

# About overprint handling

Overprint handling is a feature in the **ColorConvert** section of the process template that helps to prevent overprinting objects from generating unintended knockouts. You can apply overprint handling in the refine, loose page output, and imposition output process templates. The following examples show the effects of using overprint handling.

## Example 1: All colors are shared



Figure 1. The desired overprint effect

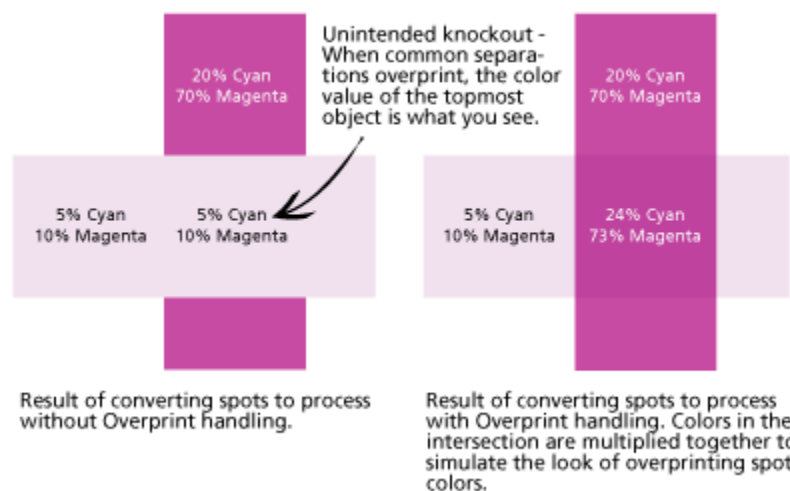


Figure 2. The outcome without and with overprint handling

**Example 2: Some shared, some unshared colors**



Figure 3. The desired overprint effect

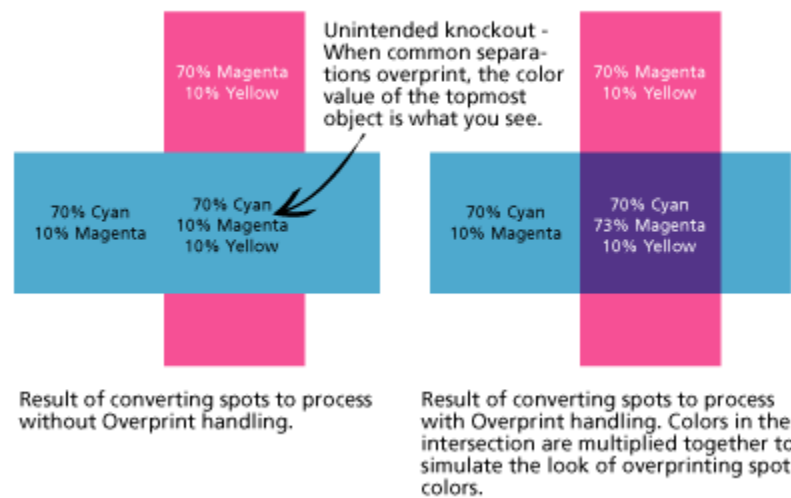


Figure 4. The outcome without and with overprint handling

**Multiplicative blend formula**

Prinergy uses the following formula to calculate the proper channel color amount for the intersecting area of overprinting objects:

$1 - (1 - \text{Color1}) \times (1 - \text{Color2}) = \text{multiplicative blended amount}$

where Color1 and Color2 are the underlying and overprinting amounts of a shared channel color. For example, if 70% magenta and 10% magenta were used, then Color1 and Color2 would be 0.7 and 0.1.