

Achieve full-color CMYK results on black media using White toner as a base layer (typography)



This tutorial will explain and demonstrate how to print a White spot color onto Black-colored media and provide an area which can be overprinted with CMYK.

In this example, a swatch and layer will be created in InDesign and will use vector art, which will show through specific areas on the print.

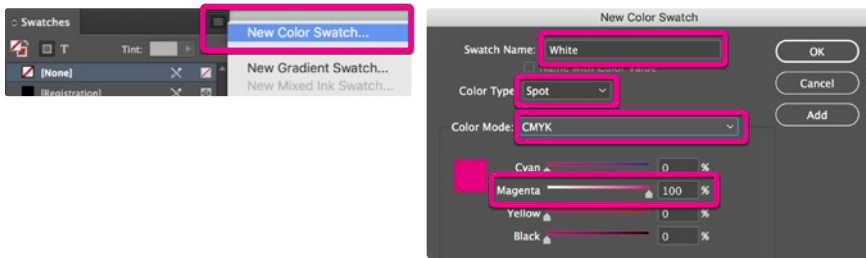
With the RICOH Pro C7200X series, this is now a **Single-pass** process, where the 5th Color layer can be printed ahead of the CMYK. **One PDF** will be created and printed.

Single-pass White toner base layer with CMYK on top

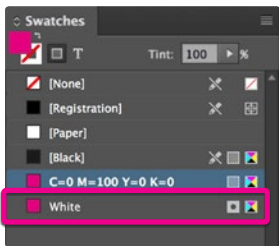


1. Open the layout you are looking to enhance with White toner. In this example we are using InDesign. Create a **New Swatch** by clicking the top right corner of the swatch palette and select **New Color Swatch**.

- Name the swatch **White**.
- Select **Spot Color** for Color Type.
- Select **CMYK** for Color Mode.
- It is recommended to choose 100% Magenta, to represent the White toner.

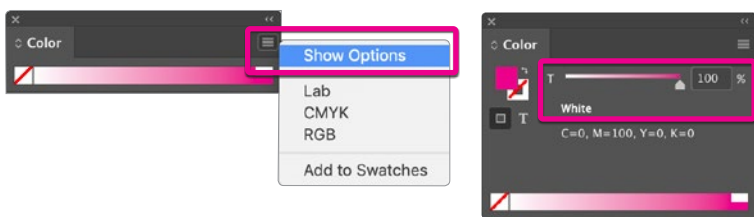


2. The White spot color will represent the White toner.



3. The amount of toner density can be adjusted in the color panel on the Density Scale.

- From the Menu bar select **Window** then **Color** to display the Color Panel. If the Density Scale is not displayed, select Show Options.
- Drag the Density Scale or enter the percentage in the box to adjust the density.



4. Create an Artwork layer and a 5th Color layer in the document. The 5th Color White toner layer will become the Base layer. The Artwork will be the CMYK layer.



The Magenta / White layer in this example creates a base layer for the CMYK on this dark-colored media.



CMYK Artwork



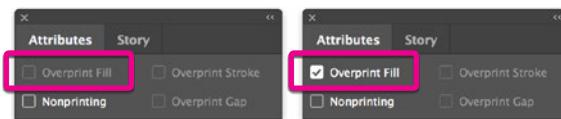
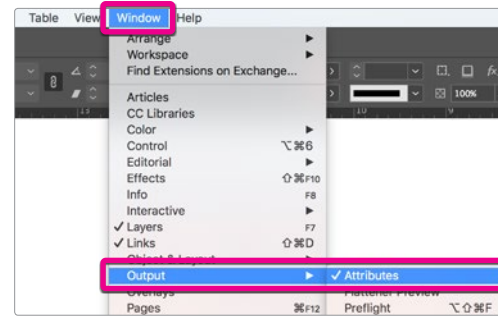
White base layer



Intended output

5a. **Overprint Fill** can be used in place of **Multiply** for vector or type elements **only**. To do that:

- Select **Window**.
- Scroll down to **Output**.
- Select **Attributes**.

