

## Printing Films From Photoshop CS5+ Using CorelDRAW

Actually, this should be named "Exporting Files From Photoshop CS5 & Higher" as its no longer possible to apply halftone settings directly within CS5 and most likely all Photoshop versions going forward.



The direct printing of Index, Hard Spot Color (No Tints), Single Channel QuikDraw Images and all Halftone Separations generated using the "No RIP" functions of the program can still be printed directly using CS5+ as these files do not require applying halftone variables to each channel.

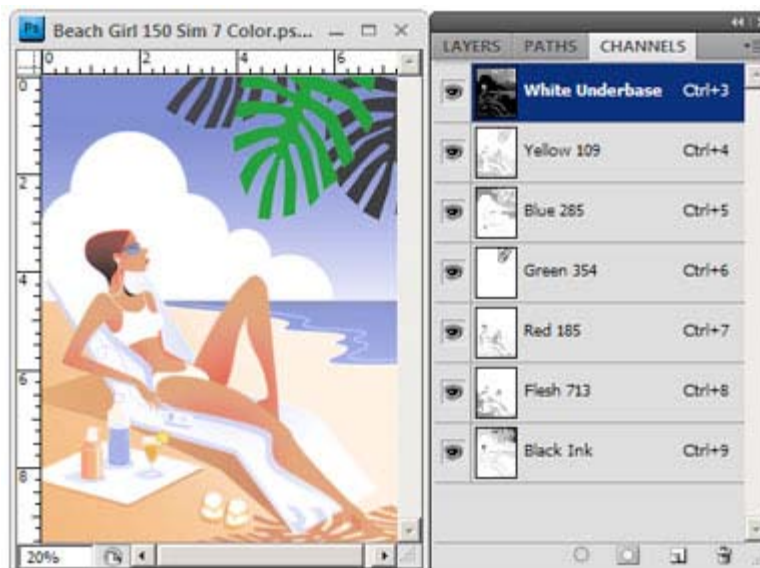
The first matter to address is the most important, which is saving a color separation such as a simulated process, true process, or any file needing specific halftone attributes as a DCS 2.0 file from Photoshop. DCS stands for Desktop Color Separation and is a format based on the EPS file format developed by Quark back in the early 90's. In a nutshell, a DCS 2.0 file "is" an EPS file that also contains spot color channels, such as separations generated within Photoshop.

Much of the information on the internet regarding the saving, placing, importing and printing of DCS 2.0 files I've found to be somewhat inaccurate or confusing. So be careful what you read! We'll try to get it right.

The sample shown is exactly how the file needs to look prior to saving as a DCS 2.0. The RGB channels have been deleted along with the Shirt Background channel.

We also changed the name of the Black Channel to "Black Ink". Doing so will avoid confusion later once imported into the Illustration or Page Layout program for output. Just select the "Black Ink" and completely disregard "Process Black" when choosing colors to print.

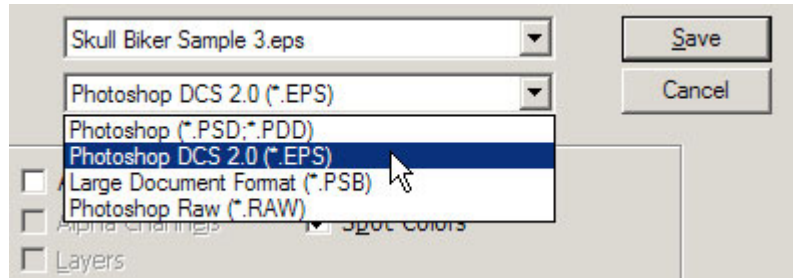
### File Ready To Be Saved In DCS 2.0 Format



