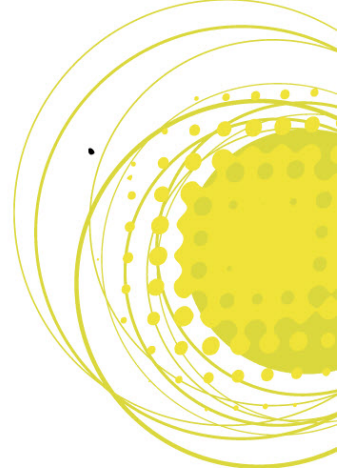
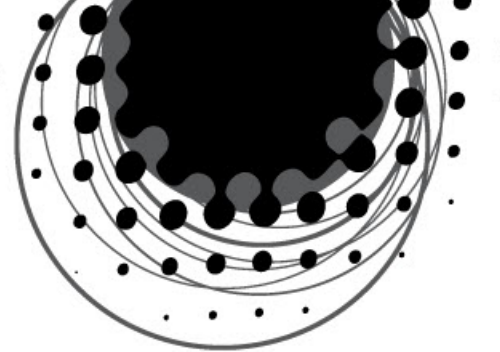


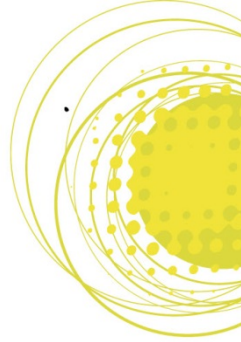
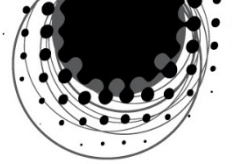


"the perfect separation"
how far does GCR support print quality?

Juergen Seitz
GMG

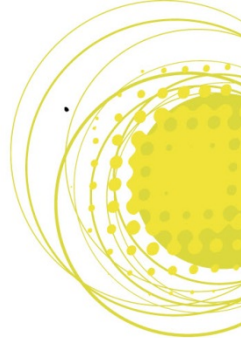
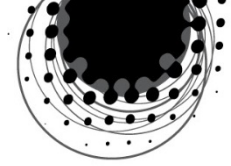
February 12, 2015 • India Expo Centre • Greater Noida, Delhi NCR





- “the perfect separation”
is a question that is touching many of the usecases and needs in colormanagement
- Today
many users (e.g. Offset printers) rely on something that is delivered
- Tools to separate to the usecase

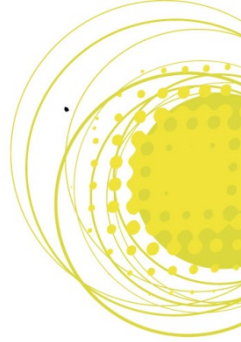
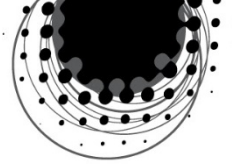




- “the perfect separation”
in creation and retouching is:

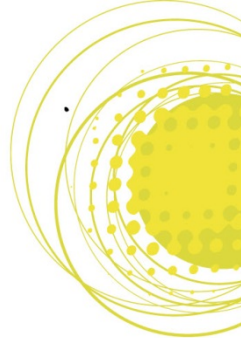
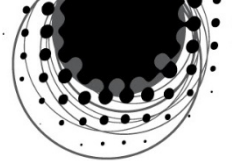
R G B





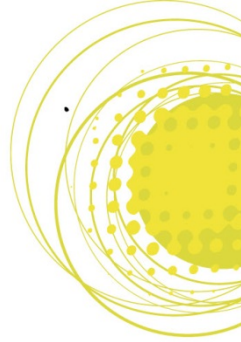
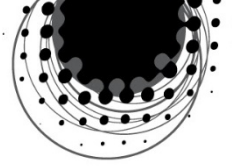
- “the perfect separation” RGB





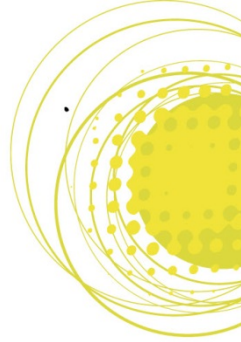
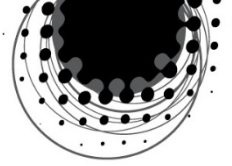
- “the perfect separation” RGB





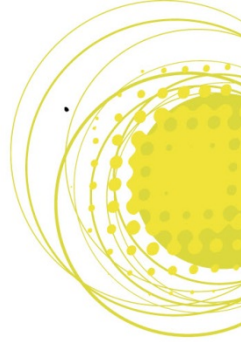
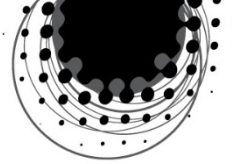
- “the perfect separation” RGB





