

Nikon Capture NX "How To..." Series

Article 28 - How to change the color profile for multiple images.

Purpose: The color profile for multiple images can be changed at once using the batch process.

Process:

Step 1 - Create a "pre-processing folder and a "post-processing" folder.

Step 2 - Copy all of the images to be converted to the "pre-processing" folder.

Step 3 - Change the "Color Profile".

Step 4 - Save the change.

Step 5 - Start the "Batch process".

Step 6 - Confirm the color profile of the converted images.

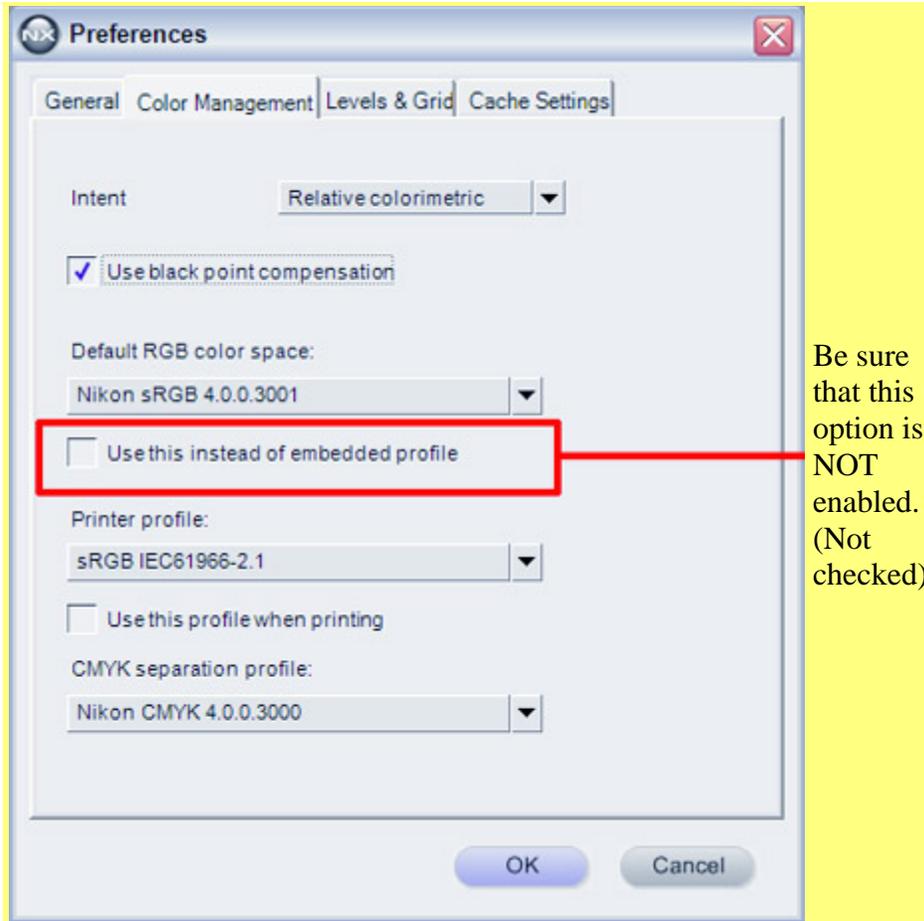
What is a "color profile"?

A color profile specifies the range of colors that can be reproduced in a digital image (gamut) and is embedded in image files. Nikon digital-SLR cameras offer a setting that will allow you to specify the Adobe RGB or sRGB color profile for your images. The color profile may be changed within Capture NX.

Color Profiles Available Depending upon Settings

The color profile for an image varies depending upon the color management settings applied in Capture NX.

