

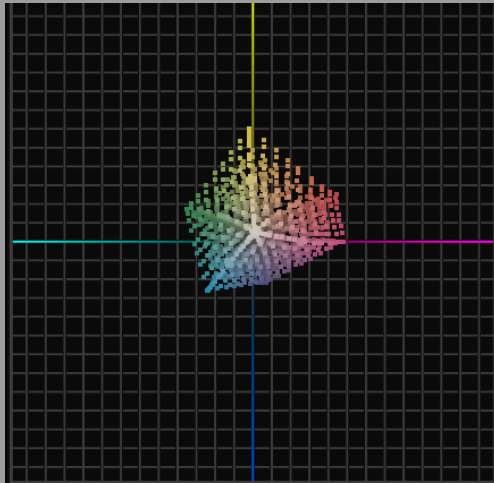
Development of CRPC data for CGATS 21 (aka ISO/PAS 15359)

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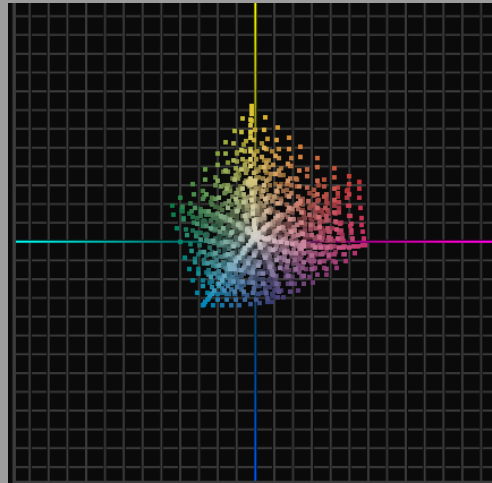
Background

- 1990's - rise of “characterized” print
 - CGATS TR001 - SWOP, ...
- 2000's - SWOP2006, GRACoL2006
 - CMY and K scales calibrated using “G7” method
- 2010's - CGATS21 (ISO/PAS 15339)
 - Family of **C**haracterized **R**eference **P**rint **C**onditions
 - Primary/secondary hues aligned
 - CMY and K scales calibrated using CGATS TR015
 - Intended to have “shared neutral appearance”

