Ghent Output Suite

Ghent PDF Workgroup

Patch 10.1 and 10.2 — Spot To CMYK Conversions

Intent

Patches 10.1 and 10.2 replace patch 10.0.These patches are designed to highlight certain problems that can arise when converting objects in spot colors to CMYK. It is unlikely that these patches will show any errors in tests that do not convert the spot colors to a different color space. These patches uses CMYK, spot color GWG Green and spot color Pantone 265 C
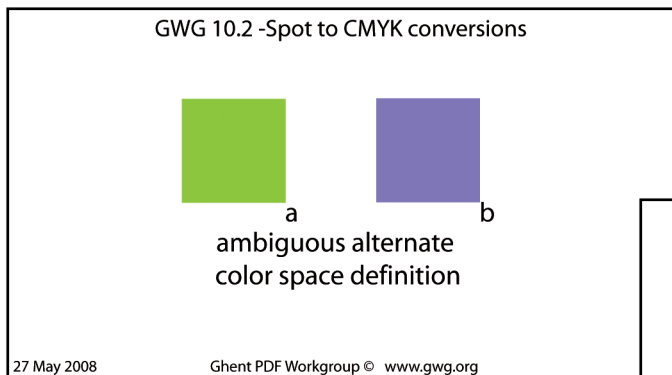
Testing guidelines

Test patches may be used in two ways:
- A single patch may be used to test a specific step in a workflow, such as a RIP
- Patches may be grouped with other patches to test the whole of a workflow that will aggregate multiple files together, e.g. for partial page advertisements in a magazine.
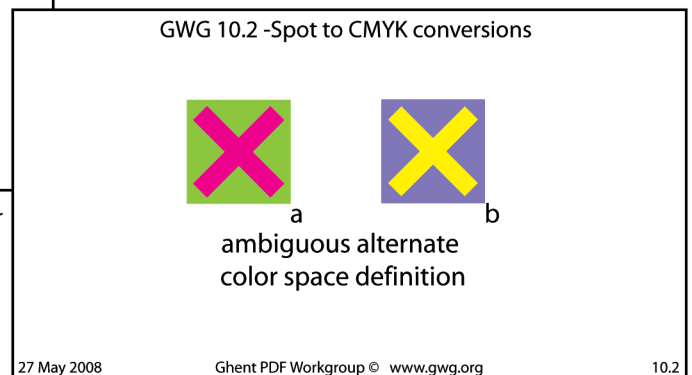
Method of evaluation

Method 1
A clear X indicates the improper handling of a file.

GWG 10.2 -Spot to CMYK conversions

a   b
ambiguous alternate
color space definition

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Correct rendering of the patch: all tests passed. No clear X is showing.

GWG 10.2 -Spot to CMYK conversions

a   b
ambiguous alternate
color space definition

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Incorrect rendering of the patch: tests a and b have failed.

Each X indicates an incorrectly rendered test.

Description of tests

It is possible for a faint X to appear in some of the tests on these patches. This does not constitute improper rendering of the test. Only when a clear X is showing can the test be considered as having failed.

10.1
- a) A Spot color GWG Green object is next to an object defined in the CMYK alternate for GWG Green. If a clear X appears it is because the alternate CMYK color definition has not been used converting from Spot to CMYK.

- b) A Spot color Pantone 265C object is next to an object defined in the CMYK alternate for Pantone 265 C. If a clear X appears it is because the alternate CMYK color definition has not been used when converting from Spot to CMYK. It is possible for a slight X to appear due to a look up of the spot color being defined on a pantone lookup table within the converting device. In most cases this is acceptable.

10.2
- a) Spot color GWG green is defined with two different alternate color spaces within the PDF file. When the patch is rendered using alternate color spaces, we believe the first available alternate color should be used for all occurrences of the color. If a clear Magenta X shows in the patch, two different alternates were used when rendering the patch.

- b) Spot color Pantone 265 C is defined with two different alternate color spaces within the PDF file. When the patch is rendered using alternate color spaces we believe the first available alternate color should be used for all occurrences of the color. If a clear yellow X shows in the patch, two different alternates were used when rendering the patch.

Notes

This patch is to used as a reference only and should not be used as a definitive guide to correct or incorrect behavior. The issues being checked in these patches are not clearly defined in the PDF specifications and could be interpreted in more than one way. The Ghent workgroup has taken the initiative to illustrate what we believe is the correct behavior based on what we believe would be the most common application of this type of content. We do not, however, imply in any way that this is the only way it can be interpreted.

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