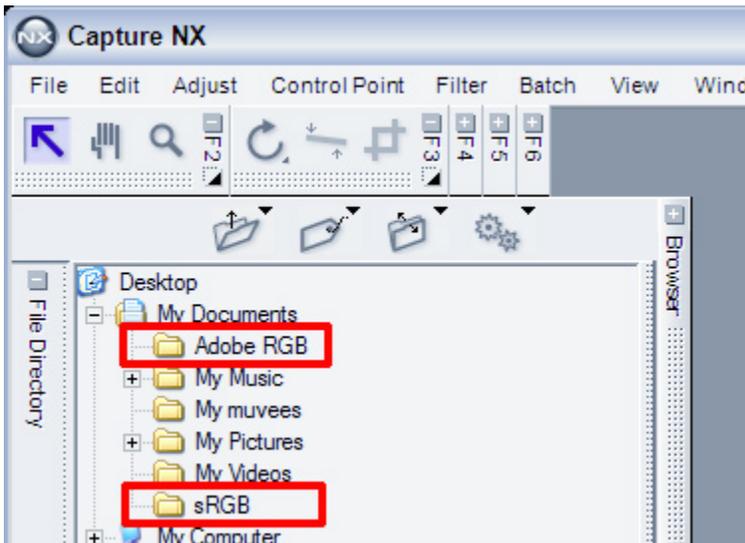
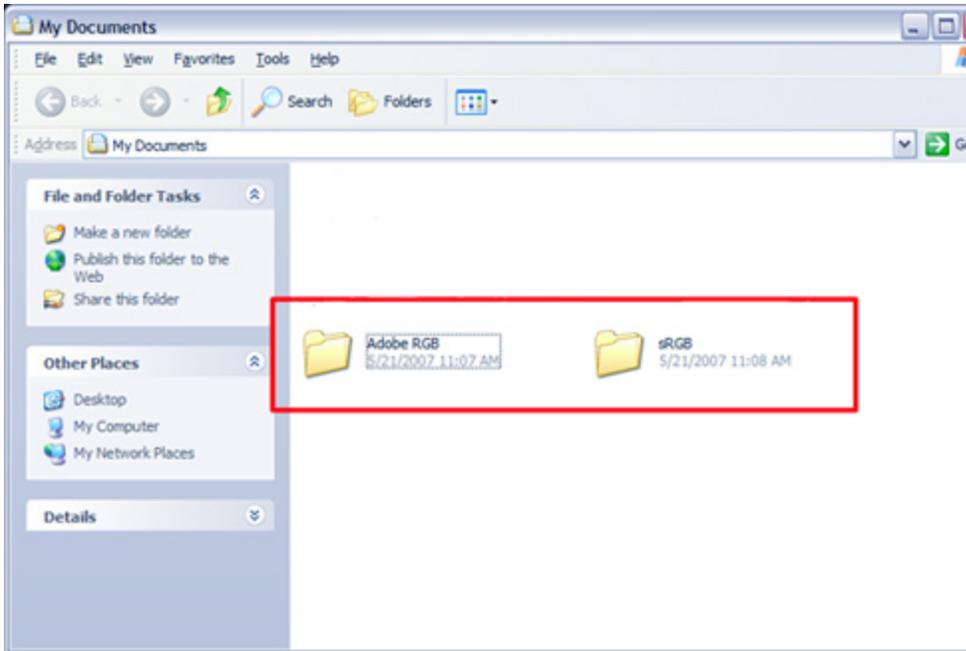
This explanation assumes that images have the Adobe RGB color profile attached. Further, it assumes that the "Use this instead of embedded profile" option in the "Color Management" tab in the Capture NX "Preferences" dialog has not been enabled (not checked).



Step 1 - Create a "pre-processing" and "post-processing" folder.

In preparation for a "Batch Process", create a "pre-processing" and "post-processing" folder. Here we have created two folders and named the "pre-processing" folder "AdobeRGB", and the "post-processing" folder "sRGB".

Create a folder named "AdobeRGB" and another named sRGB.



The new folders will display in the Capture NX File Directory as shown here

Confirming Color Profile

The color profile for an image is displayed at the bottom left of the image window.

