

Production Pro for L&P Color Logic support

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Production Pro for L&P Color-Logic Support

Starting from version **8.0.1 UP1 onward**, Production Pro for L&P will fully support Color-Logic files



For more information about Color Logic, visit: <http://www.color-logic.com/>

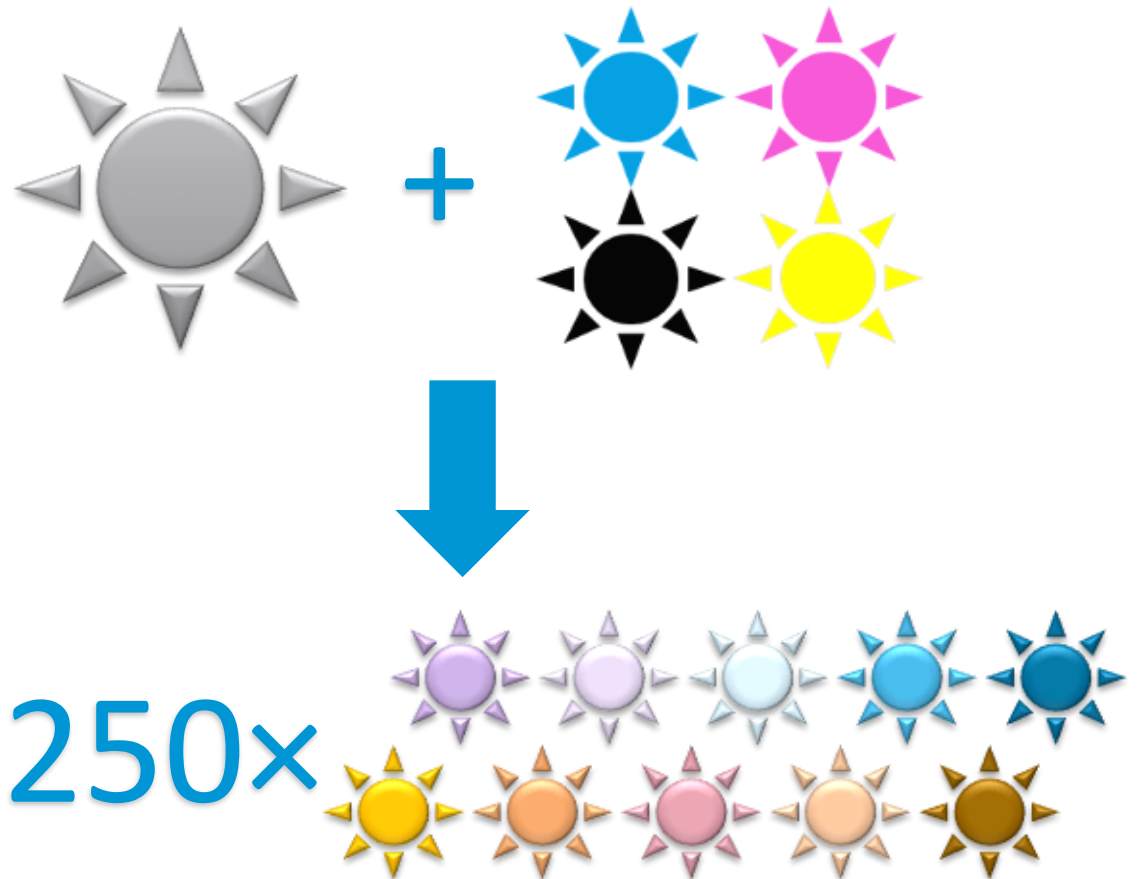
Introduction - The Color-Logic Solution

The Color-Logic plugin is installed on graphic design applications, including:

- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign

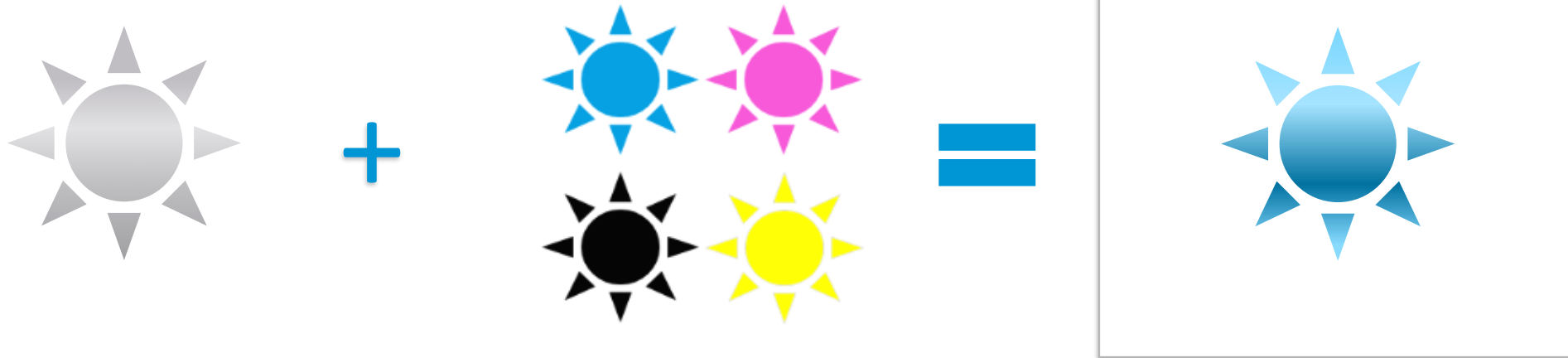


The plugin creates a variety of metallic colors and special printing effects using only Silver ink + CMYK inks.



On The Indigo Workflow

The new feature allows customers to use a metallic substrate instead of Silver ink to create the same effect.



On the DFE: The Silver ink will be mapped to **White**. The white separation will be inverted: 0% will become 100% ink and vice-versa. Any other silver ink tint will be inverted in a linear way.

CMYK separations will be printed on top of the metallic substrate.

Metallic effect is created with no Silver ink.

PDF File Created by Color-Logic

The PDF contains the separations CMYK and a silver spot color named **CL 4713 SILVER**

The screenshot displays the Adobe Acrobat Pro Extended interface. The main window shows a PDF document titled "Print Eval TF - ST - Page 1.pdf". The document content is a "PROCESS METALLIC COLOR SYSTEM™ - PRINT EVALUATION TEST FORM PAGE 1 OF 2". It features several color swatches and images, including a woman's face, a maple leaf, a "Shine" spray bottle, a basket of fruit, a pink mandala, a purple sports car, and a woman's face. The bottom of the page includes a "COLOR LOGIC" logo and contact information.

The "Output Preview" panel on the right shows the following settings:

- Simulation Profile: U.S. Web Coated (SWOP) v2
- Simulate Black Ink
- Simulate Paper Color
- Ink Manager: Simulate Overprinting
- Show: All
- Warning Opacity: 100 %
- Preview: Separations, Color Warnings, Object Inspector
- Separations:

Name	0%
<input checked="" type="checkbox"/> Process Plates	
<input checked="" type="checkbox"/> Process Cyan	0%
<input checked="" type="checkbox"/> Process Magenta	0%
<input checked="" type="checkbox"/> Process Yellow	0%
<input checked="" type="checkbox"/> Process Black	0%
<input checked="" type="checkbox"/> Spot Plates	
<input checked="" type="checkbox"/> CL 4713 SILVER	0%
Total Area Coverage	0%