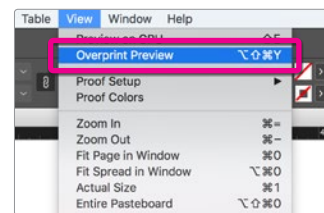


d. With the **Attributes** panel open and the top-most object selected, check **Overprint Fill**. This will blend the object on top with whatever objects are underneath it. The results will not be immediately visible, as Overprint Fill is an *output effect*.

5b. If your artwork is a raster image, set the Blending Mode to Multiply. If it's not set to Multiply then the White layer information underneath will not be present when the PDF is exported.

*Note: Images cannot utilize the Overprint Fill feature, which is an output effect, only for vector art and type. Images must use **Multiply** to ensure any artwork underneath will print properly.*

6. To confirm the artwork has been formatted correctly when using **Overprint Fill**, use **Overprint Preview** under the **View** menu to simulate the effect, otherwise the object will appear unchanged. The artwork will appear more Magenta if formatted correctly, InDesign is simulating the printing of White (Magenta in this case) beneath the gradient artwork.

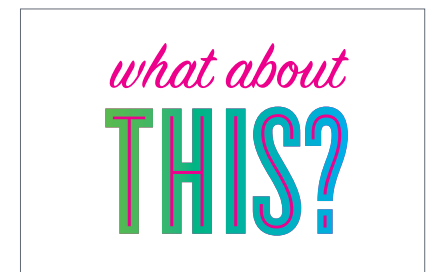


Correct



Overprint Preview with the base White layer indicating presence under the type artwork.

Incorrect



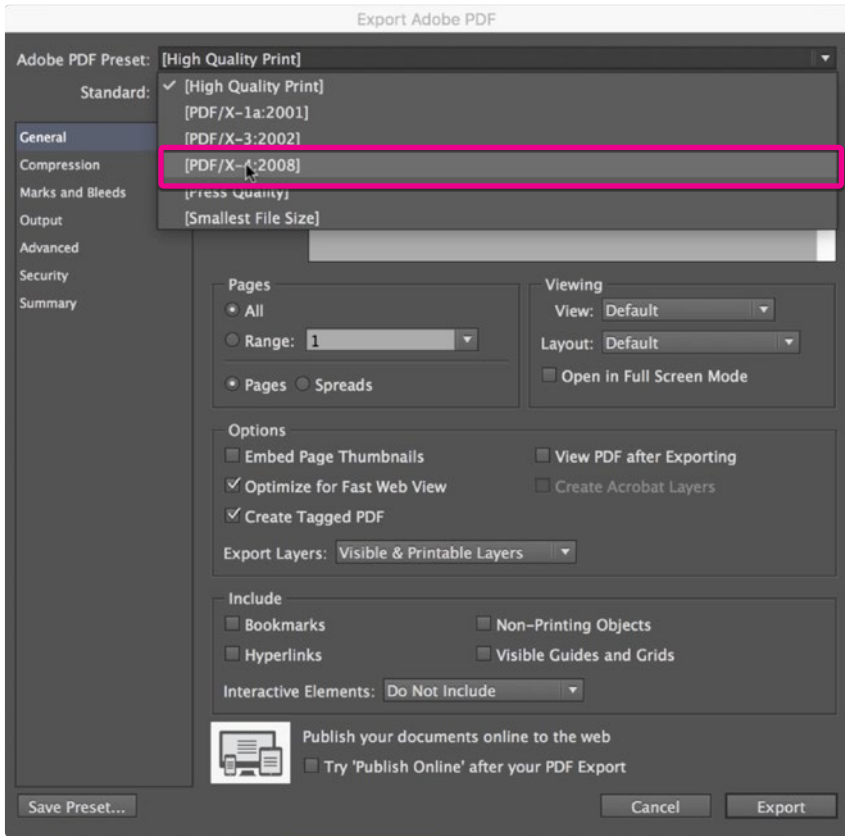
If artwork blending is incorrectly set, no difference will be seen.

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Using the 5th Color White toner in Adobe InDesign.