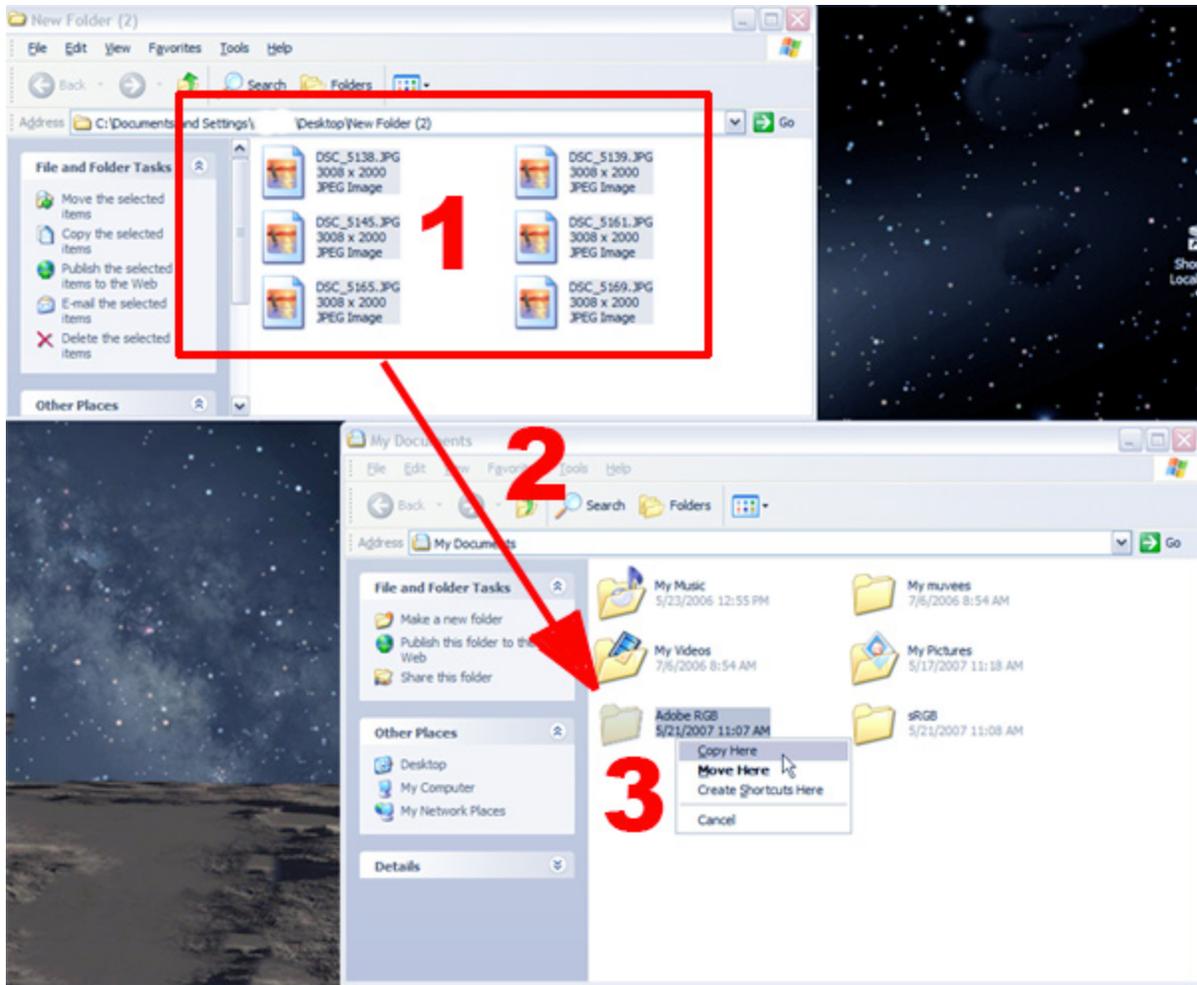


Step 2 - Copy all of the images to be converted to the "pre-processing" folder.

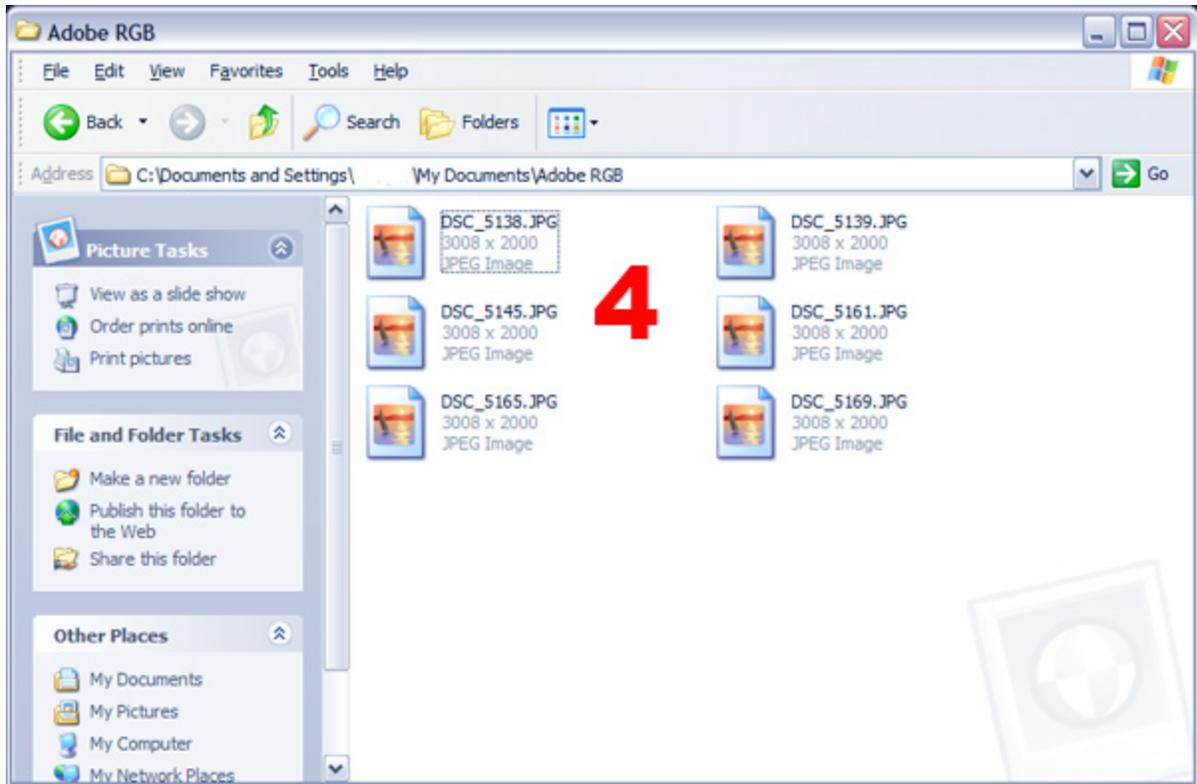
1) Select all images by dragging over them, or choosing Edit / Select All.

2) Right-click and drag these highlighted images over to the other folder, and let go of the mouse button.