From the File Menu  
choose **"Save As"**

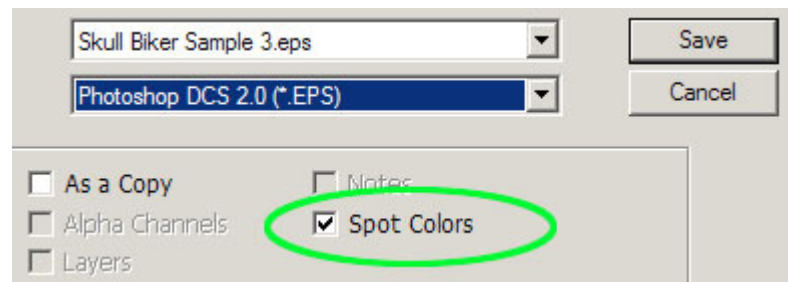


When the Save As dialog  
box appears select  
**Photoshop DCS 2.0 (\*.EPS)**



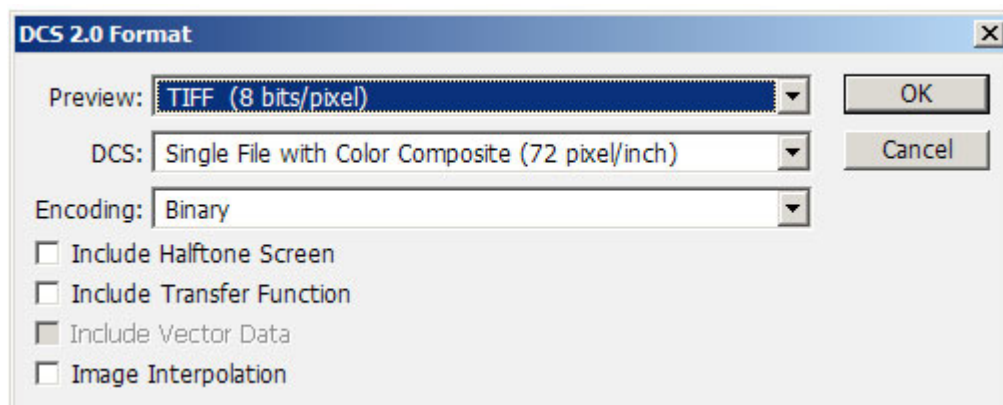
Make sure Spot Colors  
is checked.

Click Save.



When the DCS 2.0 Format Box opens, enter the following settings and click OK:

Preview: TIFF (8 bits/pixel)  
DCS: Single File With Color Composite (72 pixel/inch)  
Encoding: Binary



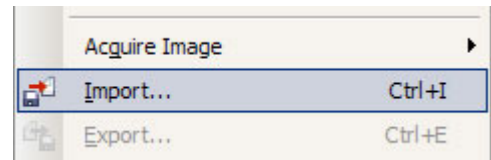
The file is now saved as a DCS 2.0. It will appear as  
an .EPS file since that what a DCS file basically is.



## Printing A DCS 2.0 File With CoreDRAW X5

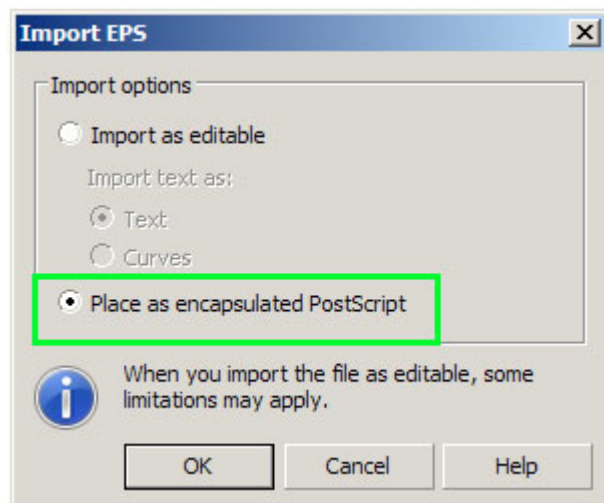
DCS 2.0 files are not “Opened” within CoreIDRAW, they are “Imported” into an existing document.

Launch CoreIDRAW and create a New Document, color mode RGB with an appropriate page size to contain the file.