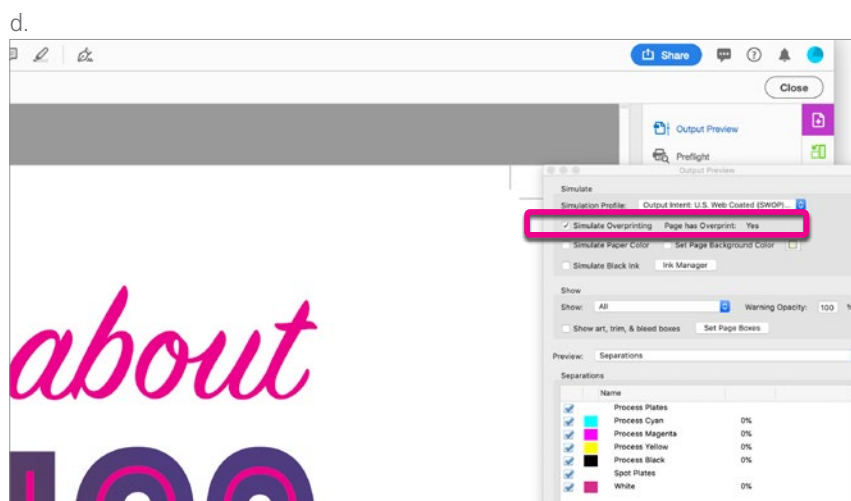
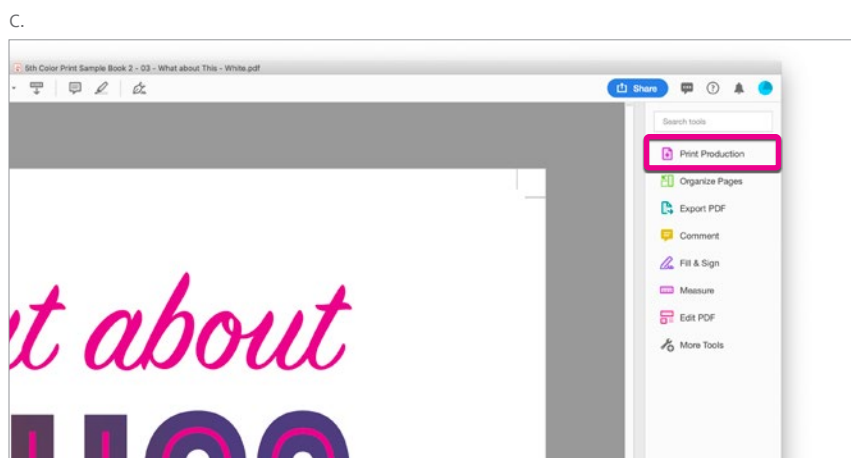
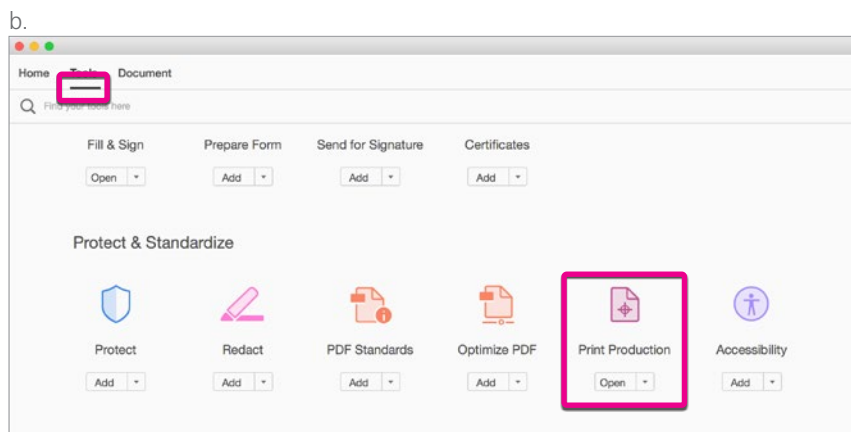
7. With your elements formatted and blending mode set, you are ready to create a PDF.

Export your file as a PDF, **File – Export**, using the PDF Preset **PDF/X-4:2008**. This will allow Fiery® Command WorkStation to recognize where to apply the 5th Color White Toner.