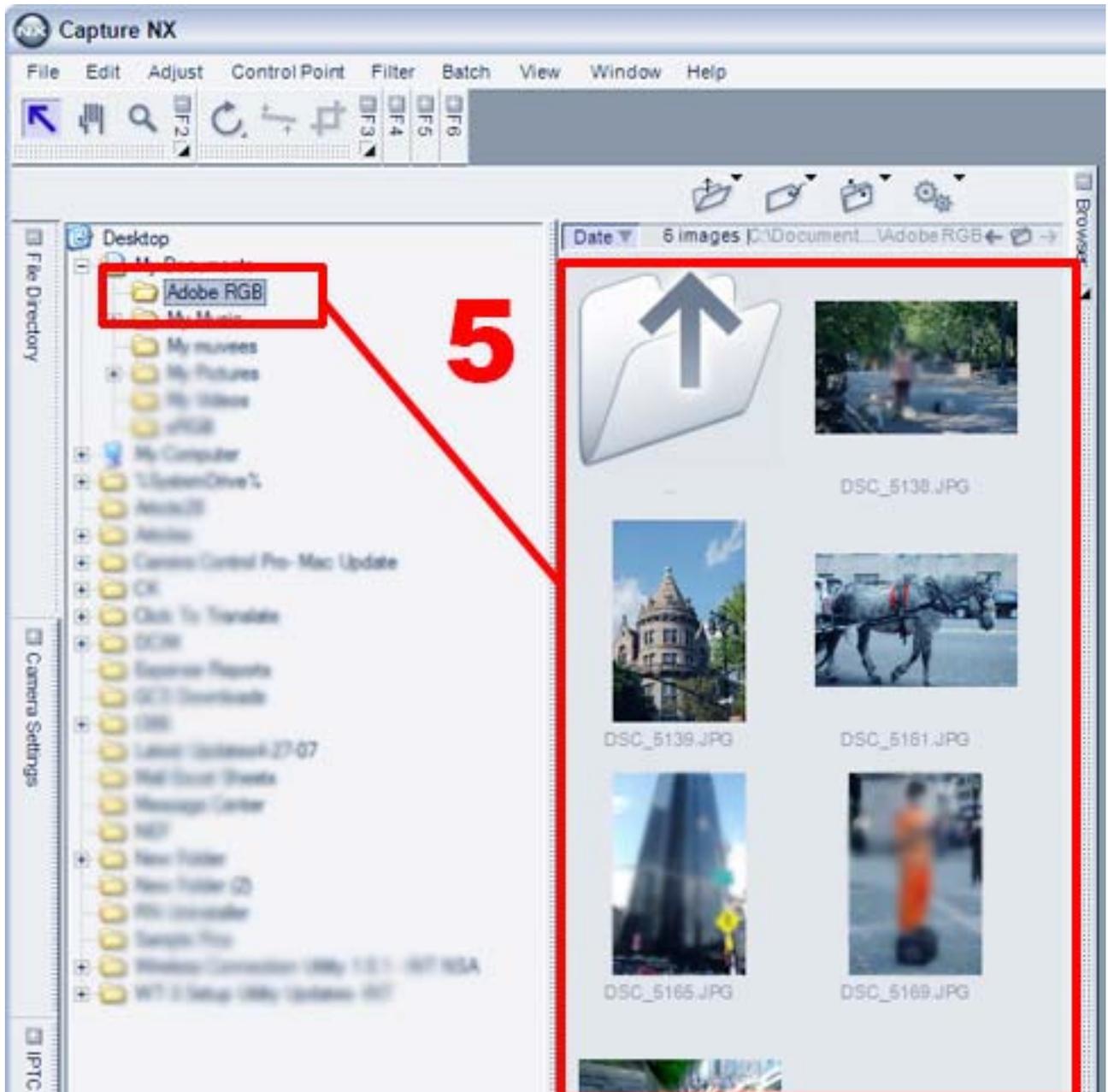
3) A window will appear. "Move" or "Copy" the images to be processed all at once to the AdobeRGB folder created in Step 1. To ensure that original images are accidentally deleted or lost, it is recommended that the images be "Copied" rather than "Moved".



4) Images are copied to the AdobeRGB folder.



5) Start CaptureNX, open the AdobeRGB folder, and confirm that all images to be processed have been copied to the folder.



Step 3 - Change the Color profile

- 1) Open one of the images for which the color profile is to be changed.

DSC_5139.JPG @ 25% | 882.9KB



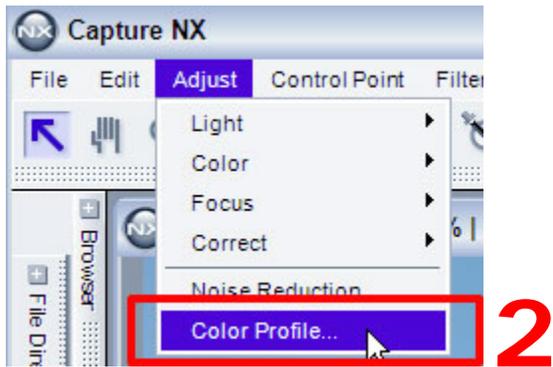
1

Nikon Adobe RGB 4.0.0 3000

Soft Proof Off



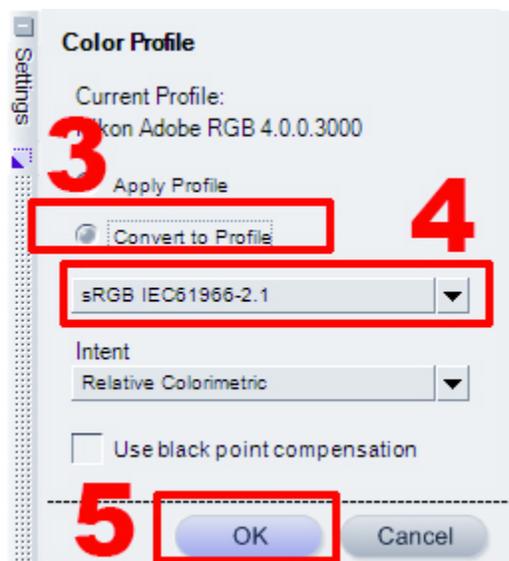
2) Select "Color profile..." from the "Adjust" menu.