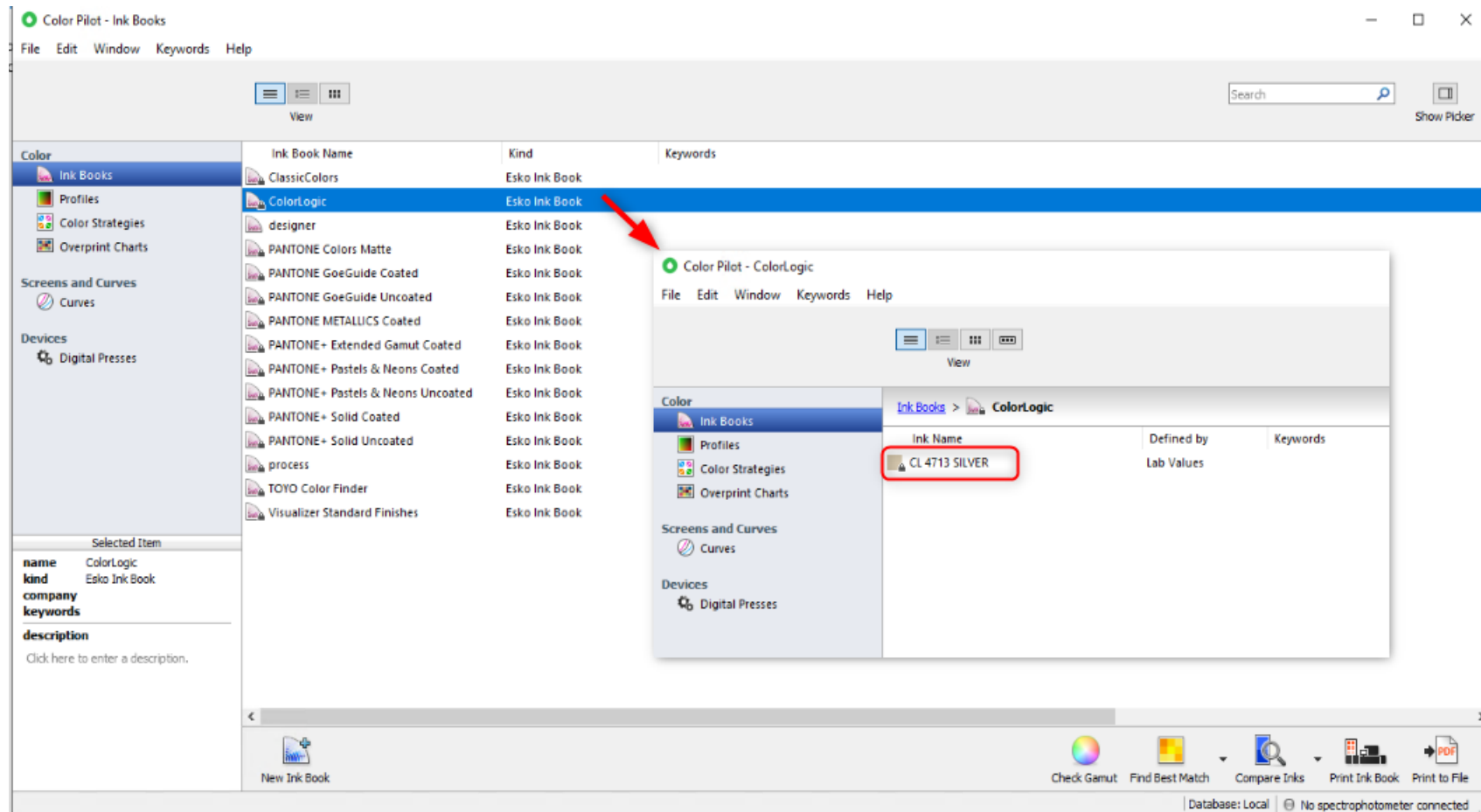
Sample Size: Point Sample

- Total Area Coverage 280 %
- Set Page Background Color
- Transparency Blending Color Space: DeviceCMYK



Color Engine Default Color-Logic Assets – Ink Library

Production Pro for L&P has a default ink library and color strategy dedicated to Color-Logic that contains only **CL 4713 SILVER**.



Color Engine Default Color-Logic Assets – Color Strategy

The Default color strategy **HPI-CMYKW_ColorLogic (1)** contains the following settings:

- White extra output ink
- **CL 4713 SILVER** spot is mapped to White ink (2)

The screenshot shows the Color Engine interface. At the top, the 'Color Strategies' dropdown is set to 'HPI-CMYKW_ColorLogic', which is circled in red with a '1'. Below this is a workflow diagram with five steps: 'Input', 'Map Inks', 'Simulate Dot Gain', 'Convert Process Inks', and 'Convert Spot Colors'. The 'Map Inks' step is highlighted with a red box. Below the workflow, a table titled 'Ink mappings will take priority over ink book mappings' is shown, with the first row circled in red and labeled '2'. The table lists various ink mappings from different ink books to a 'ClassicColors' ink book.

Map	Ink Book	To	Ink Book
CL 4713 SILVER	ColorLogic	White	ClassicColors
HPI-White	designer	White	ClassicColors
IndiChr Green	designer	Green	ClassicColors
IndiChr Orange	designer	Orange	ClassicColors
IndiChr Violet	designer	Violet	ClassicColors
PANTONE 100 M	PANTONE Colors Matte	PANTONE 100 C	PANTONE+ Solid Coated
PANTONE 100 U	PANTONE+ Solid Uncoated	PANTONE 100 C	PANTONE+ Solid Coated
PANTONE 101 M	PANTONE Colors Matte	PANTONE 101 C	PANTONE+ Solid Coated

Note: any color strategy with these settings can be used with Color Logic files.