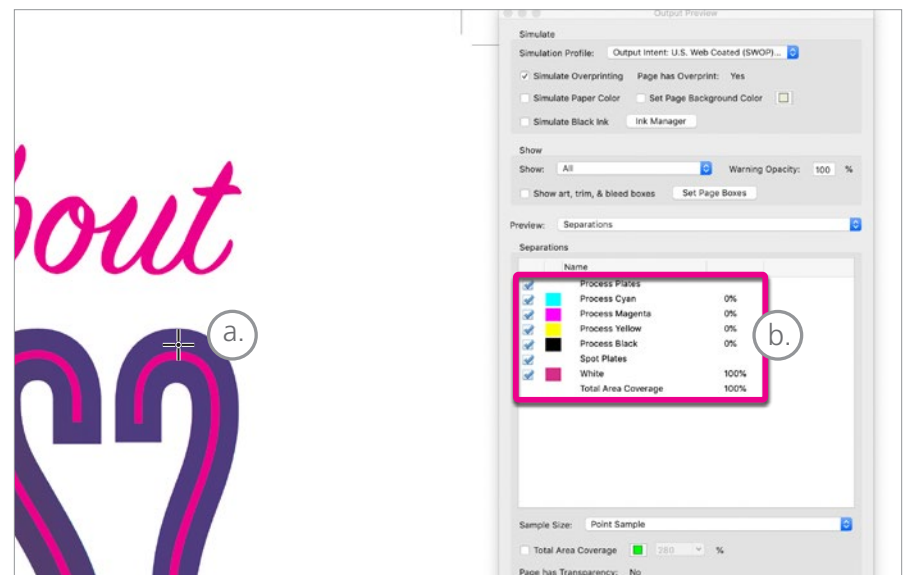
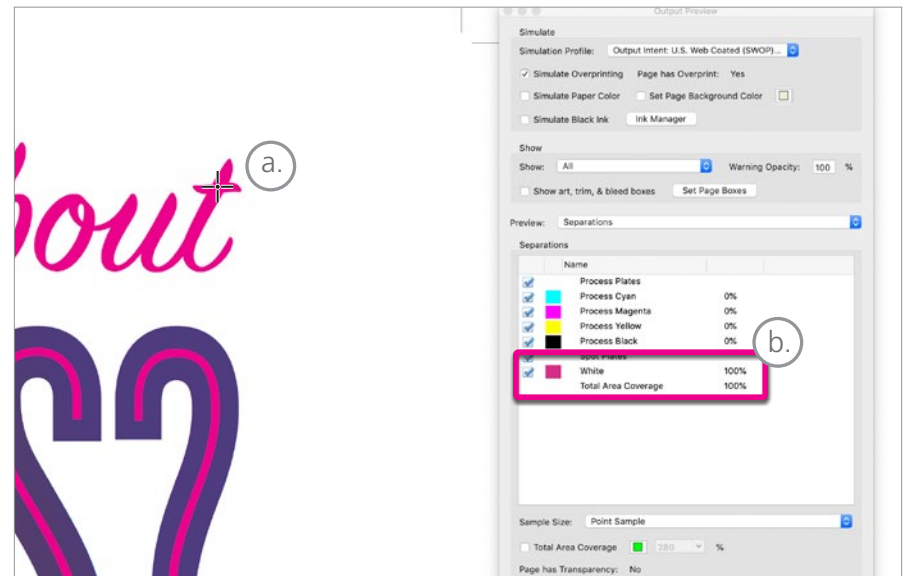
8. With your PDF exported, it's a good idea to open up the file using Adobe Acrobat to confirm not only the presence of the White toner, but also that it is blending properly.

- Open the PDF using Acrobat.
- Navigate to the **Tools** menu and select **Print Production**.
- Select **Overprint Preview**.
- Confirm **Simulate Overprinting** is checked.



9. Locate the **Spot Colors** in the **Separations** window.

- Confirm the presence of **White Spot Color** by mousing over the artwork.
- The percentage will be displayed in the **Separations** window.



The blend of color will appear purple since the colors being mixed on-screen are the Magenta indicator color and the CMYK gradation.

10. With the presence of the 5th Color confirmed and the blending mode properly formatted, you're ready to print your file.

For more step-by-step & video tutorials, head to RicohBusinessBooster.com/5thColor