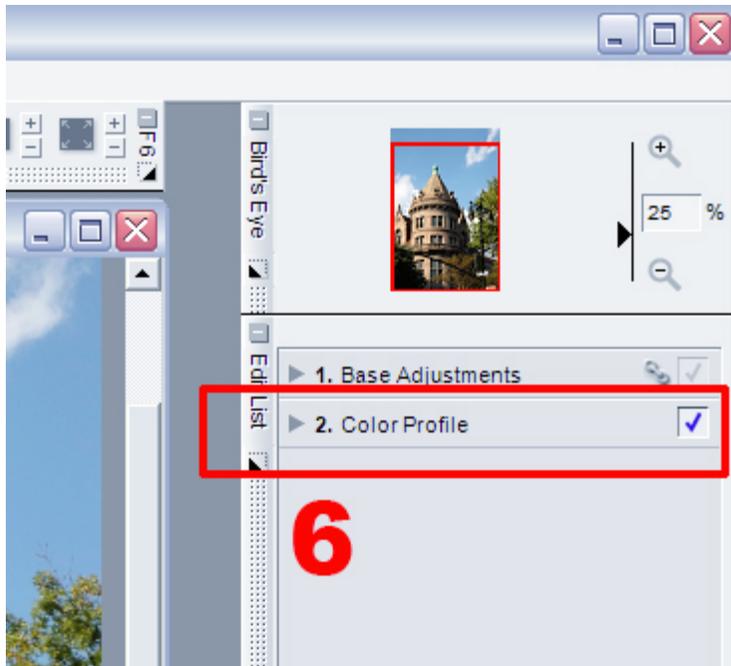
3) Select the "Convert to profile" option.

4) Select Nikon sRGB 4.0.0.3001 from the color profile pulldown menu. "Changing the color profile causes colors in the image to be modified to some degree."

5) Click "OK".

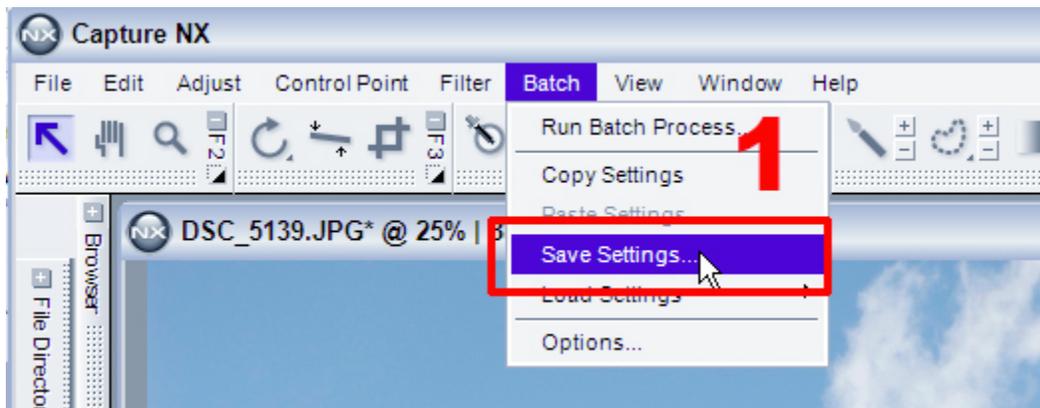


6) A "Color Profile" step is added to the "Edit List".



Step 4 - Save the changes

1) Select "Save Settings..." from the "Batch" menu.

