

Tutorial note:

In color-managed applications, like iPhoto® and Photoshop®, all the enclosed **tagged files** will look the same on screen (if color management is on).

Why?

Because ColorSync, Adobe (ACE), the Color Management Systems (CMS) is converting the file's tagged/embedded SourceSpace into the viewing monitor's ColorSpace.

In **UNcolor-managed applications** — or otherwise broken workflows — all the tagged files will look different.

Why?

With no Color Management System to honor the embedded profile, and/or to convert the file's SourceSpace into the monitor's ColorSpace — the RGB data is incorrectly “mapped” for the monitor.

In all applications, on screen, two of the three **Untagged files** will be noticeably off — AdobeRGB and either AppleRGB or sRGB.

Why?

The \*Untagged Adobe RGB (1998), on screen, will be bad because it has nothing to do with monitor ColorSpaces.

Further, either the Untagged 1.8 gamma Apple RGB ColorSpace or the 2.2 gamma sRGB space will be bad — depending on the viewing monitor's gamma.

*\*Untagged AdobeRGB will look correct in Photoshop if Photoshop's Working RGB is set to AdobeRGB.*

More on basic color management:

<http://www.gballard.net/psd.html>