

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

Test file produces one page, use:
www.ps.bam.de/ME16/10L/L16E00NP.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
ISO/IEC method
for evaluation of
ISO/IEC-test
chart output

No

Last of
all gamma
values?

Yes

Stop: test failure

No

Try method with 16- or 4-page file:
www.ps.bam.de/ME15/10L/L15E00FP.PDF
www.ps.bam.de/ME17/10L/L17E00FP.PDF

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Test chart ME14 according to ISO 9241-306; linearisation method
for test chart with 16 grey steps; Flow chart of two test methods

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

prepare 8 gamma values
2,40, 2,22, ..., 1,32, 1,14
for display output in x=1,...,8
Distiller Startup directories

Start

Test file produces one page, use:
www.ps.bam.de/ME16/10L/L16E00NA.PS
or any other "setgray" PS-test file

copy www.ps.bam.de/ME16/L16Ex.DAT
for 8 gamma values 2,40, 2,22, ..., 1,32, 1,14
to the x=1,...,8 Distiller Startup directories

Transfer from PS to PDF file
with next Distiller x: Use
start gamma value 2,4
or next gamma value
2,22, 2,04, ..., 1,32, 1,14

Are the
16 greys
visually equally
spaced?

Yes

Start of
ISO/IEC method
for evaluation of
ISO/IEC-test
chart output

No

Last of
all gamma
values?

Yes

Stop: test failure

No

Try method with 16- or 4-page file:
www.ps.bam.de/ME15/10L/L15E00FP.PDF
www.ps.bam.de/ME17/10L/L17E00FP.PDF

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input: w* setgray
output: w* setgray