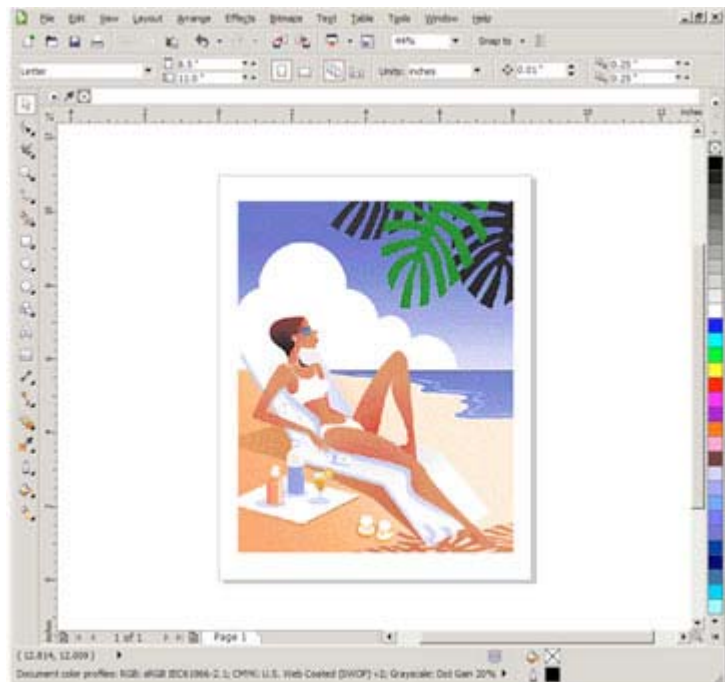
Next select “Import” from the File Menu. When the Import dialog box appears, make sure the file type is set at “All File Formats”. Now locate the DCS File and click “Import”.

When the Import EPS dialog box opens, check the “Place As Encapsulated PostScript” button. Click OK.



The DCS file has now been placed in the CoreIDRAW document.

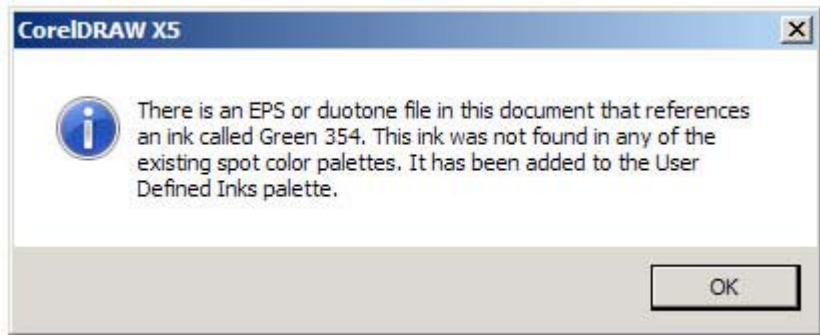
**Don't be alarmed by its appearance! The image might look grainy and pixelated when compared to the preview within Photoshop. This is Normal and is only a low quality screen preview. The separations will print as expected.**