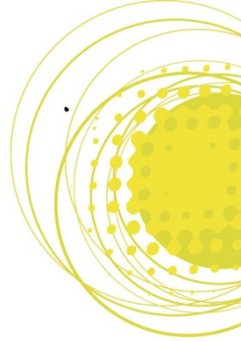
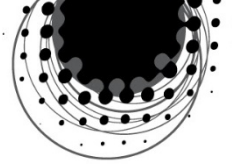
- “the perfect separation” RGB





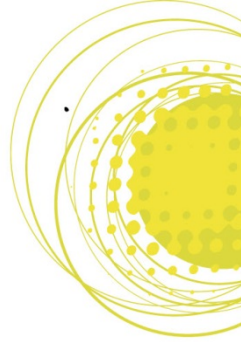
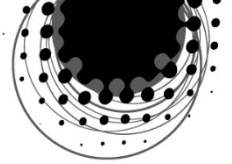
- “the perfect separation”: RGB
 - with perfect tools for retouching and intuitive color assessment
 - predestinated for the use in process independent databases



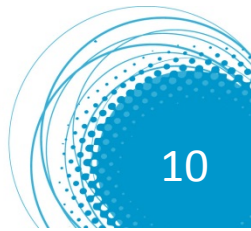


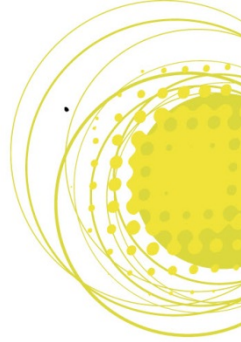
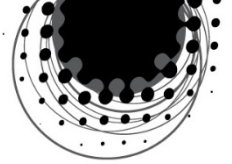
- “the perfect separation”
 - moves with the usecases.
 - RGB in creation, retouching, multimedia
 - CMYK when it goes traditional printing
- What relation between CMY and K is now the best?





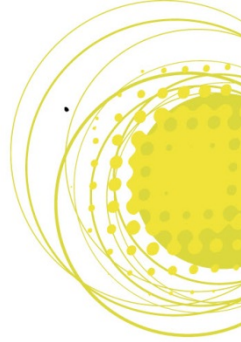
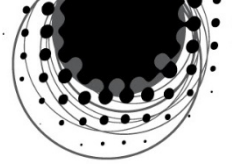
- What's the best CMY .. K ?



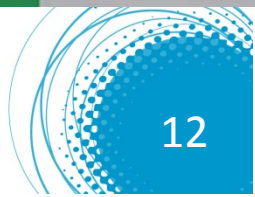


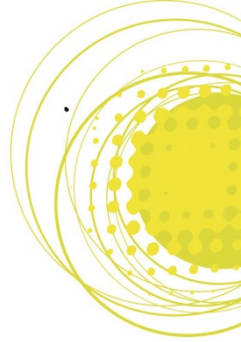
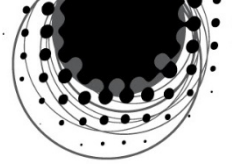
- What's the best CMY .. K ?





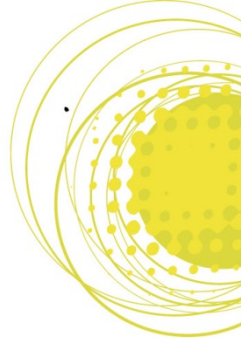
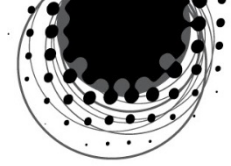
- What's the best CMY .. K ?





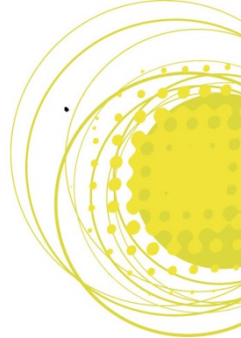
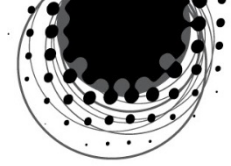
- What's the best CMY .. K ?

- Every perceptual separation strongly relies on proprietary interpretations of gamut mapping.
- A separation with its relation between CMY and K has no reference in any standard
- Experience and knowledge or the best tools help to define *your* best separation



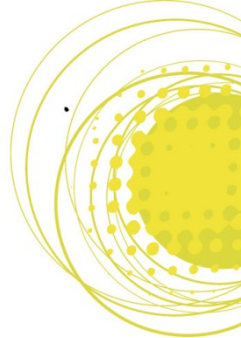
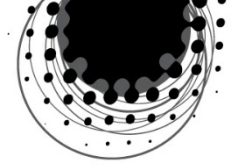
- What's the best CMY .. K ?





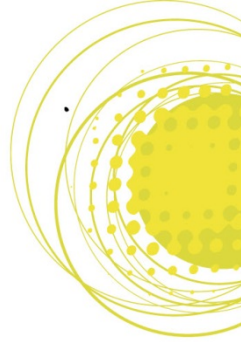
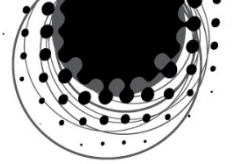
- What's the best CMY .. K ?