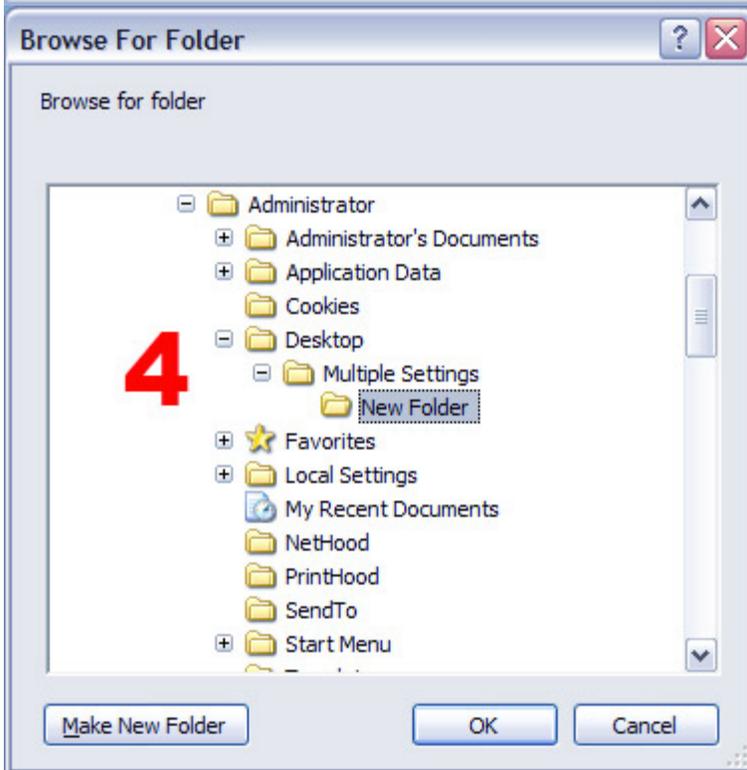
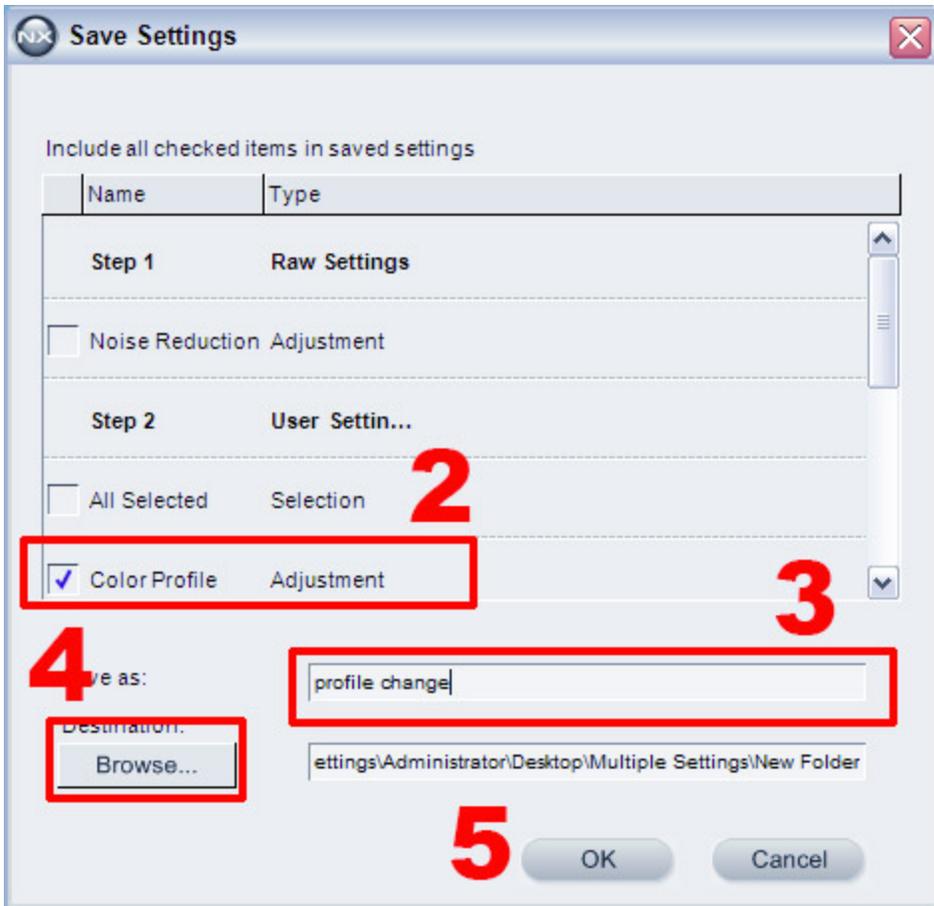


2) The Save Settings dialog is displayed. If a number of enhancements are listed, be sure that only the "Color Profile" item is selected (checked). Deselect any other items that may be checked.

3) Enter a name for the settings file in the "Save as..." text box.

4) Click "Browse..." to choose a destination for the saved settings file. The location of this file will be the same location you use for all your special "Batch" assignments. Pick any location that's easy to remember and access.

5) Click "OK" to save the settings file.

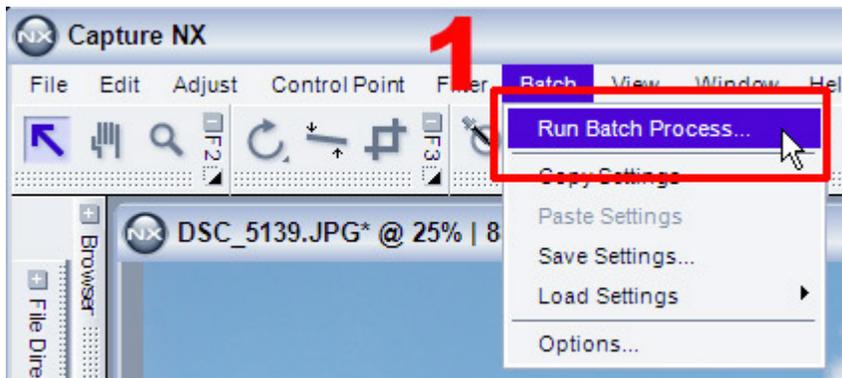


Close the image currently open (it is not necessary to save the changes as a Batch Process will be applied).

A folder is automatically created at the destination specified in #4. The settings file is saved inside that folder. This settings file contains the instructions to convert to the different profile.

Step 5 - Start the Batch Process.

1) Select "Run batch process..." from the "Batch" menu.



2) The "Settings Options" dialog is displayed.

3) Click "Browse..." in the "Source" area. Specify the "pre-processing" folder. Here we have specified the AdobeRGB folder.

4) Check the "Apply settings" option.

5) Select "Use Settings file" from the pulldown menu.

6) Click "Browse..." and specify the settings file saved in Step 4.