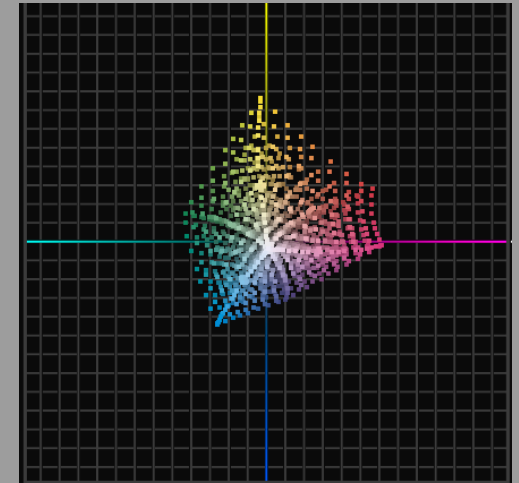
Derived from offset press data



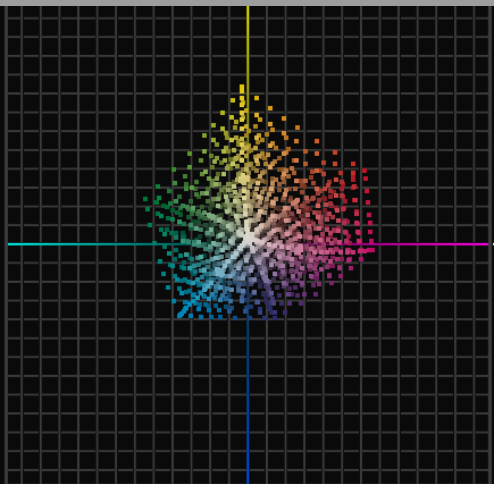
1-Newsprint



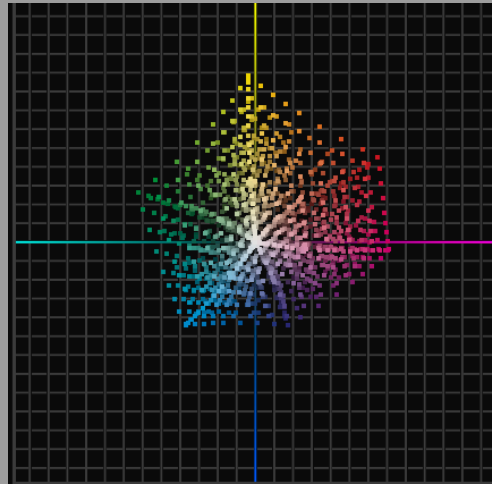
2-Uncoated



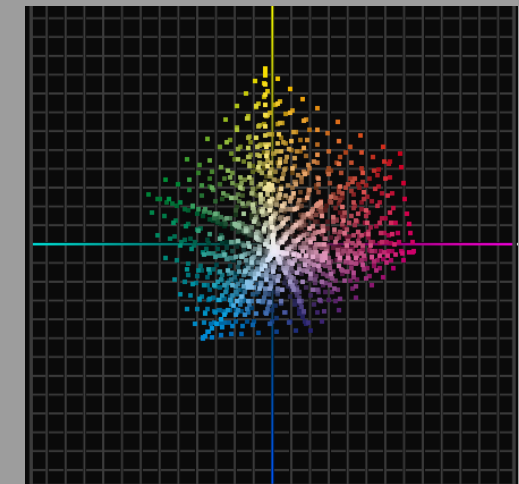
3-Uncoated-Premium



4-SuperCalendar



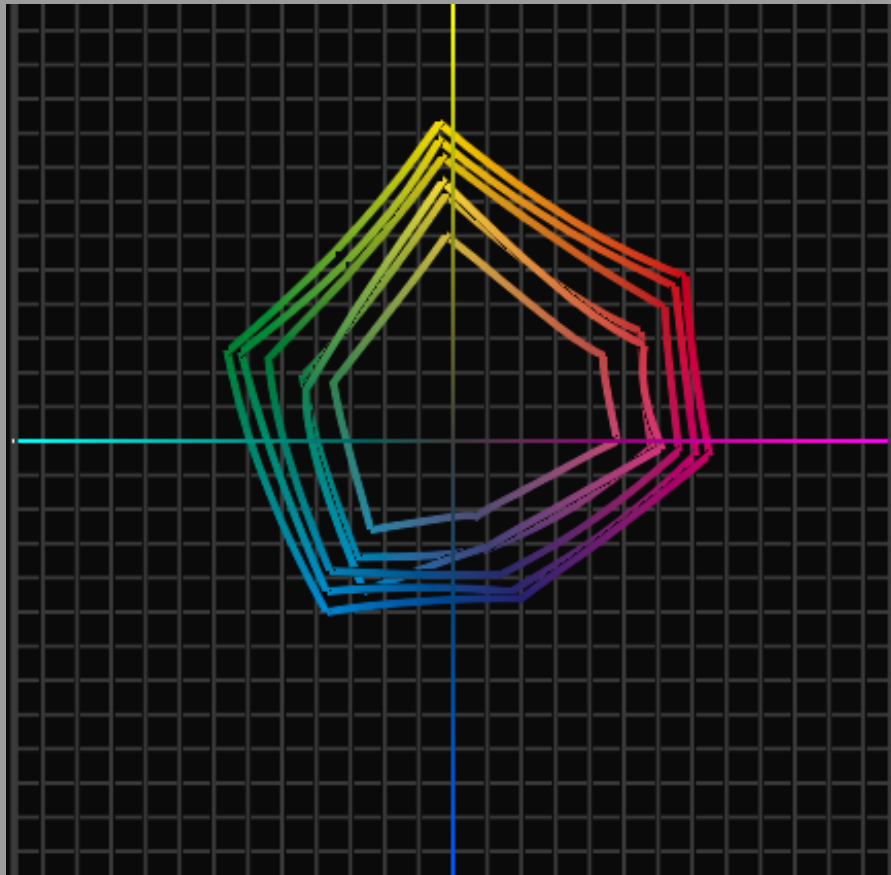
5-Coated Web



6-Coated-Premium