Steps to Process Color-Logic Files

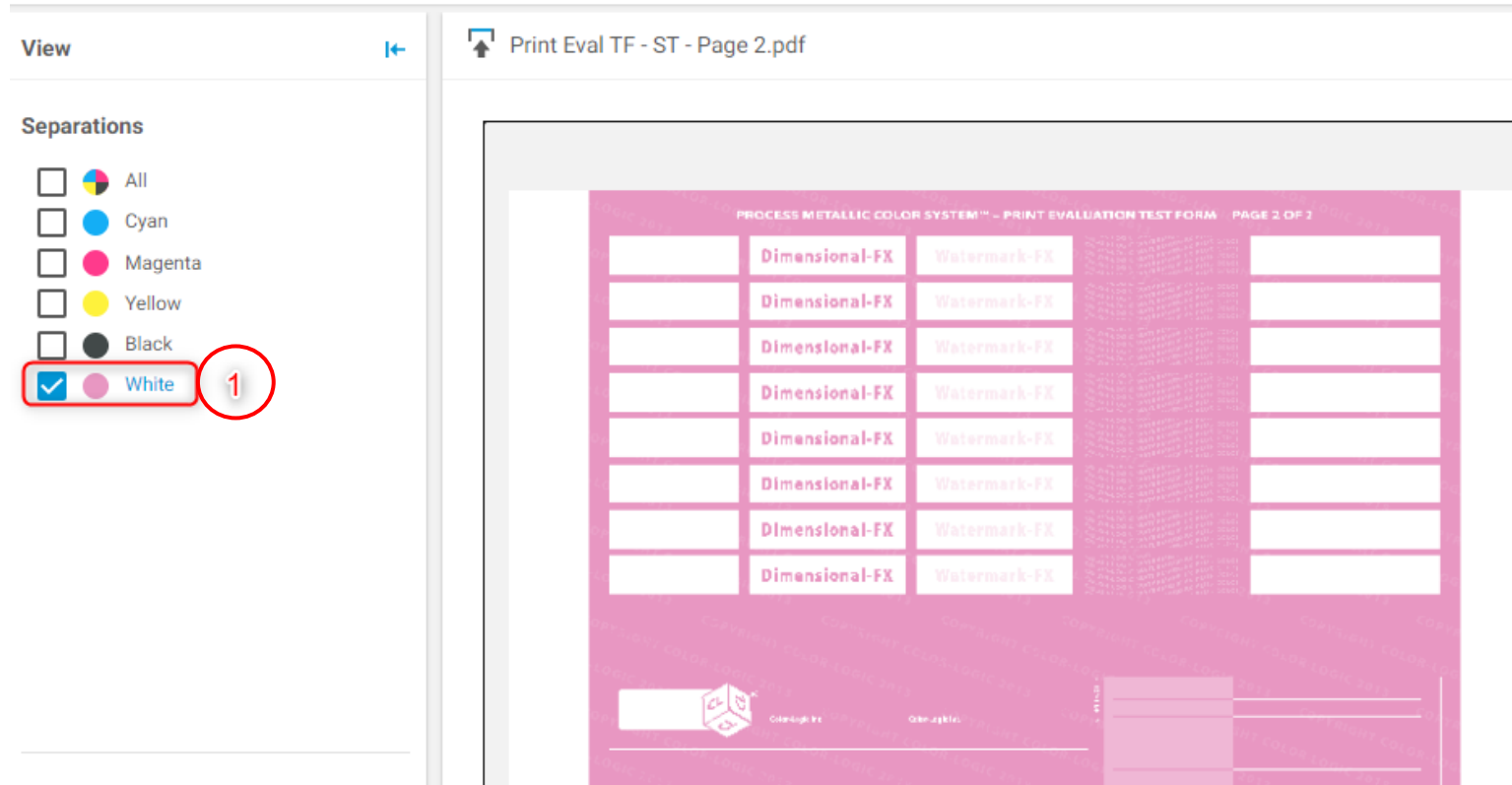
1. Import the Color-Logic file using the import button.
2. Choose **HP_Indigo_LabelsAndPackaging** ticket template and open it for editing.
3. On the Color tab, choose the inkset **CMYK**.
4. Select the default Color-Logic color strategy **HPI-CMYKW_ColorLogic**.
5. Check the **Invert White separation** check box.
6. Set other job parameters needed. Click save and submit.

The screenshot shows the HP Indigo LabelsAndPackaging software interface. The 'Color' tab is selected, and the 'Color Strategy' is set to 'HPI-CMYKW_ColorLogic'. The 'Ink Set' is set to 'CMYK'. The 'Separations' section is expanded, showing a table of color separations. The 'Invert White Separation' checkbox is checked, and the 'Add Magenta1 Separation' and 'Use Violet Ink for Food Packaging' checkboxes are unchecked.

Print	Separation	Ink	Screen angle
<input checked="" type="checkbox"/>	Cyan	Cyan	Default
<input checked="" type="checkbox"/>	Magenta	Magenta	Default
<input checked="" type="checkbox"/>	Yellow	Yellow	Default
<input checked="" type="checkbox"/>	Black	Black	Default
<input checked="" type="checkbox"/>	White	White	Default
<input checked="" type="checkbox"/>	Invert White Separation		
<input type="checkbox"/>	Add Magenta1 Separation		
<input type="checkbox"/>	Use Violet Ink for Food Packaging		

Preview the Color-Logic files on the DFE

1. After the job is processed, open the preview.
2. Hide all other separations except the white (1) to see clearly where the “silver ink” effect will be placed.
3. The parts not covered with white will “expose” the metallized substrate, and this is where the metallic effect will appear.



Note:

You can add the spot color **CL 4713 SILVER** (LAB 80,0,0) to the **Designer** ink library and map it manually to any selected color strategy instead of using the default Color-Logic assets.

You can use any color strategy that contains White as an extra output separation.