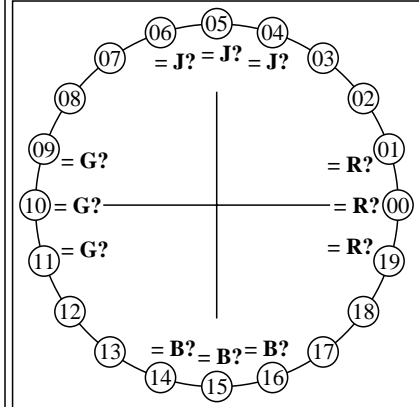


Agreement with elementary hues (Yes/No decision)



There are four elementary hues on each page: Red R, Yellow J (=french Jaune), Green G, and Blue B.
Input data 1 0 0 should produce Red R.
Input data 0 1 0 should produce Green G.
Input data 0 0 1 should produce Blue B.
Input data 1 1 0 should produce Yellow J.
The elementary hues Red R and Green G should locate on the horizontal axis.
The elementary hues Yellow J and Blue B should locate on the vertical axis.
This test uses a hue circle with 20 hues.
No. 00 and 10 should be Red R and Green G.
No. 05 and 15 should be Yellow J and Blue B.

Are no. 00, 05, 10, and 15 the four elementary hues R, J, G and B? underline: Yes/No
Only in case of "No":

- Elementary Red R is hue step no. (e. g. 00, 01, 19) (neither yellowish nor blueish)
- Elementary Yellow J is hue step no. (e. g. 05, 04, 06) (neither reddish nor greenish)
- Elementary Green G is hue step no. (e. g. 10, 09, 11) (neither yellowish nor blueish)
- Elementary Blue B is hue step no. (e. g. 15, 14, 16) (neither reddish nor greenish)
- Result: Of the 4 elementary hues (e.g. three) are at the intended location

Part 1

XE830-3

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

PDF-File: either www.ps.bam.de/XE83/10L/L83E00NP.PDF underline Yes/No
or www.ps.bam.de/XE83/10P/P83E00NP.PDF or underline Yes/No

PS-File: either www.ps.bam.de/XE83/10L/L83E00NA.PS or underline Yes/No
or www.ps.bam.de/XE83/10P/P83E00NA.PS or underline Yes/No

Used computer operating system:

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

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

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

Device output with PDF/PS-file: underline PDF/PS-file

For device output with PDF-file (L/P)83E00NP.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 device output with PS-file (L/P)83E00NA.PS:

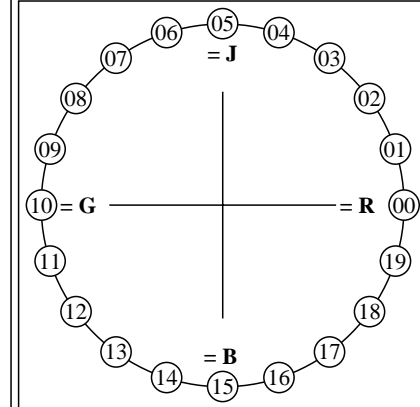
- either PS-file transfer "download, copy" to PS device.....
- or with computer system interpretation by "Display-PS":.....
- or with software e. g. Ghostscript and version:.....
- or with software e. g. Mac-Yap and version:.....

Special remarks, e. g. output of Landscape (L) file L83E00NA.PS was cutted,
Portrait (P) file P83E00NA.PS was used:.....

Part 3

XE830-5

Discriminability of colours with 20 hues (Yes/No decision)



There are four elementary hues on each page: Red R, Yellow J (=french Jaune), Green G, and Blue B.
Input data 1 0 0 should produce Red R.
Input data 0 1 0 should produce Green G.
Input data 0 0 1 should produce Blue B.
Input data 1 1 0 should produce Yellow J.

Four hue steps are between:
Red R and Yellow J, Yellow J and Green G,
Green G and Blue B, and Blue B and Red R.

This test uses a hue circle with 20 hues.

All 20 hues should be distinguishable.

For this test it is **not** necessary:

- All 19 differences are visually equal.
- Elementary hues locate at 00, 05, 10, and 15.

Are all 20 colours of the 20 hues distinguishable? underline: Yes/No

Only in case of "No":

- The colours of the two hue steps no. (e. g. 00 and 01) are not distinguishable
- The colours of the two hue steps no. (e. g. 14 and 15) are not distinguishable
- The colours of the two hue steps no. (e. g. 15 and 16) are not distinguishable
- List other pairs:
- Result: Of the 19 hue differences are (e.g. 18) differences visible

Part 2

XE831-3

Documentation of assessor colour vision properties for visual assessment

The assessor has **normal** colour vision according to one test: underline Yes/No
either according to DIN 6160 with Anomaloskop of Nagel underline Yes/unknown
or with test charts using colour points according to Ishihara underline Yes/unknown
or tested with, please specify: underline Yes/unknown

Only for display (monitor, data projector) output:

Office workplace illumination is daylight (clouded/north sky) underline Yes/No
PDF-file output with www.ps.bam.de/XE75/10L/L75E00NP.PDF underline Yes/No
Comparison of contrast range of 16 steps F to 0 with test chart no. 3 of DIN 33866-1
give contrast range: (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)

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

on paper between: >F:0 (highly glossy), F:0 (silk glossy) and E:0 (matte)
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: either www.ps.bam.de/XE27/10L/L27E00NP.PDF underline Yes/No
or www.ps.bam.de/XE27/10P/P27E00NP.PDF or underline Yes/No

PS-File: either www.ps.bam.de/XE27/10L/L27E00NA.PS or underline Yes/No
or www.ps.bam.de/XE27/10P/P27E00NA.PS 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 with PS file for colours in the columns A to T

Exchange of CIELAB data in file www.ps.bam.de/XE30/10L/L30E00NP.PS and transfer of the PS-file L30E00NP.PS in PDF-file L30E00NP.PDF underline Yes/No
If No, please describe other method:

Part 4

XE831-5

See for similar files: <http://www.ps.bam.de/XE83/>; www.ps.bam.de/XE83/; www.ps.bam.de/XE83/
Technical information: <http://www.ps.bam.de>
Version 2.1, io=1,1

BAM registration: 20070301-XE83/10P/P83E01NP.PS/.PDF
application for output of monitor, data projector, or printer systems
BAM material: code=rhadtA