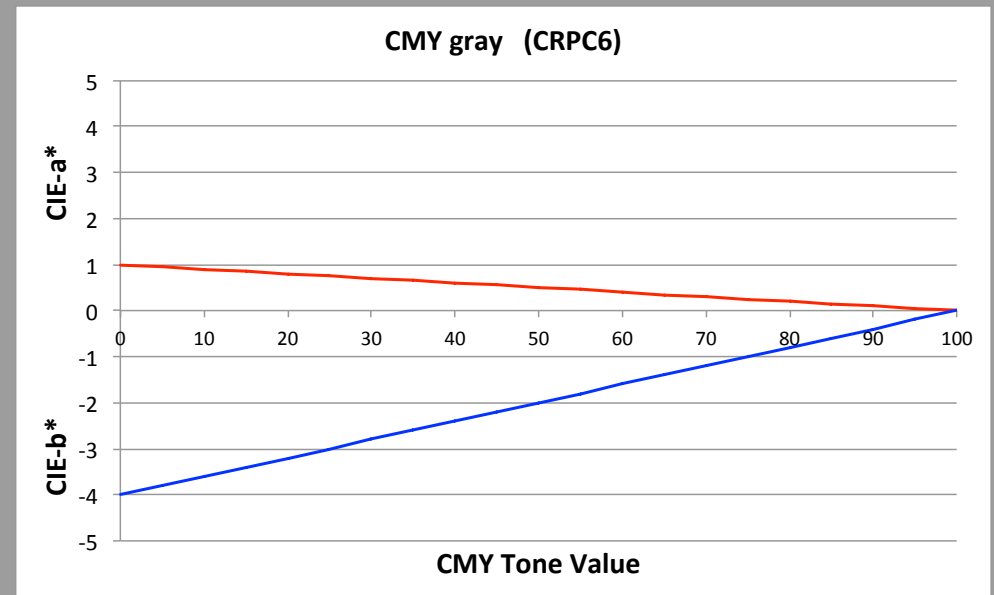
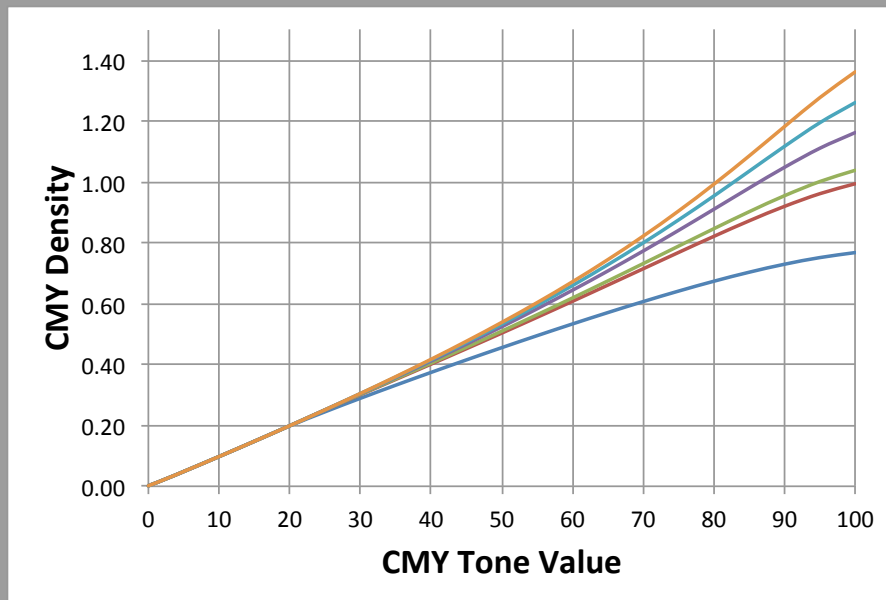
Primary/secondary hue alignment

- Consequence of ink standardization



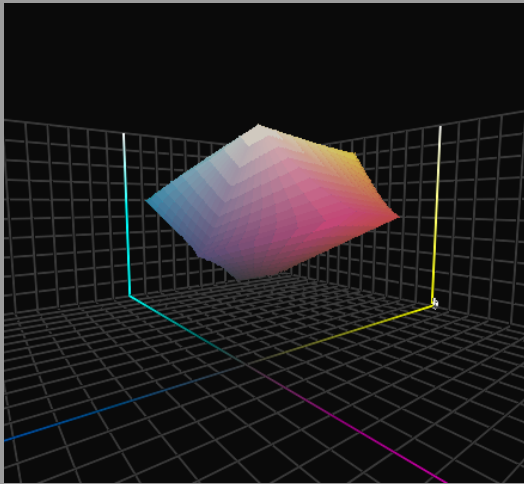
Neutral scale “calibration”- TR015

- CMY neutral scale triplets defined
- CMY tonality - dynamic range dependent
- CMY gray - simple, paper-relative trajectory