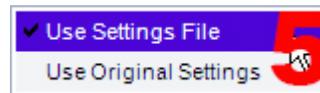
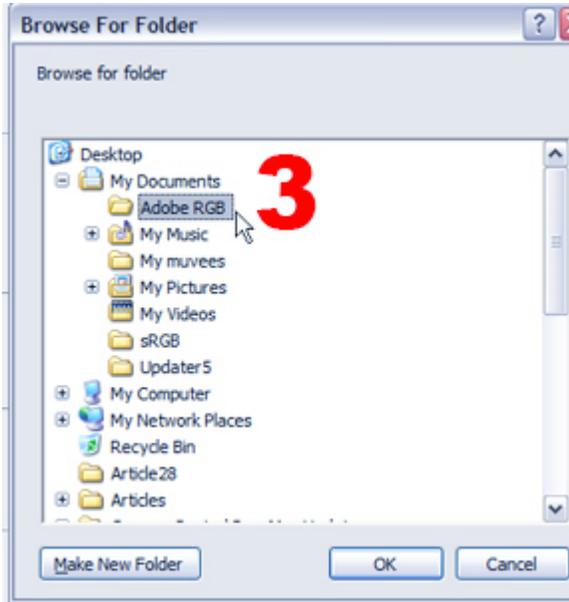
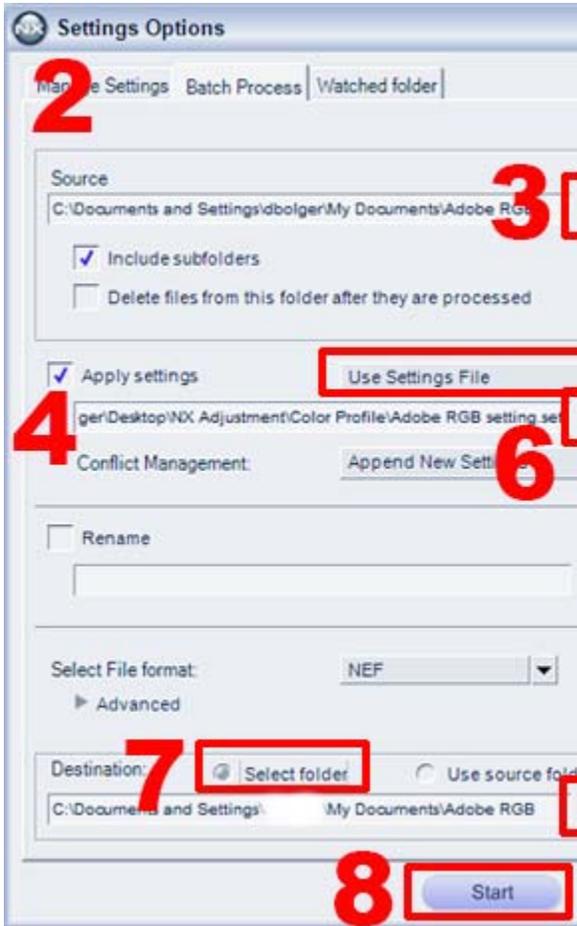
7) Choose "Select folder" in the "Destination" area.

8) Click "Browse..." and specify the "post-processing" folder to which converted images will be saved. Here we have specified the "sRGB" folder.

9) Click "Start" to initiate the Batch Process.

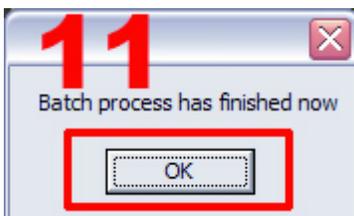
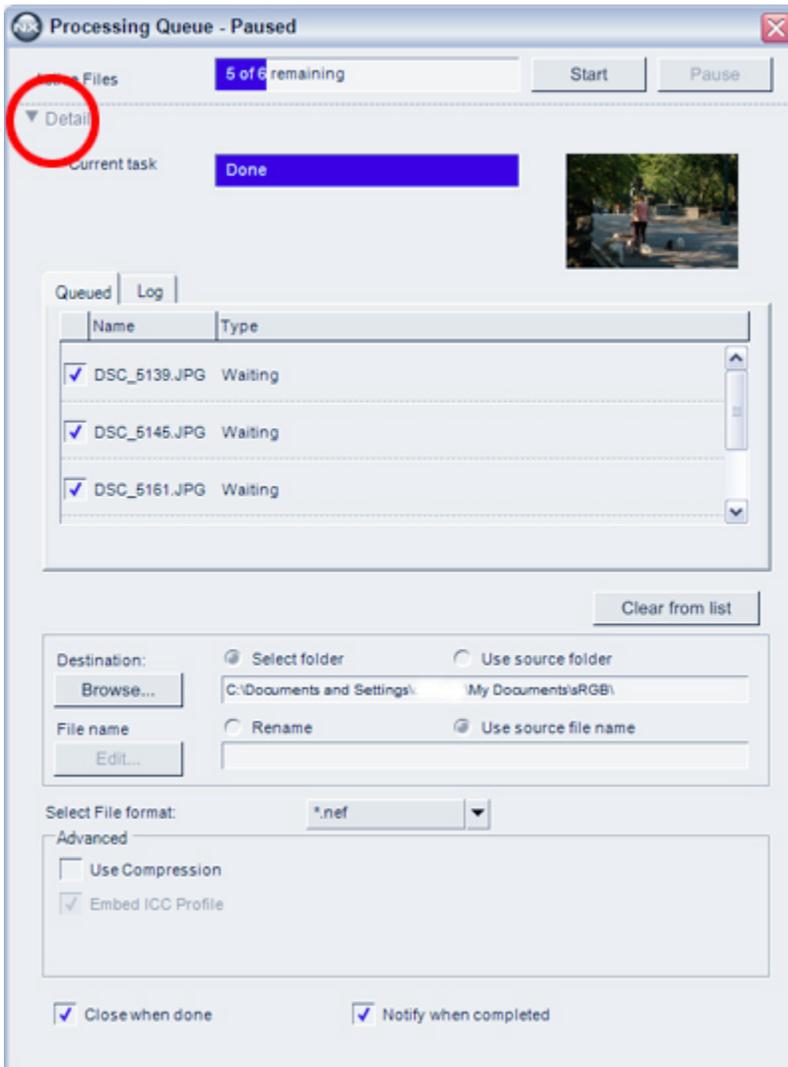
10) The "Processing Queue - Processing Running" dialog is displayed while the Batch Process runs.