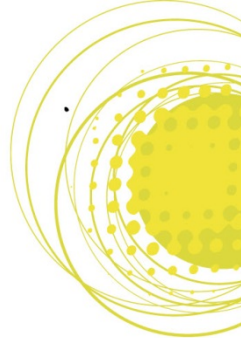
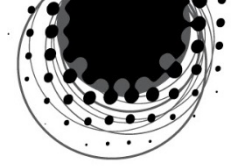
- What's the best CMY .. K ?





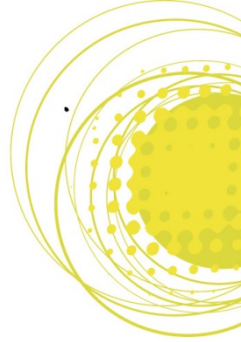
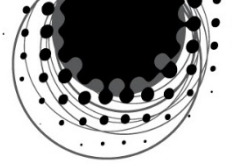
- What's the best CMY .. K ?



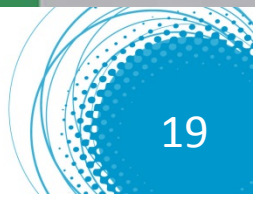


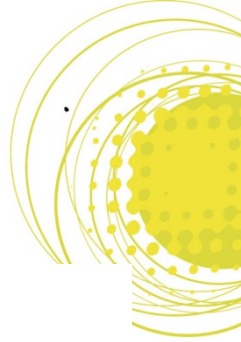
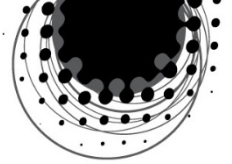
- What's the best CMY .. K ?





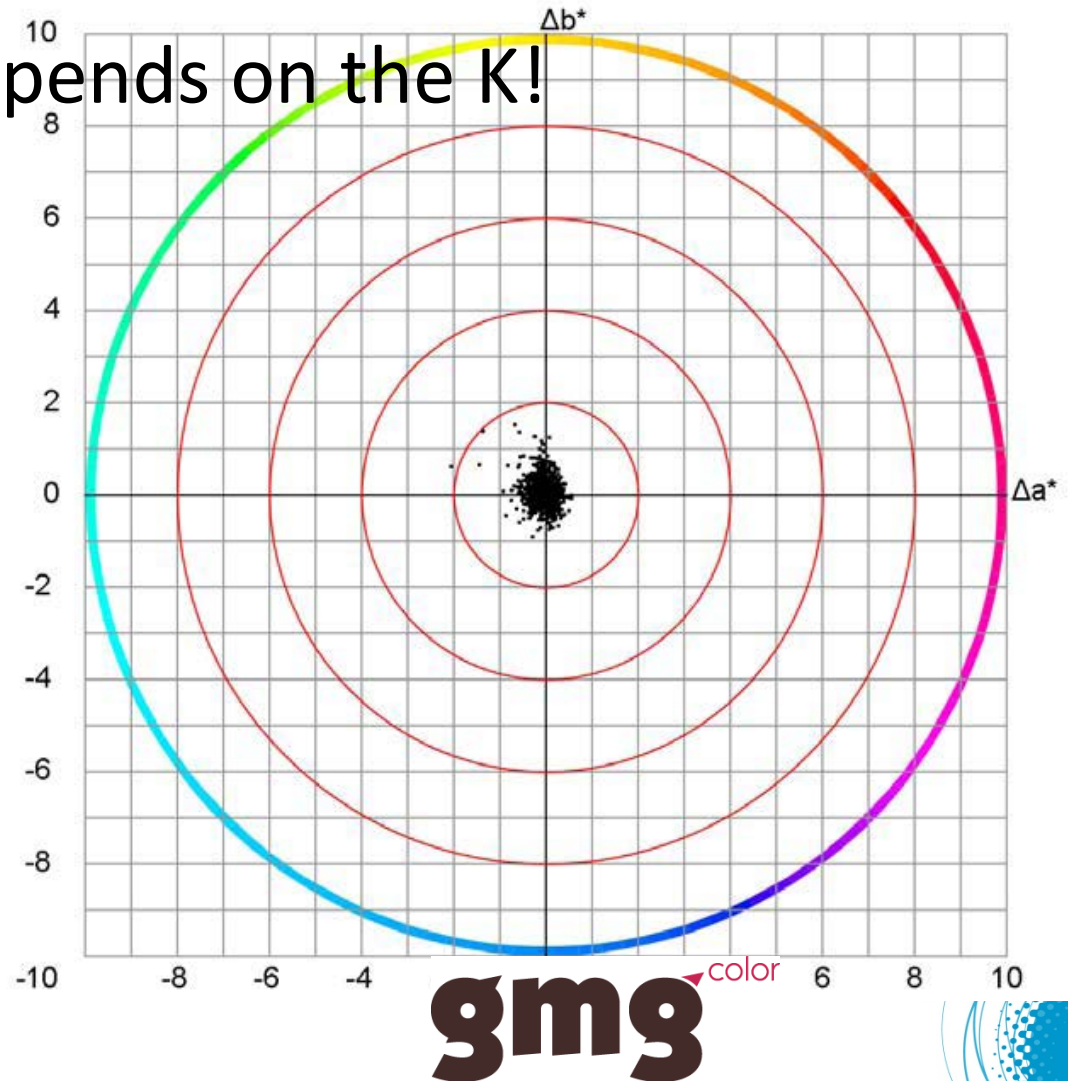
- What's the best CMY .. K ?

