

Colour management by a change of the *rgb* data within the colour workflow before the linearized output

See ISO-Ergonomics of human-systems interaction – Field assessment methods for electronic visual displays

For ISO-test charts according to ISO 9241-306:2018 see: <http://standards.iso.org/iso/306/ed-2/index.html>

Computer software of
an ergonomic colour
processor (ECP),
it includes 1MR

rgb

Software RIP
calculates transfer
rgb → *rgb'*

rgb start

rgb' linearized

Appropriate fixed transfer *T*:¹⁾

rgb - *T* - *cmyk* with 100% UCR

rgb' - *T* - *cmyk'* with 100% UCR

for example, if:

$r=g=b$, then $k=1-r$, and $c=m=y=0$

$c=m=y$ and $k=0$, then $k=c$ and $c=m=y=0$

cmyk

cmyk'

Output (*cmyk*):

offset print
(all PS-)printer
digital print

729 measurement data in CIELAB colour space

¹⁾ For an example see the printed english version of <http://standards.iso.org/iso/306/ed-2/ES15.PDF>

This offset print includes the start and linearized output of many analog ISO-test charts of ISO 9241-306.

For linearization methods see Klaus Richter (2016), 1,4MB, http://farbe.li.tu-berlin.de/OUTLIN16_01.PDF