11) When the Batch Process is complete, click the close button to close the "Processing Queue - Process Running" dialog. Nikon Capture v.1.1 or later will display a small "Batch process has finished now" window.



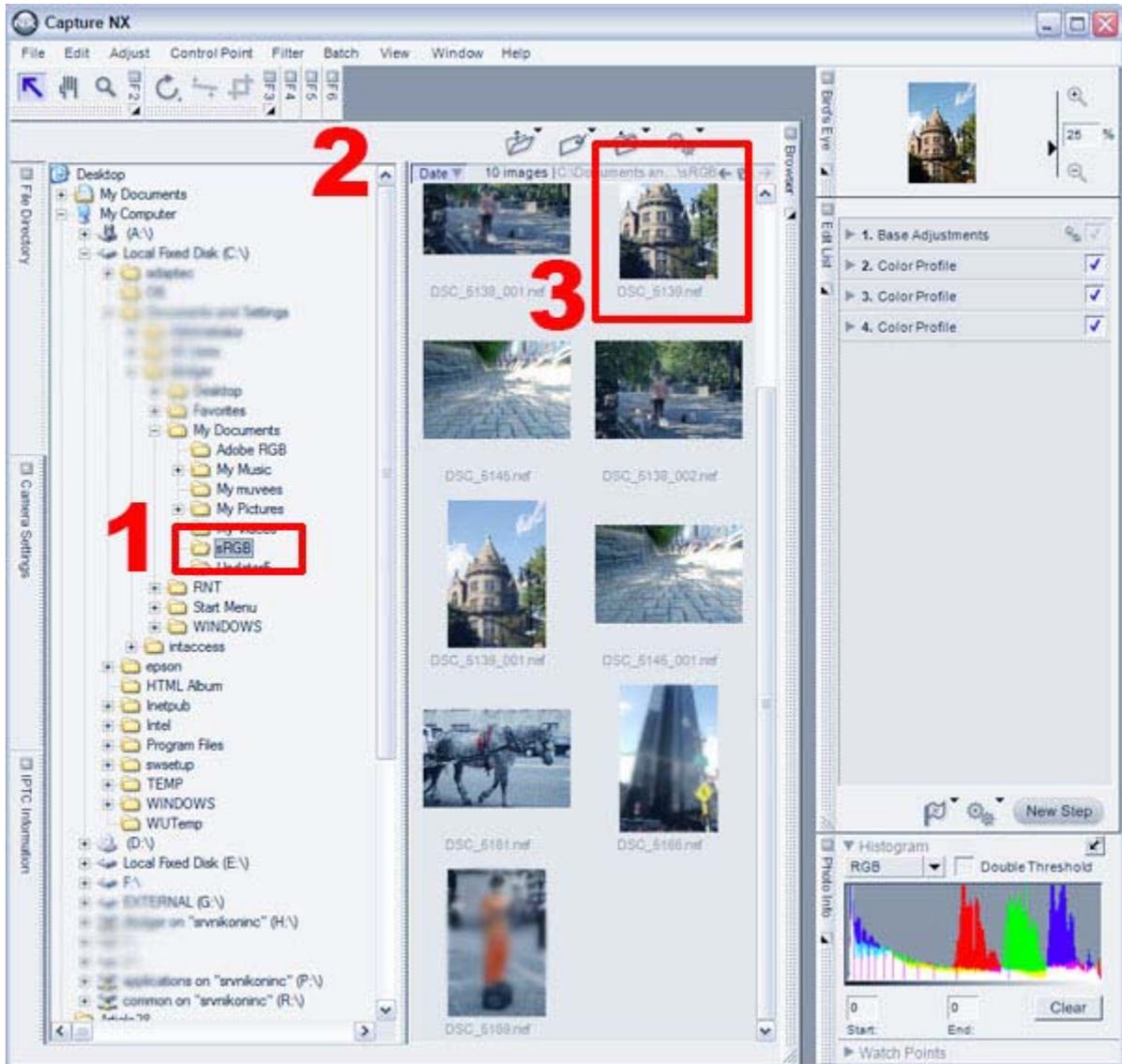


Click on the "Details Arrow" to view the detailed progress window.



Step 6 - Confirm the color profile of the converted images.

- 1) Open the "post-processing" sRGB folder to which converted images were saved from the File Directory.
- 2) Open the Browser.
- 3) Double-click one of the converted images to open it.
- 4) Confirm that color profile displayed at the bottom left of the image window is Nikon sRGB 4.0.0.3001.



4

