

# Iridesse™ Production Press

## Tips for Using Pink Dry Ink

### Preface

Pink Dry Ink allows you to achieve more accurate color reproduction for image files in RGB format. (especially, in reddish tone). Before you can use Pink Dry Ink in printing a file, you need to convert the color mode of the file by using Photoshop. Photoshop version CC or later (OS - Windows 10/MacOS 10.12 or later) is supported.



Original (RGB)



Convert to CMYK



Convert to CMYK+Pink

For PDFs, Pink plate is viewed and printed in Black, and therefore saturation of pink color can degrade compared to when printing with Pink Dry Ink. In order to view Pink plate in actual colors in Acrobat, you must select the [Tools] -> [Print Production] -> [Output Preview] -> [Show] and then [All]. Since the rightmost image uses Pink plate, you can print this PDF file using Pink Dry Ink.

## Printing Your Image File Converted from RGB to CMYK+Pink with ICC Profile

### Step 01 Adding ICC Profile to Client PC

**Refer**  
For more information on how to download profiles, see "1.2 Downloading Software" in *GX Print Server User Guide-Client Settings*.

**1** Start the web browser on the client PC.

**2** Enter the IP address of Print Server in the address bar and press <Enter>.

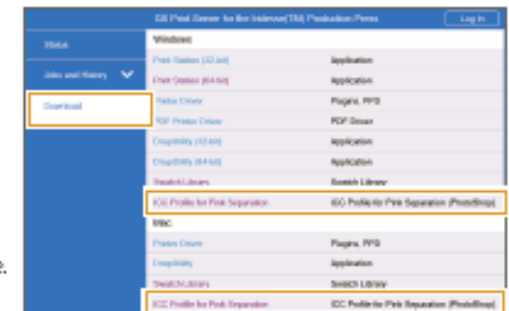
**Note**

If WebManager is not available, copy either one of the following folders on Print Server to the client PC and use it.  
✓ D:/opt/PrintWeb/download/common

**3** Click [Download] > [ICC Profile for Pink Separation].

**Note**

There are separate profiles for Windows and Mac. Select the profile for your OS.



The system starts downloading the ICC profile.

**4** Install the ICC profile on the client PC.

**For Windows**

- 1** Right-click the downloaded file and select [Expand All].
- 2** If necessary, change the target location in which to decompress the folder, and click
- 3** Right-click "Iridesse\_CMYK\_Pink.icc" in the decompressed folder, and select [Install Profile].

**For MacOS**

- 1** Right-click the downloaded file and select [Open].
- 2** Copy "Iridesse\_CMYK\_Pink.icc" in the opened folder to Library/colorsync/profiles.

# Step 02 Changing Color Mode of Your Image File from RGB to CMYK+Pink

Start Photoshop CC, and open a RGB format image file.



Note

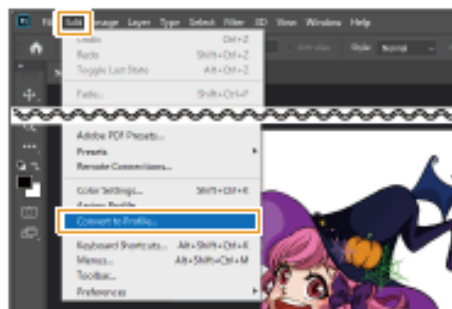
To print it in more saturated color, complete the following steps before converting color mode. However, if [RGB Working Space] is set to [Adobe RGB(1998)], no more saturated color can be achieved.

1. Click [Edit] > [Designate Profile]

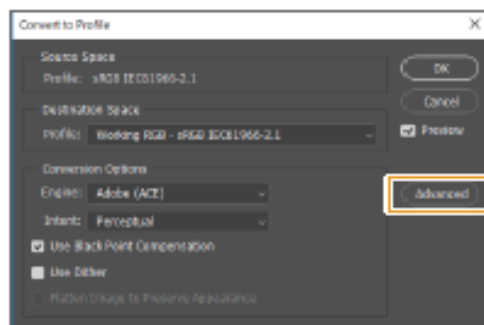
2. Select [Adobe RGB (1998)] in [Printer Profile], and click [OK]

If font data is embedded in your file, for example in PDF, rasterizing the file in Photoshop might result in non-smooth characters. If this occurs, perform rasterization at 600 dpi or higher.

Click [Edit] > [Convert To Profile].



Click [Advanced].

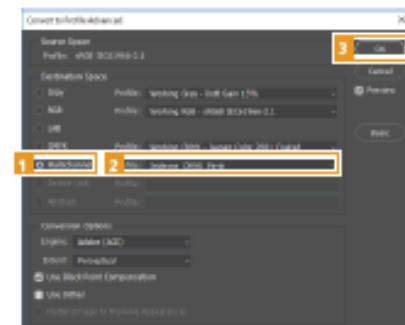


Configure advanced settings.

1 Select [Multichannel]

2 Select [Iridesse\_CMYK\_Pink] in [Profile]

3 Click [OK]



Note

When this task is done in an action, the job may be processed in gray. In this case, select [Multichannel] again.

