

# Release Notes 4.1



## **INTRODUCTION**

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This document describes the changes between ColorSynergy version 4.0 and version 4.1. These changes are organized into the following categories:

- Features
- Bug Fixes

Please refer to the User Guide Addendum for a more complete description of the new features.

## **FEATURES**

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### *CUSTOM PHOTOSHOP WORKING SPACES*

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ColorSynergy now provides the ability to create custom working color space profiles for use with Adobe Photoshop 5.0. Color measurements are loaded from profiles and/or palettes, and a working space that minimally encloses those colors is exported as an ICC device profile. You can also evaluate existing standard RGB working spaces, thereby helping you decide which might be best suited to your needs.

### *DIGITAL CAMERA PROFILES*

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The rectangular marquee used to identify the Macbeth ColorChecker chart when creating a Digital Camera profile has been replaced with a template of the chart, making it easier to precisely specify the location of the chart in the image.

Improvements have been made to digital camera profiles, making them more robust under a wider variety of conditions.

### *COLOR OVERLAY*

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A transparent region has been added to the Color Overlay plane so that small color differences will not visually clutter the display.

### *SIZEABLE WINDOWS*

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You can now change the size of the window when Previewing and Editing profiles.

### *OPENING EDITED CMYK PROFILES*

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Another feature added to ColorSynergy is the ability to enable or disable profile edits when setting black

generation parameters after opening a CMYK output profile.

## *INSTRUMENTS*

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There have been changes in the interfaces to X-Rite's DTP41 and DTP41T spectrophotometers, and to Color Savvy's ColorMouseToo! series of instruments.

Due to changes in the DTP41 test patterns, patterns made with 4.0 can not be measured with 4.1, and must be re-printed.

## *COLOR MATCHING IMPROVEMENTS*

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Some subtle changes have been made to the underlying color matching algorithms of ColorSynergy. One side effect of this is that the native ColorSynergy profile format has changed for color display and output profiles. However, all your existing profiles can be used with ColorSynergy 4.1. When existing profiles are read, they will be automatically converted to the new format. The conversion process takes a little time, so ColorSynergy also automatically updates the saved version of the profile when this occurs, so that you won't have to wait for the conversion every time you use an old profile. That is, after an old profile has been accessed once, it becomes a new profile. This does mean, however, that you may notice that the modification dates on your existing ColorSynergy profile files have changed, even if you never explicitly saved the files. The original file creation dates are preserved.

If this process concerns you, you may wish to backup your existing profiles before you use them with ColorSynergy 4.1. However, there is really no need for concern. Profiles in the new format can

also be used with older versions of ColorSynergy (although they will give slightly different results).

## **BUG FIXES**

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A few bug fixes are also included in this release.

### *PROFILE EDITING*

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When an editing session was finished, the "About ColorSynergy" menu item became disabled.

If the Quality level was increased after some edits had been made, there were times when affected portions of the dialog were not immediately updated.

Sometimes there were problems with hue edits that crossed 0 degrees, for example changing a hue of 355 degrees to 5 degrees.

These problems have now been fixed, and some very minor cosmetic changes were made in the Profile Editing dialog.

### *COLOR PALETTES*

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'Match' color information was displayed incorrectly. This bug was introduced with version 4.0 and has now been fixed.

### *IMPORTING ICC DEVICE LINK PROFILES*

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The color output type of an ICC Device Link Profile was sometimes displayed incorrectly when the file was clicked in the "Import Profile" dialog.

There were times when importing a device link profile created a ColorCircuit that had only black output colors. This was an intermittent problem and has been fixed.

### *CMYK OUTPUT PROFILES*

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When a handle on the Black Generation Curve was moved, the 'Black Generation' pop-up menu did not change to 'Custom' as it should have. This bug was introduced with version 4.0 and has now been fixed.

An improvement was made to the tone compression for CMYK output profiles.

