

**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/AE06F0PX_CY8_1.PDF
or use a chromatic file with an image:
http://farbe.li.tu-berlin.de/AE17/AE17F0PX_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/AE06F0PX_CY8_1.PDF
or use a chromatic file with an image:
http://standards.iso.org/iso/9241/306/ed-2/AE17/AE17F0PX_CY8_1.PDF

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AE841-7N

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