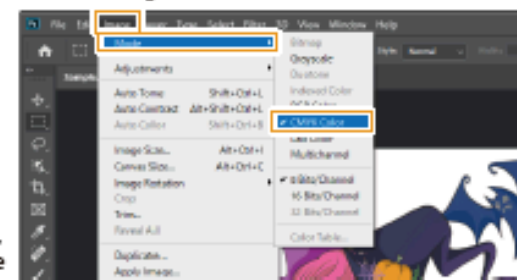
Click [Image] > [Mode] > [CMYK color].

This changes the color mode from "RGB" to "CMYK+Pink".



Note

In RGB, black is converted to K+CMY, and thus printing in pure K cannot be done.



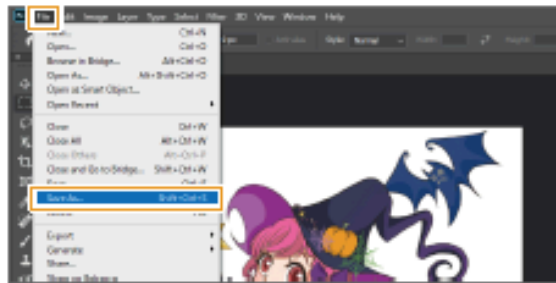
Check the Pink plate.

1 Open the [Channels] panel

2 Check that [Pink] is displayed



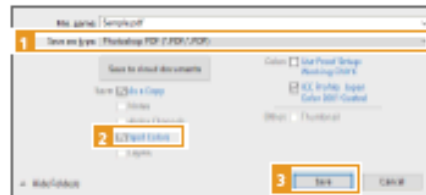
Click[File] > [Save as].



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Set the format in which to save the file.

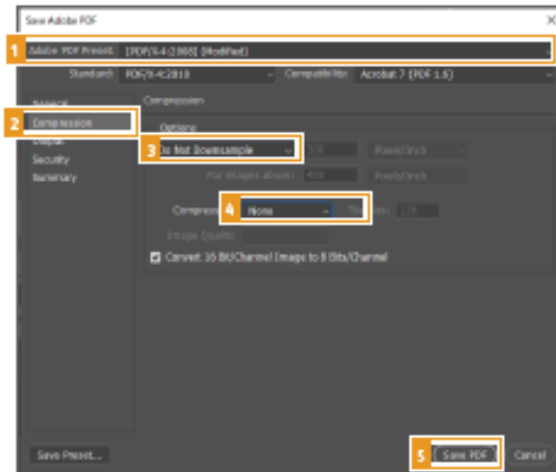
- 1 Select [Photoshop PDF] in [Save as type] ([Format] for macOS)
- 2 Check the [Spot Colors]
- 3 Click [Save]



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Set the PDF format.

- 1 Select [PDF/X-4:2008] in [Adobe PDF Preset]
- 2 Click [Compression]
- 3 Select [Do Not Downsample] in [Options]
- 4 Select [None] in [Compression]
- 5 Click [Save PDF]



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## Step 03 Printing the Color-converted PDF

Import the PDF whose color mode you converted to CMYK+Pink into Print Server.

1



Note

If your workflow requires preprocessing of files, perform it before you import the file.



Refer

For information on how to import files, see "3.4 Import Jobs" in *GX Print Server User Guide - Basic Operations*.

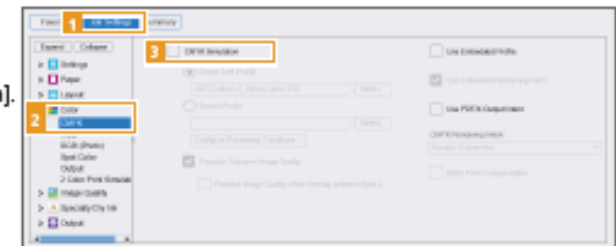
2

Right-click the imported job, and select [Properties].

Configure settings for [Color] in Job Properties.

3

- 1 Click [Job Settings].
- 2 Click [Color] > [CMYK].
- 3 Uncheck [CMYK Simulation].



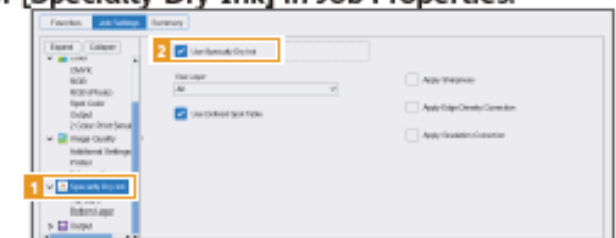
Note

When this box is checked, Print Server performs further conversion of colors that have already been converted in Photoshop, and therefore the reproducibility of the original color (RGB) can degrade.

Configure settings for [Specialty Dry Ink] in Job Properties.

4

- 1 Click [Specialty Dry Ink].
- 2 Check [Use Specialty Dry Ink].



