Color-Logic Print Output Best Practices
CMYK Separations

CMYK

Your CMYK separations should be output using your normal CMYK profile.

Measure the CMYK patches on your color control strip to ensure process control and print reproducibility.

The way you print is unique to your company, which means that your Color-Logic system is a unique metallic color system for you and your customers

COLOR LOGIC
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➢ **Silver ink** (analogue printing)
Density: 0.35 Status T / 0.60 Polarized
Output the Silver on the same angle as the Black to avoid moiré (screen clash)

➢ **Silver ink** (digital printing)
Recommended to run the silver "Linear"

➢ **Silver toner**
We recommended to reduce your silver ink or toner density down to around 65–75% (depending on substrate being used)

➢ **White ink** (digital printing)
Recommended to run the white "Linear"

Note: The silver/white will be screened in areas, so the correct reproduction of tints is required. If the Watermark techniques are not performing correctly on your test forms, please check your tone curve on the silver/white separation.

Color-Logic Print Best Practices
Tone Curves and Dot Structure for screened silver

➢ **AM or FM Screening?**
Color-Logic files can be output using either! Our "Image-FX" plugin has an anti-screen-clash algorithm built into the plugin to ensure a 5 separation image does not have moiré, allowing the user to output a screened silver separation on the same angle as the black when using AM screening.
NOTE: FM Screening is not for every job, so Color-Logic focused on developing a system that can be printed using either screening technique!

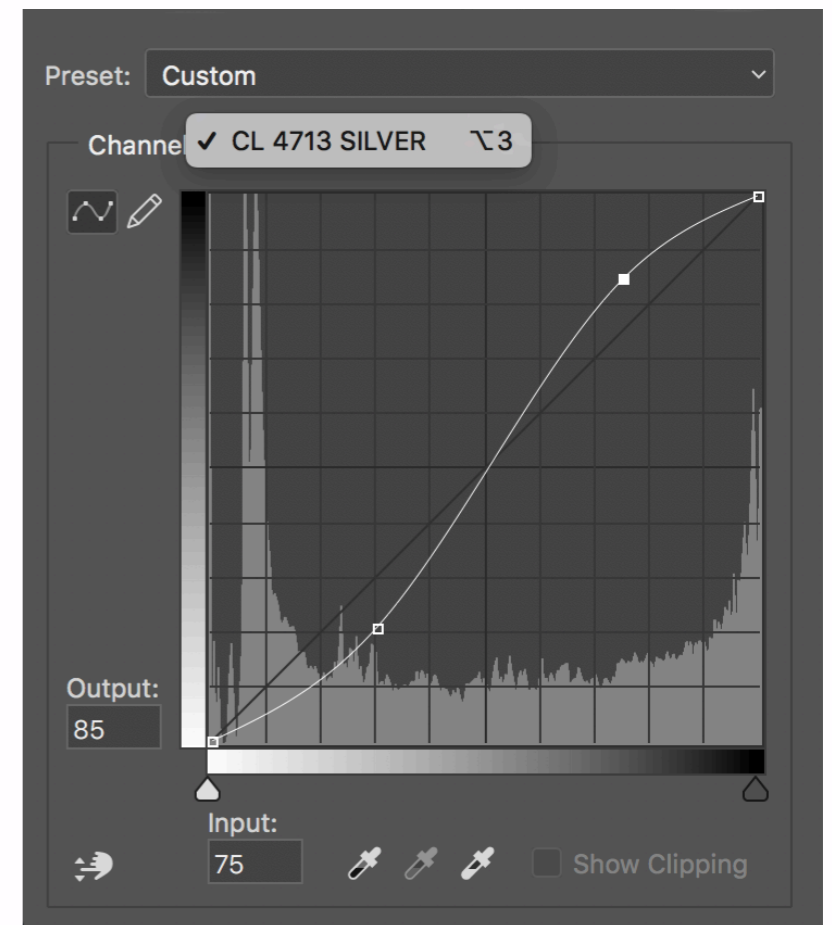➢ **Editing Tone Curves / Custom Profiles**
The two "Watermark" techniques for Color-Logic require the correct reproduction of tint percentages for them to work correctly. If the silver is not printing linear, the user might need to manually edit the tone curve to ensure correct tint reproductions.

For Color-Logic effects to work correctly:
25% silver tint patch should measure 25%
50% silver tint patch should measure 50%
75% silver tint patch should measure 75%

Simulation of tone curve for visual reference only

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Technical papers are available from the certified press and RIP partner pages, along with certified substrates for each process:

- ➢ **Certified Printing Presses**
  www.color-logic.com/Partners/presses

- ➢ **Certified RIPs**
  http://www.color-logic.com/Partners/rip

- ➢ **Certified Substrates**
  www.color-logic.com/Partners/papersuppliers

- ➢ **Certified Foiling / Sleeking**
  www.color-logic.com/Partners/sleeking