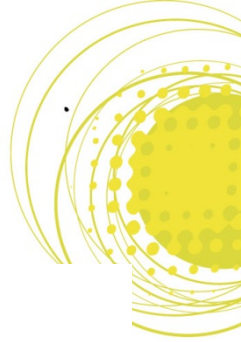
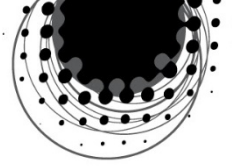




- It very much depends on the K!

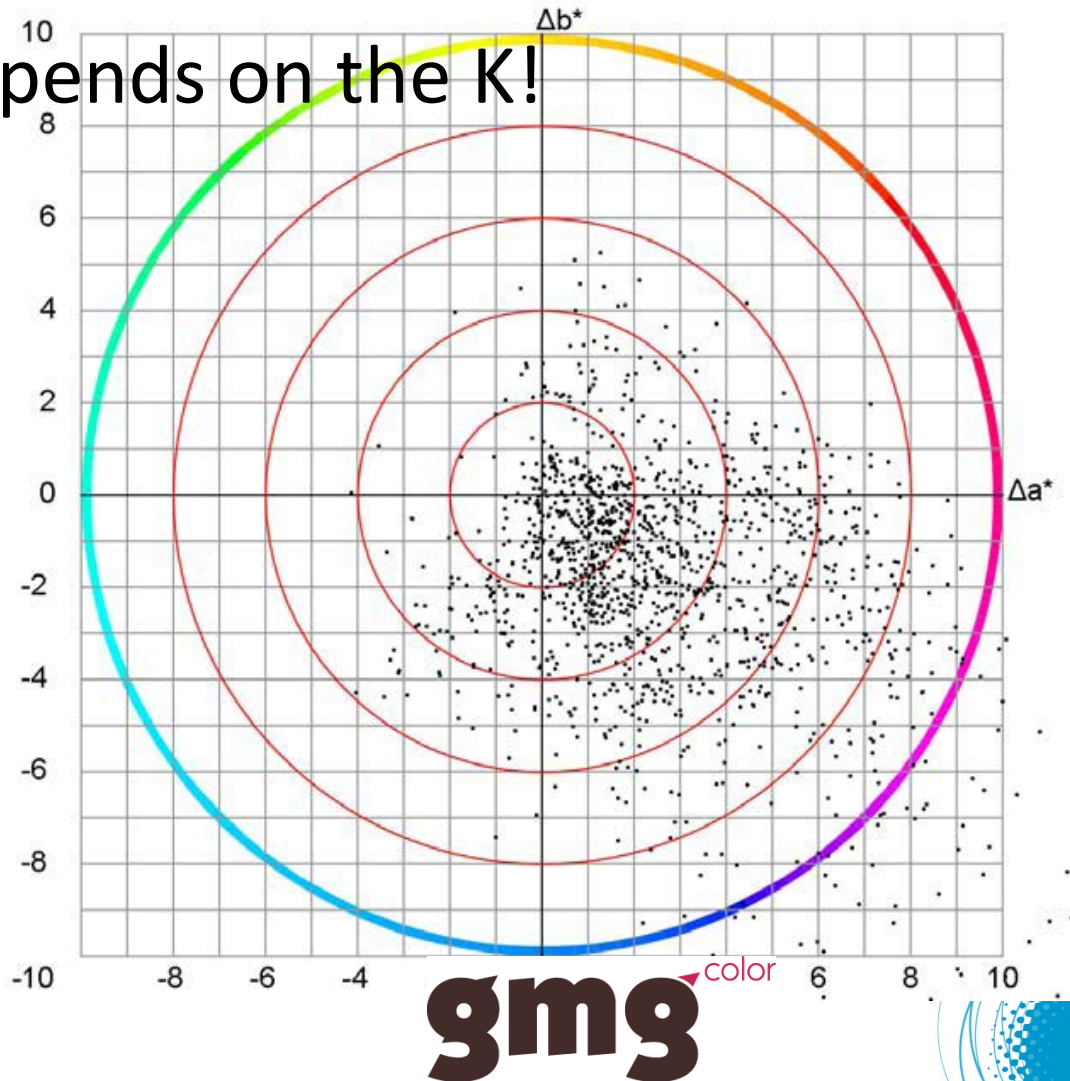
Proof

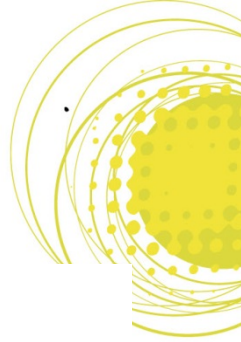
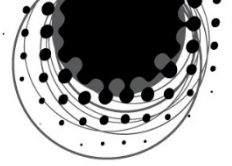




