

The visual 16 step spacing depends on hardware, software, and environment, for example on screen reflections of ambient light

computer display,
for example LCD

prepare 8 gamma values
2,40 2,22, ..., 1,32, 1,14
for computer display output
in computer operating system

and/or external display,
for example VGA

prepare 8 gamma values
1,75, 2,00, ..., 3,25, 3,50
for external display output
in computer operating system

Start

Use the achromatic file which produces one page:
http://farbe.li.tu-berlin.de/AE06/AE06FOPX_CY8_1.PDF
or use a chromatic file with an image:
http://farbe.li.tu-berlin.de/AE17/AE17FOPX_CY8_1.PDF

computer
display

Use start gamma value 2,4
or next gamma value
2,22, 2,04, ..., 1,32, 1,14

and/or external
display

Use start gamma value 1,75
or next gamma value
2,00, 2,25, ..., 3,25, 3,50

Are the
16 greys
visually
equally
spaced?

Yes

Start of
visual ISO method
for evaluation of
ISO-test
chart output

No

Last of
all gamma
values?

Yes

Stop: test failure

No

Try method with 8 increasing gamma values:
2,40 2,58, 2,76, 2,94, 3,12, 3,30, ...
instead of 8 decreasing gamma values 2,40 2,22, ...

AE840-7N

TUB-test chart AE84; Display Output Linearization
Change of gamma values according to ISO 9241-306

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Start

Use the achromatic file which produces one page:
http://standards.iso.org/iso/9241/306/ed-2/AE06/AE06FOPX_CY8_1.PDF
or use a chromatic file with an image:
http://standards.iso.org/iso/9241/306/ed-2/AE17/AE17FOPX_CY8_1.PDF

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AE841-7N

input: w/rgb/cmyk -> w/rgb/cmyk_
output: no change