Using eciCMYK as working color space for Wide Gamut printers

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eciCMYK - Fogra53

- FOGRA53 is a CMYK based exchange space that primarily serves colour communication throughout the print production. It complements the existing 52 reference printing conditions that reflect actual offset based printing conditions. It was developed in light of the completed Fogra research project 10.057, that was establishing tools for a media neutral print workflow.
comparison of Fogra39 to Fogra53

- color angle of primaries and secondaries is very similar
- higher chroma
- different gray axes
eciCMYK as Output Intent

- What would happen, if someone used eciCMYK as the working color space in Adobe applications
eciCMYK as Output Intent / RGB

3 Stricken macht Spaß

OI: ISO coated V2

OI: eciCMYK
eciCMYK as Output Intent / CMYK (F39)
eciCMYK as Output Intent / CMYK (F39)

OI: ISO coated V2

OI: eciCMYK
eciCMYK as Output Intent / CMYK (F39)
eciCMYK as Working color space

- works well for RGB images
- works OK for CMYK vector elements - conversion needed?
- CMYK images have to get converted (or need to get tagged)

Bressanone Color Experts' Day May 24, 2019
Is eciCMYK really large enough?

WT250 - CMYK

TAU330 - CMYKOVG
eciCMYK - Fogra53

- **CONS**
  - still too small for CMYK+ printers, when wanting to use the whole gamut

- **PROS**
  - CMYK color model in PDF
  - predictable colours while using a standardised larger color spaces
Sources

- Images: Shutterstock and roman16
- ICC profile: eciCMYK can get downloaded for free at www.eci.org - together with 3 free devicelink profiles
- Graycon tool: www.eci.org
- Altona technical 2 testpage: www.eci.org
- Composed page: part of color management workshop from Florian Süßl and Peter Kleinheider
- Gamut previews: CoPrA Profile Manager from ColorLogic
Thank you for your interest

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