Note

By default, the spot color is set with Pink Dry Ink on the top layer (rightmost, i.e. #1 dry ink). If Pink Dry Ink is installed in the bottom layer (leftmost, i.e. #6 dry ink), change [CMS] > [Spot Color] > [Specialty Color] category > [Pink] setting.

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Configure other settings as necessary, and then print the job.

# Printing the file using spot colors

## Changing spot colors to version compatible with Step 01 Pink Dry Ink

### Prepare spot colors suitable for printing with Pink Dry Ink.

- 1 Select the category for the spot color you want to import, from within the following folders on Print Server.
  - 1 ✓ D:\opt\PrcSrv\utility\AdditionalColorProfiles\SpotColor\ForPink\D1C/  
✓ D:\opt\PrcSrv\utility\AdditionalColorProfiles\SpotColor\ForPink\PANTONE/  
✓ D:\opt\PrcSrv\utility\AdditionalColorProfiles\SpotColor\ForPink\TOYO/
- 2 Copy the folder of the category for the spot color to import, onto the Print Server desktop.

### Back up the spot color you have defined.

- 1 Click [CMS].
- 2 Click [Spot Color].
- 3 Select a spot color whose [Modify] section is checked.
- 4 Click [Export], and then select storage location.



**Note**  
If you change spot colors to version compatible with Pink Dry Ink, the spot color you have adjusted will be overwritten. The backed up spot color is used to restore it.

### Click [Import].

- 3

### Import the spot colors you copied in Step 1.

- 1 In [Select File], select the folder you have copied
- 2 Select the spot color to import.
- 3 Click [OK].

### Note

- Multiple spot colors can be imported at one time. Import the spot colors when the pink toner is first installed.
- Any spot colors for which Pink Dry Ink does not work are not provided.

When the message "Do you want to overwrite and import it?" appears, click [Yes].



## Step 02 Printing the files

### Import files to print into Print Server.



**Note**  
If your workflow requires preprocessing of files, perform it before you import the file.



**Refer**  
For information on how to import files, see "3.4 Import Jobs" in *GX Print Server User Guide - Basic Operations*.

### Right-click the Imported Job, and select [Properties].

### Configure settings for [Color] in Job Properties.

- 1 Click [Job Settings].
- 2 Click [Specialty Dry Ink].
- 3 Check [Use Specialty Dry Ink].



**Note**  
By default, the spot color is set with Pink Dry Ink on the top layer (rightmost, i.e. #1 dry ink). If Pink Dry Ink is installed in the bottom layer (leftmost, i.e. #6 dry ink), change the settings of the spot color to be used.

### Configure other settings as necessary, and then print the job.

# Notes and Restrictions

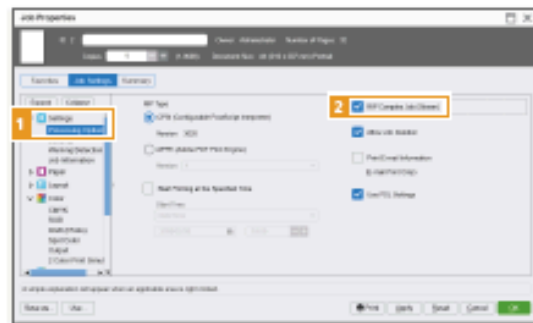
- Print Server version that can use Pink Dry Ink toner is 2.2.1.6 or later.
- When overlaying Pink Dry Ink on CMYK Dry Ink (and vice versa), apply both of them using the top layer (rightmost, i.e. #1 dry ink).
- When you convert the color of a spot color using the Print Server's 2 Color Print Simulation feature, productivity decline may occur during continuously printing. To prevent productivity decline, follow the instructions below.

## When using spot colors such as DIC/PANTONE/TOYO

By using the swatch library registered with your Adobe application, specify the spot color.

## When using the 2 Color Print Simulation feature

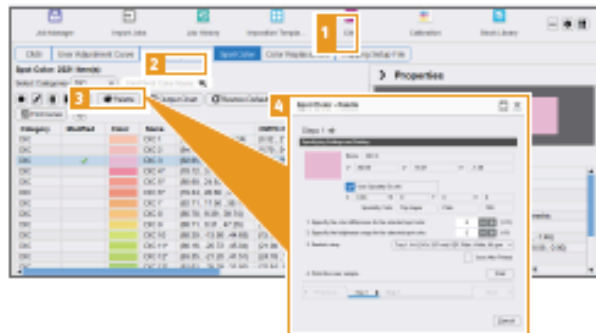
- 1 Click [Settings] > [Processing Options] in Job Properties.
- 2 Check the [RIP Complex Job (Slower)] box.



- If you are not satisfied with the printed color tone, use [Palette] feature to adjust the color.

## To achieve desired color tone

- 1 Click [CMS].
- 2 Click [Spot Color].
- 3 Select the spot color name to adjust, click [Palette].
- 4 On the displayed screen, adjust the color tone.



### Refer

For information on how to adjust the color tone, see "2.3 Spot Color" in *GX Print Server User Guide - Color Management*.