- It very much depends on the K!

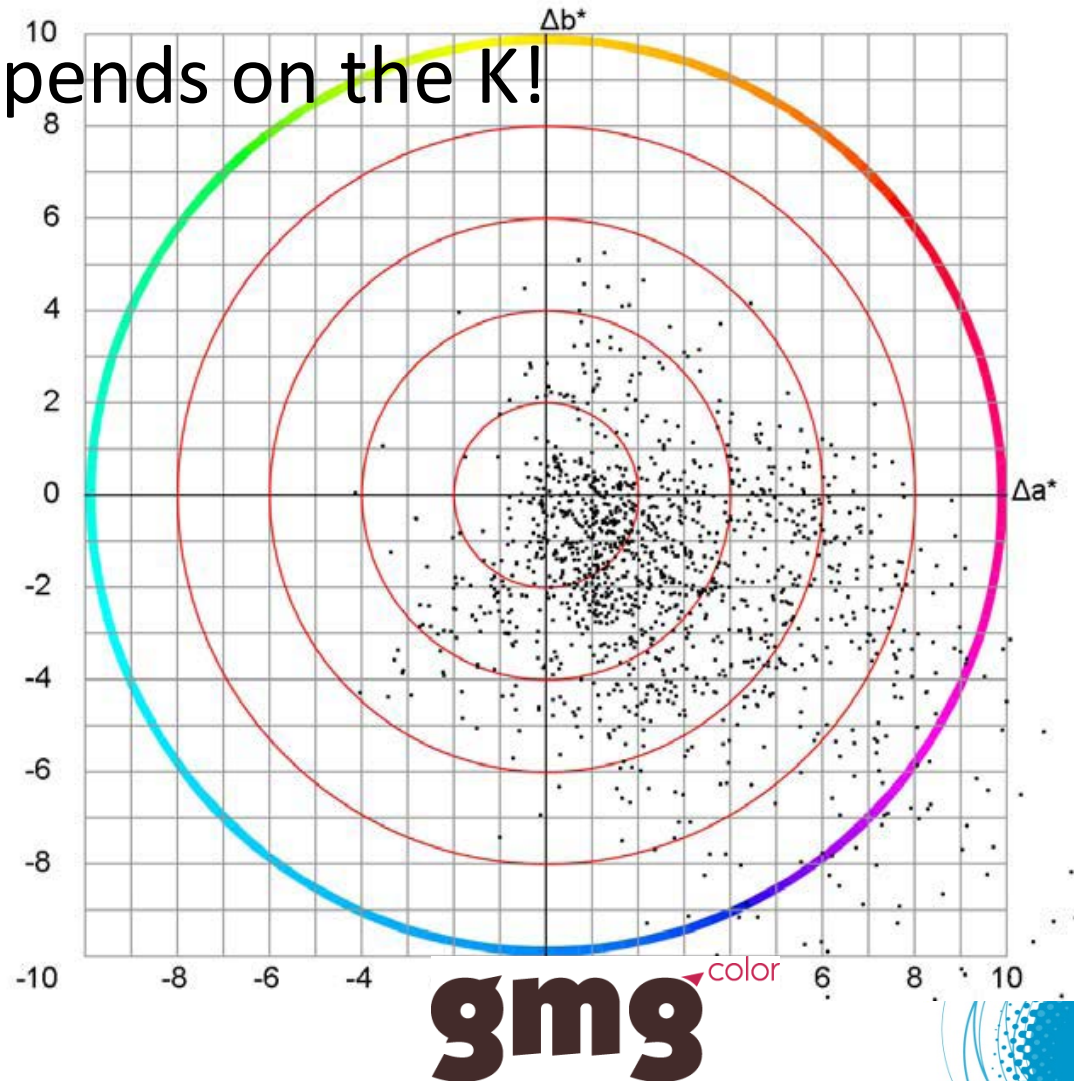
Print:
separation
from
“Standard-ICC”

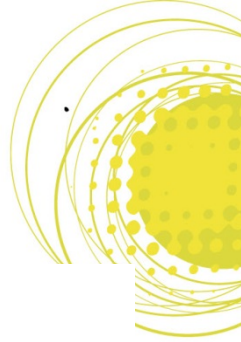
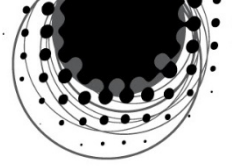




- It very much depends on the K!