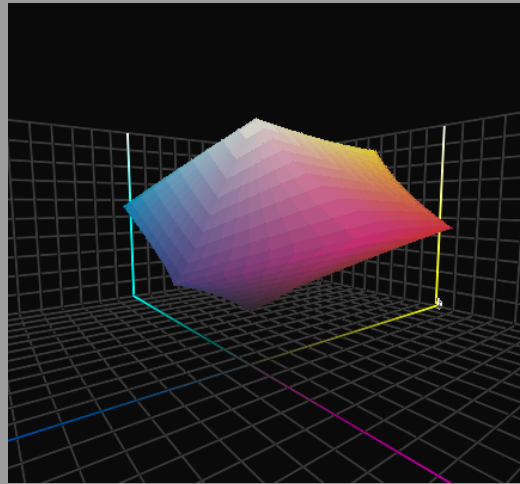


- Similar tonality curves for K scale

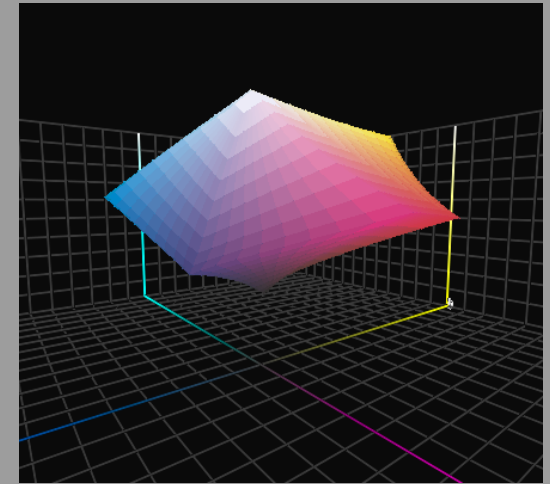
CGATS 21-2 (ISO/PAS 15339) CRPC1-6



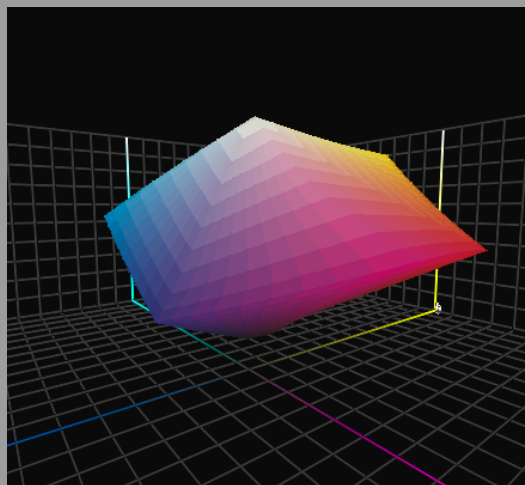
1-Newsprint



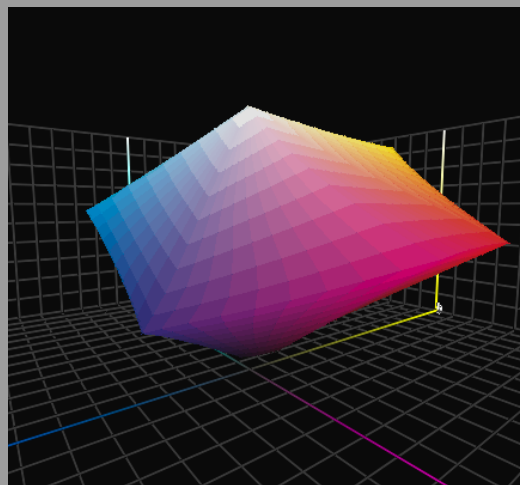
2-Uncoated



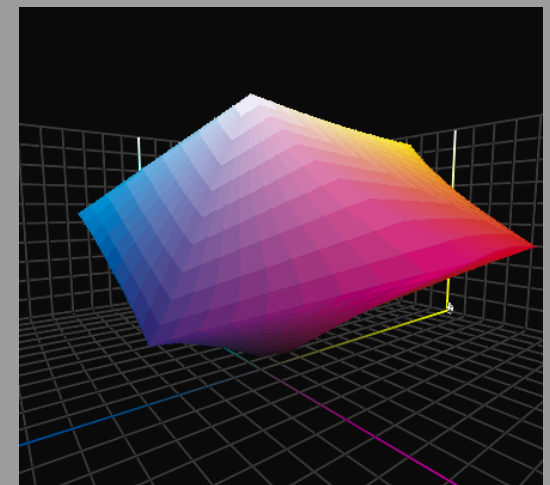
3-Uncoated-Premium



4-SuperCalendar



5-Coated Web



6-Coated-Premium

Advantages

- Prepress
 - Output intent options with common appearance
- Press
 - Supports neutral calibration alternative to TVI

