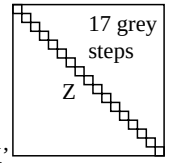
See for similar files: http://www.ps.bam.de/XE87/; www.ps.bam.de/XE.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1

BAM registration: 20070301-XE87/10L/L87E01NP.PS/.PDF BAM material: code=rha4ta
application for output of monitor, data projector, or printer systems

Equivalent spacing for separate and adjacent colours (Yes/No decision)

Layout example of the hue plane O−C, Y−V oder L−M mit 17 grey steps



There are three opposite hue planes O−C, Y−V, and L−M.
The colour steps are separate in the upper figure part and ajacent in the lower figure part.
Between N and W there are 9 grey steps.
Mean grey Z is the mean step of N−W.

All the stepings of the three hue planes O−L, Y−V and L−M should be equivalent for separate and adjacent colours.

Is the spacing equivalent for separate and adjacent colours? **underline: Yes/No**

Remark: The spacing is not equivalent if there is at least one Yes in one of the following cases; for example see Annex (X):

Is there a continuous colour change for adjacent colours and not for separate colours? underline: Yes/No

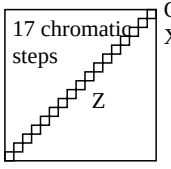
Are there maxima and minima in the colour change for adjacent colours and not for separate colours? underline: Yes/No

Remarks:.....

Part 1 XE870−3

Regular chromatic spacing between colours Z−X' and Z−X (Yes/No decision)

Layout example of the hue plane O−C, Y−V oder L−M mit 17 chromatic steps



There are three opposite hue planes O−C, Y−V, and L−M.
The colour steps are separate in the upper part and ajacent ajacent in the lower part.
Between X' and X there are 17 chromatic steps.
Mean grey Z is the mean step of X'−X.

All chromatic steps of the three hue planes O−L, Y−V and L−M should be regular for separate and adjacent colours without large chromatic jumps at mean grey Z

Is the colour spacing regular at mean grey Z? **underline: Yes/No**

Remark: The colour spacing is not regular if there is at least one Yes in one of the following cases; for example see Annex (X):

Are there colour jumps at the mean grey colour Z towards X or X' for adjacent colours? underline: Yes/No

Are there colour jumps at the mean grey colour Z towards X or X' for separate colours underline: Yes/No

Remarks: A colour jump has at least twice the colour change compared to the mean change.

Part 2 XE871−3

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

PDF-File: either www.ps.bam.de/XE87/10L/L87E00NP.PDF **underline Yes/No**
or www.ps.bam.de/XE87/10P/P87E00NP.PDF **or underline Yes/No**
PS-File: either www.ps.bam.de/XE87/10L/L87E00NA.PS **or underline Yes/No**
or www.ps.bam.de/XE87/10P/P87E00NA.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)87E00NP.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)87E00NA.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 L87E00NA.PS was cutted, Portrait (P) file P87E00NA.PS was used:.....
.....
.....

Part 3 XE870−5

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 XE871−5