking the ICSConvert icon:

`PUBSCREEN` All windows are opened directly under your mouse pointer, so you do not have to move or scroll the screen to control the program. All windows are opened on the default public screen. You may specify a special public screen by setting the Tool Type `PUBSCREEN=<screen name>`[1] and the ICS preferences program will open its windows on your application's screen. If you run the preferences program from a Shell you can specify a screen with the `PUBSCREEN` option.

`FROM` The argument `FROM=<outputfilename or drawer>` allows you to specify an input filename for correction. If a drawer is selected, the filerequester showing the specified drawers content will appear for selecting the source images.

`TO` The argument `TO=<outputfilename or drawer>` allows you to specify the output filename for correction. If multiple input files are specified, `TO` must point to a drawer instead of a file. A filerequester will appear showing the selected drawer if only a single source image was selected.

`PREFS` You can use the `PREFS=<filename>` argument to select an ICS setting file stored by the `ICSPrefs` editor (use the `Save As` menu). The settings saved in the preferences files are only used for converting the selected images. The setting are not saved by ICS. So you can color correct images for various scanners simultaniously without having to alter the global ICS preferences.

`SETUP` Set this keyword if you want ICSConvert to show the ICS preferences editor prior to converting the images using the preferences made.

`NOSTATUS` Set this keyword in order to not show the progress window. This will cause ICSConvert to convert images silently in background without any window on your screen.

[1] The screen name is case sensitive.