

see similar files: <http://farbe.li.tu-berlin.de/AE46/AE46L2NP.PDF> /
technical information: <http://farbe.li.tu-berlin.de/> or <http://farbe.li.tu-berlin.de/AE.HTM>



Discriminability of chromatic colours

Remarks: This test uses many colour scales of 9 steps

Hue plane Red - Cyan blue (rows 01 to 09, column b to j)

Discriminability of 81 chromatic colours

Are all the 81 colours different?

Yes/No

Only in case of "No": How many are different? Of the 81 are different

Hue plane Yellow - Blue (rows 10 to 18, column b to j)

Discriminability of 81 chromatic colours

Are all the 81 colours different?

Yes/No

Only in case of "No": How many are different? Of the 81 are different

Hue plane Green - Magenta red (rows 19 to 27, column b to j)

Discriminability of 81 chromatic colours

Are all the 81 colours different?

Yes/No

Only in case of "No": How many are different? Of the 81 are different

Result: Of the 243 (=3x81) colours are different

Artifacts, please describe if visible:

Remarks about the creation and content of the PDF files:

Sometimes "colour smoothing" is a default setting.
In this case the 9 steps are often not visible and may be counted as one step.
Sometimes "optimizing the PDF output for the web" is a default setting.
For example this setting may reduce the 1080 colours on a page to 256 colours.

1-003110-L0 cmy6

Documentation of file format, hardware and software for this test:

PDF file:

http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_1.PDF

underline: Yes/No

PS file:

http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_1.PS

underline: Yes/No

Used computer operating system:

either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the output: underline: monitor/data projector/printer

Device model, driver and version:.....

output with PDF/PS-file:

underline: PDF/PS file

For output with PDF file AE46F0PX_CY8_1.PDF

either PDF-file transfer "download, copy" to PDF device.....
or with computer system interpretation by "Display-PDF":.....
or with software. e. g. Adobe-Reader/-Acrobat and version:.....
or with software e. g. Ghostscript and version:.....

For output with PS file AE46F0PX_CY8_1.PS

either PS-file transfer "download, copy" to PS device.....
or with computer system interpretation by "Display-PS":.....
or with software e. g. Ghostscript and version:.....
or with software e. g. Mac-Yap and version:.....

Special remarks: e. g. output of Landscape (L)

part 3,

AE460-7dd: 00301

Form A: Test chart AE46 similar to test chart 1 of DIN 33872-6
1080 standard colours; Test chart similar to DIN 33872-6



Agreement with elementary colours

Remarks: This test uses many colour scales of 9 steps

Red R_e and Green G_e are defined by the visual criteria: *neither yellowish nor blueish*.
Yellow Y_e and Blue B_e are defined by the visual criteria: *neither reddish nor greenish*.

Hue plane Red - Cyan blue (rows 01 to 09, column b to j)

Agreement with elementary colours

Is the colour at the position (j,01) the elementary colour Red R_e ?

Yes/No

Only in case of "No": The colour at this position appears:

yellowish/blueish

Hue plane Yellow - Blue (rows 10 to 18, column b to j)

Agreement with elementary colours

Is the colour at the position (j,10) the elementary colour Yellow Y_e ?

Yes/No

Only in case of "No": The colour at this position appears:

reddish/greenish

Is the colour at the position (b,18) the elementary colour Blue B_e ?

Yes/No

Only in case of "No": The colour at this position appears:

reddish/greenish

Hue plane Green - Magenta red (rows 19 to 27, column b to j)

Agreement with elementary colours

Is the colour at the position (j,19) the elementary colour Green G_e ?

Yes/No

Only in case of "No": The colour at this position appears:

yellowish/blueish

Result: Of the 4 elementary colours (e. g. 3) are acceptable as elementary colours.

Discriminability of 9 and 16 grey steps

Discriminability of 9 steps (rows 01 to 09, column k to n)

Are the 9 steps distinguishable?

Yes/No

If No: How many can be distinguished? of 9 greys are distinguishable.

Discriminability of 16 steps (rows 10 to 27, column k to n)

Are the 16 steps distinguishable?

Yes/No

If No: How many can be distinguished? of 16 greys are distinguishable.

Artifacts, please describe if visible:

Remarks about the creation and content of the PDF files:

Sometimes "colour smoothing" is a default setting.
In this case the 9 steps are often not visible and may be counted as one step.
Sometimes "optimizing the PDF output for the web" is a default setting.
For example this setting may reduce the 1080 colours on a page to 256 colours.

1-003110-L0 cmy6

Documentation of assessor colour-vision properties for visual assessment

The assessor has **normal** colour vision according to one test:

either according to DIN 6160:1996 with Anomaloskop of Nagel

or with test charts using colour points according to Ishihara

or tested with, please specify:

underline: Yes/No

underline: Yes/unknown

underline: Yes/unknown

underline: Yes/unknown

For visual evaluation of the display (Monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky)

underline: Yes/No

PDF file: http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_3.PDF

underline: Yes/No

PS file: http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_3.PS

underline: Yes/No

picture A7_{dd} contrast range: (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)

underline: Yes/No

compare standard print output according to ISO/IEC 15775 with range F:0

Remark: In daylighted offices the contrast range is in many cases:

on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)

Only for optional colorimetric specification with PDF/PS file output

PDF file: http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_3.PDF

underline: Yes/No

PS file: http://farbe.li.tu-berlin.de/AE46/AE46F0PX_CY8_3.PS

underline: Yes/No

picture A7_{dd}

or underline: Yes/No

colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry:

underline: Yes/No

If No, please give other parameters:

Colorimetric specification for 17 step colours of <http://farbe.li.tu-berlin.de/OE70/OE70L1NP.PDF>

Exchange of CIELAB data in file <http://farbe.li.tu-berlin.de/AE82/AE82L0NP.TXT> and transfer

of the PS file AE82L0NP.PS (=.TXT) to the PDF-file AE82L0NP.PDF

underline: Yes/No

If No, please describe other method:

AE461-7dd: 00301

input: *rgb/cmy0/000n/w set...*
output: *->rgb_{dd} setrgbcolor*