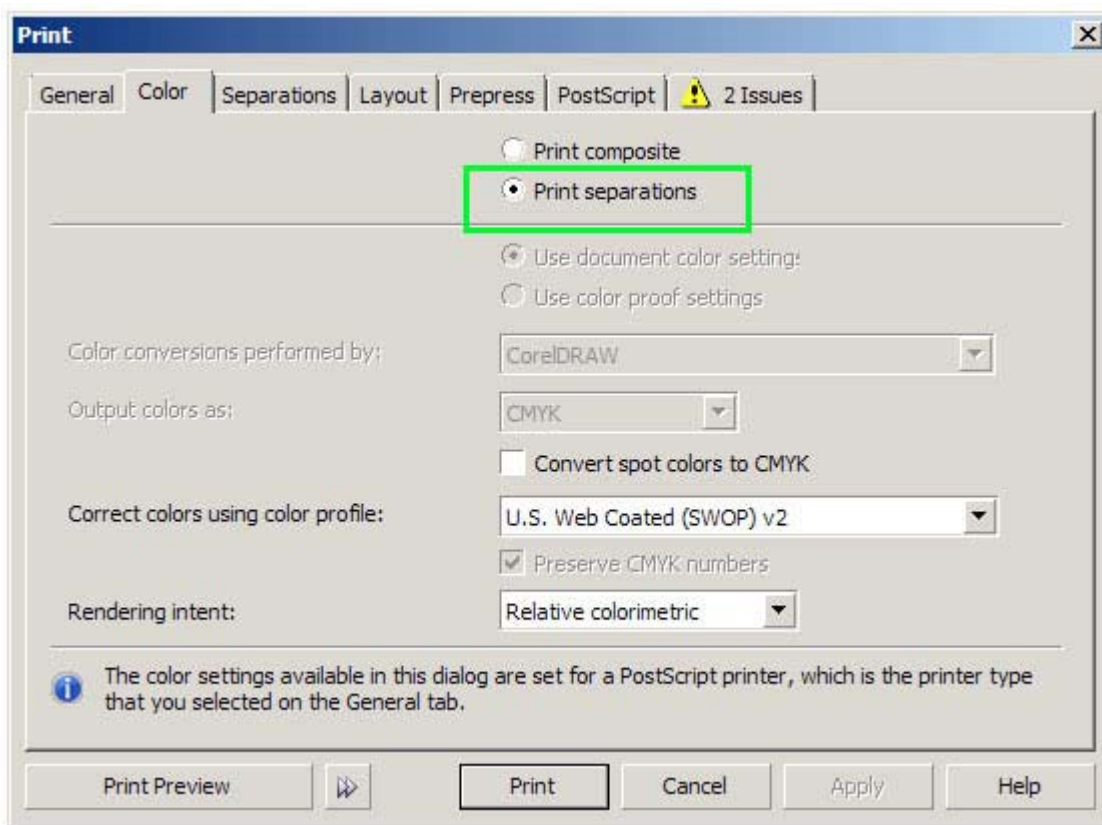
Select "Print".

After doing so, you'll probably get a few alerts similar to the sample here regarding inks not found within the existing color palette.

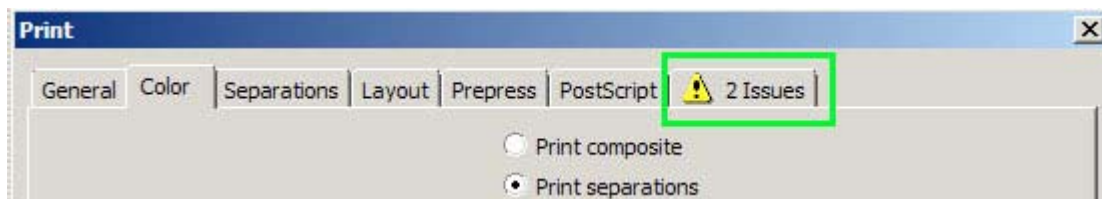
Just click OK for each.



In the "General Tab", make sure the correct Printer, etc. is selected. Next choose the "Color Tab" and click "Print Separations". The Composite Tab has now changed to "Separations".