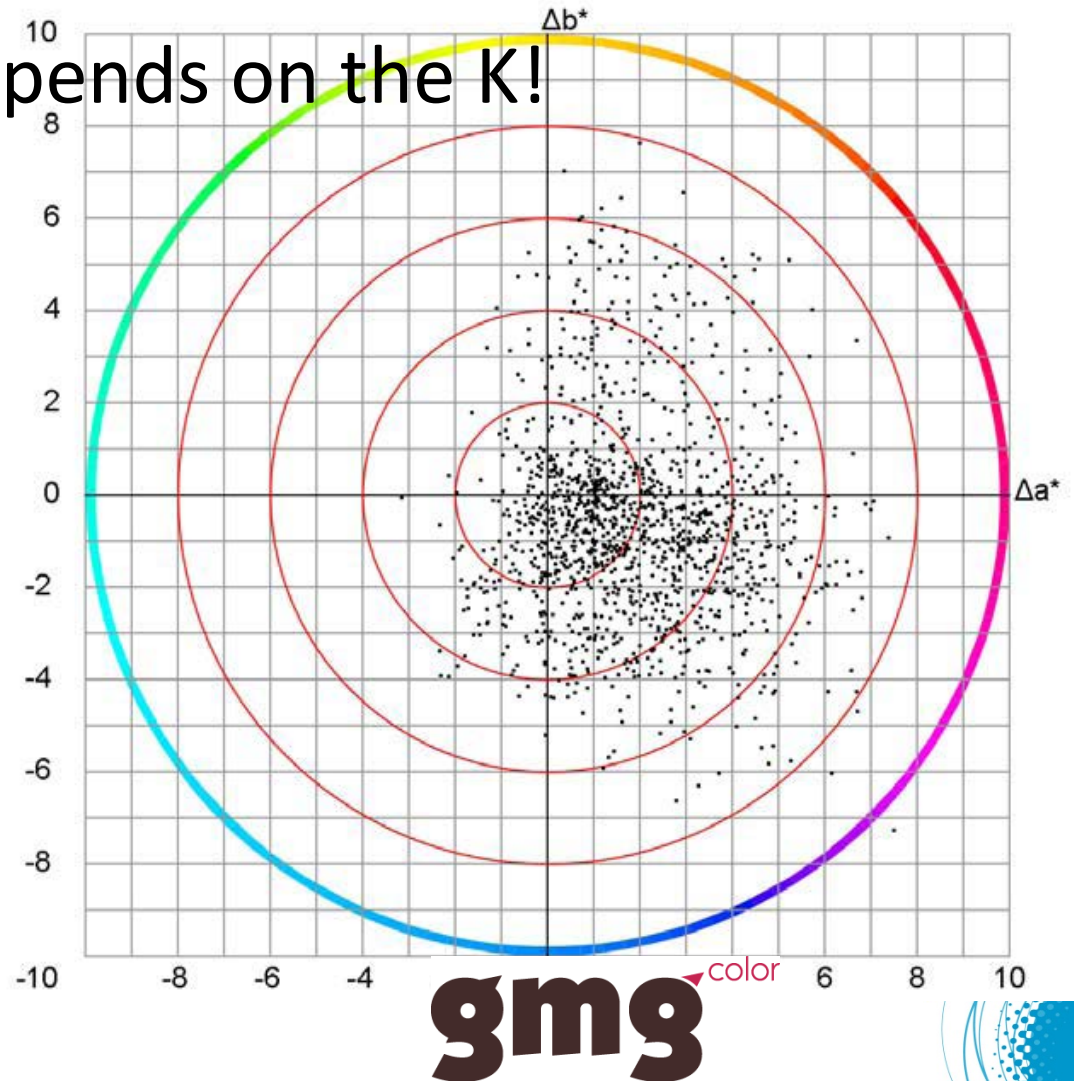
Print:
solids, TVI
and spread
in
tolerance

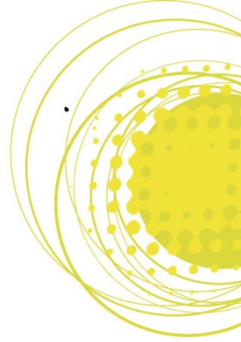
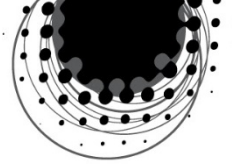




- It very much depends on the K!