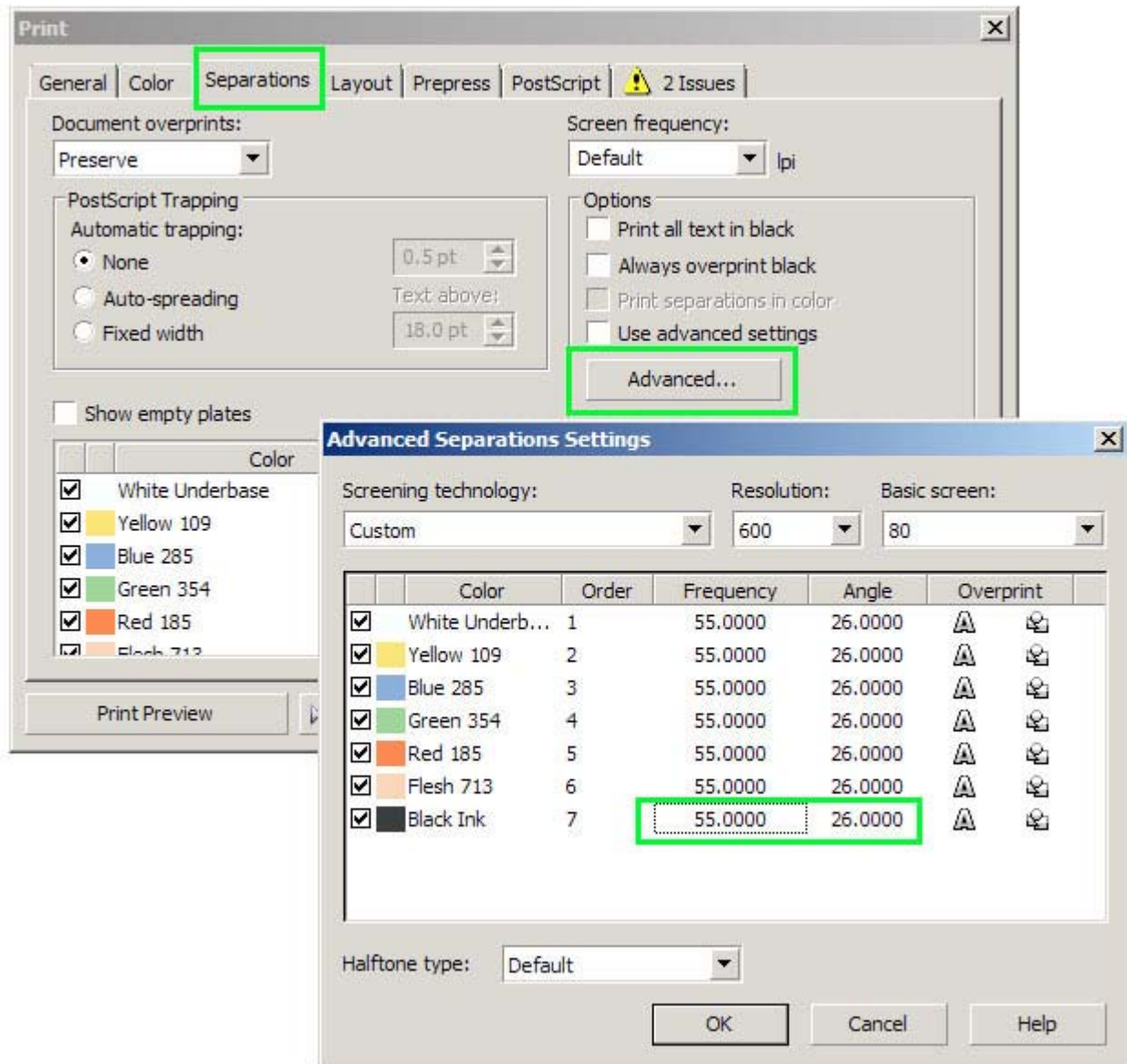
CorelDRAW will most likely post a few "Issues". These can usually be disregarded as most don't relate to screen printing and consist of spot plate and screen angle warnings directed towards offset printing.



Select the "Separations Tab" and click "Advanced".

In the "Advanced Separations Settings" set the "Frequency" and "Angle" for each channel. Click OK.

Click "Print". The separations are now sent to your printer.



Register marks can be added by using CorelDRAW's standard marks in the "Prepress Tab", adding marks to the file using the Actions prior to saving the DCS or create your own custom vector register mark which is a great idea.

Just design a register mark with CorelDRAW using the color "Registration". The mark can then be duplicated and placed exactly where you'd like them and they'll print on each channel. Save the register mark created for use on all files printed from CorelDRAW.