Same Print:
GCR-separation

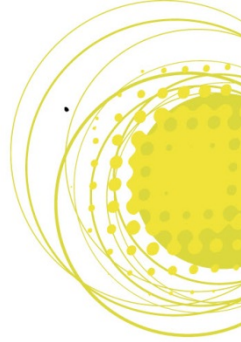
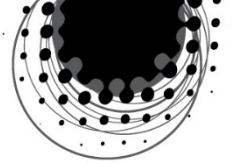




- How press variation affects the image:

press is set perfectly to ISO reference

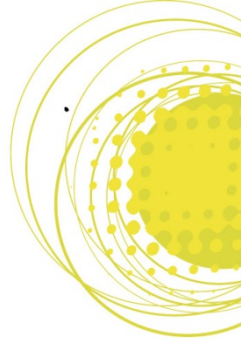
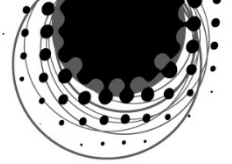




- How press variation affects the image:

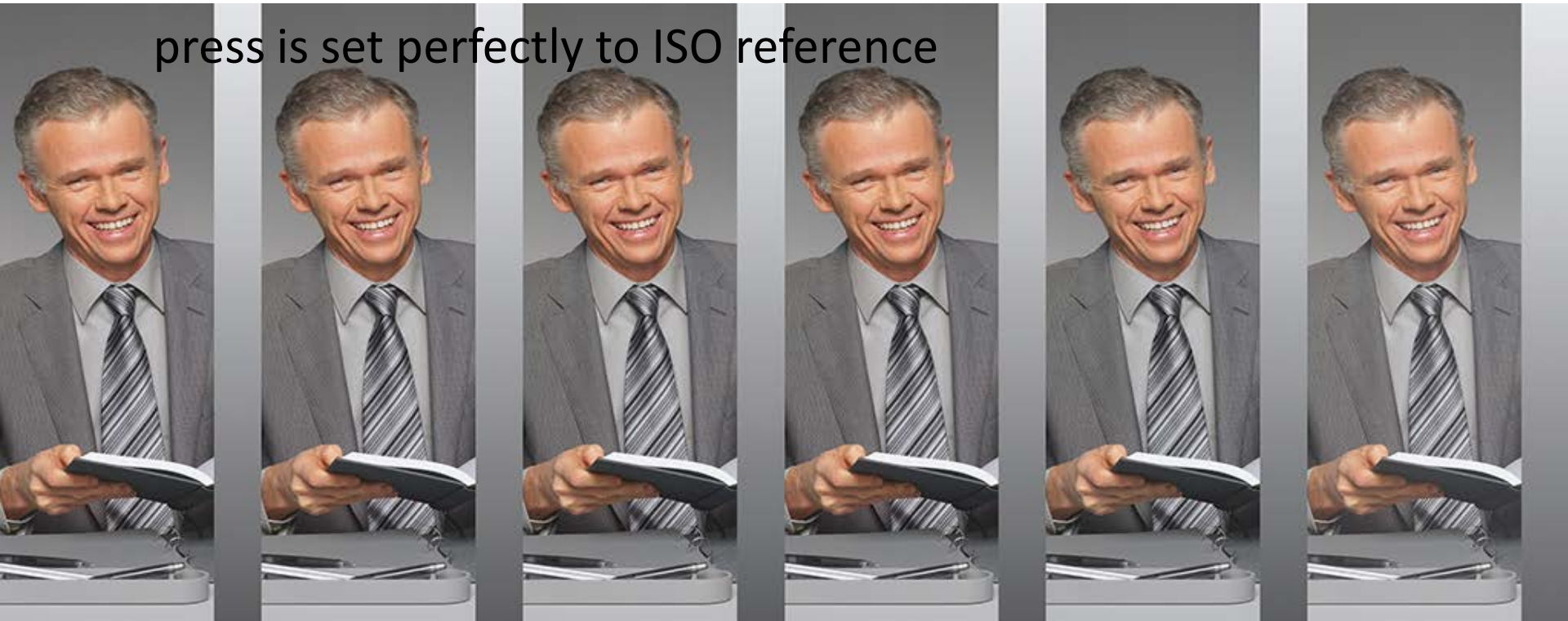
printed with higher density in Magenta, lower in Cyan

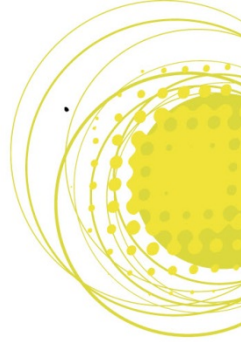
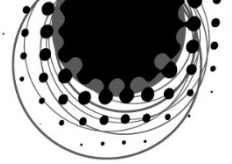




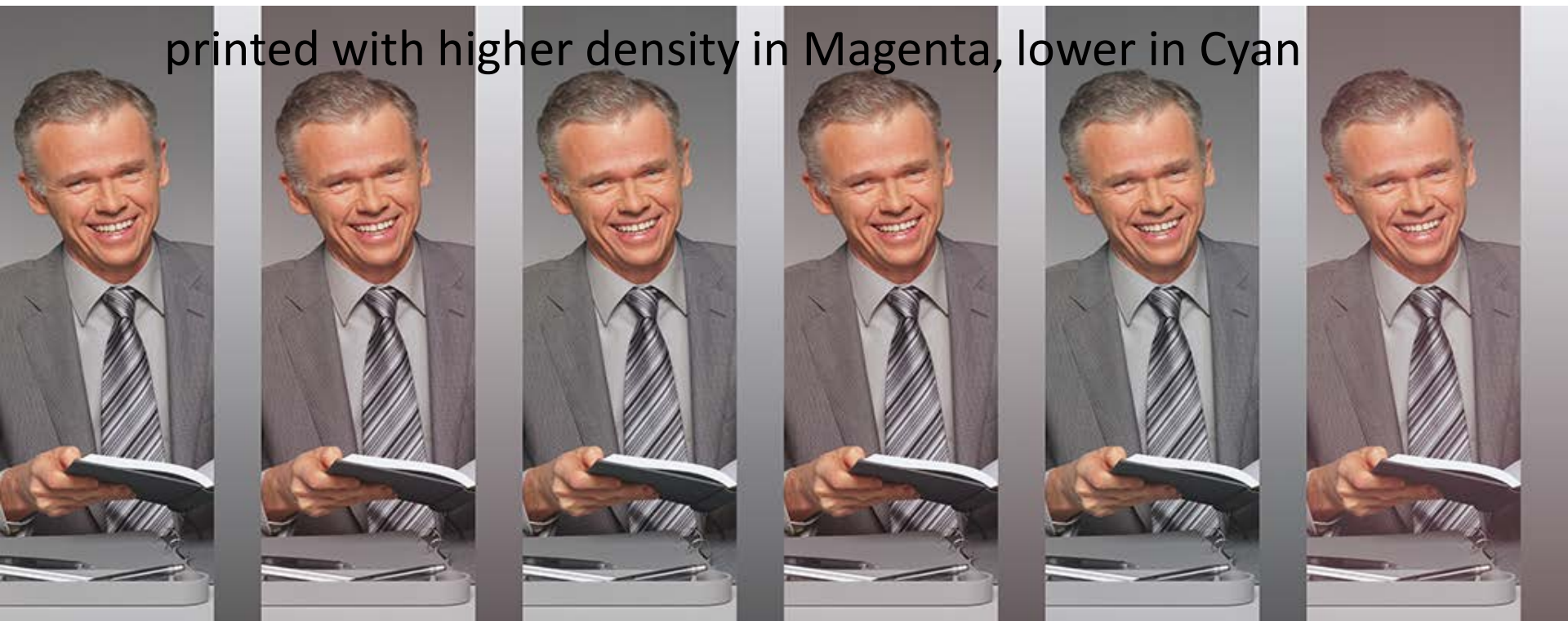
- How press variation affects the image:

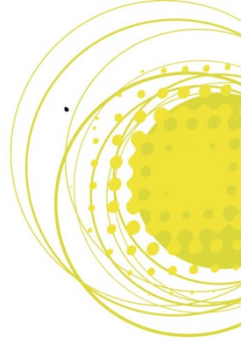
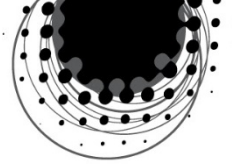
press is set perfectly to ISO reference





- How press variation affects the image:





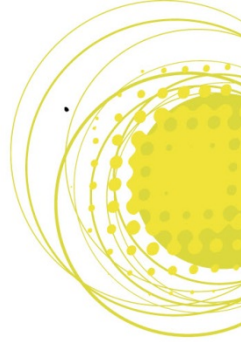
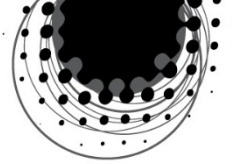
pro GCR

- Faster make-ready
- Improves color from press compared to proof
- Lower production tolerances in color
- Lower ink consumption
- Easier to “retouch” color on press
- Faster press run

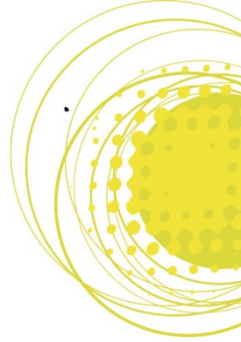
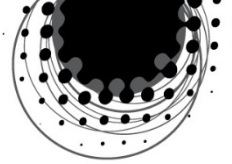
contra GCR*

- No “retouch” on grey on press
- Risk of noisy print *
- Shadowing on skin tones*
- Image density goes down*





- The perfect separation on press
 - is depending on many variables of the process
 - is GCR (remind the *)
 - quality is depending on tools
 - respect the restrictions in your use-case
 - ... and outbid your potentials 😊 !



thank you



Come and talk to us on the RSG-solutions booth
Hall11 G50

