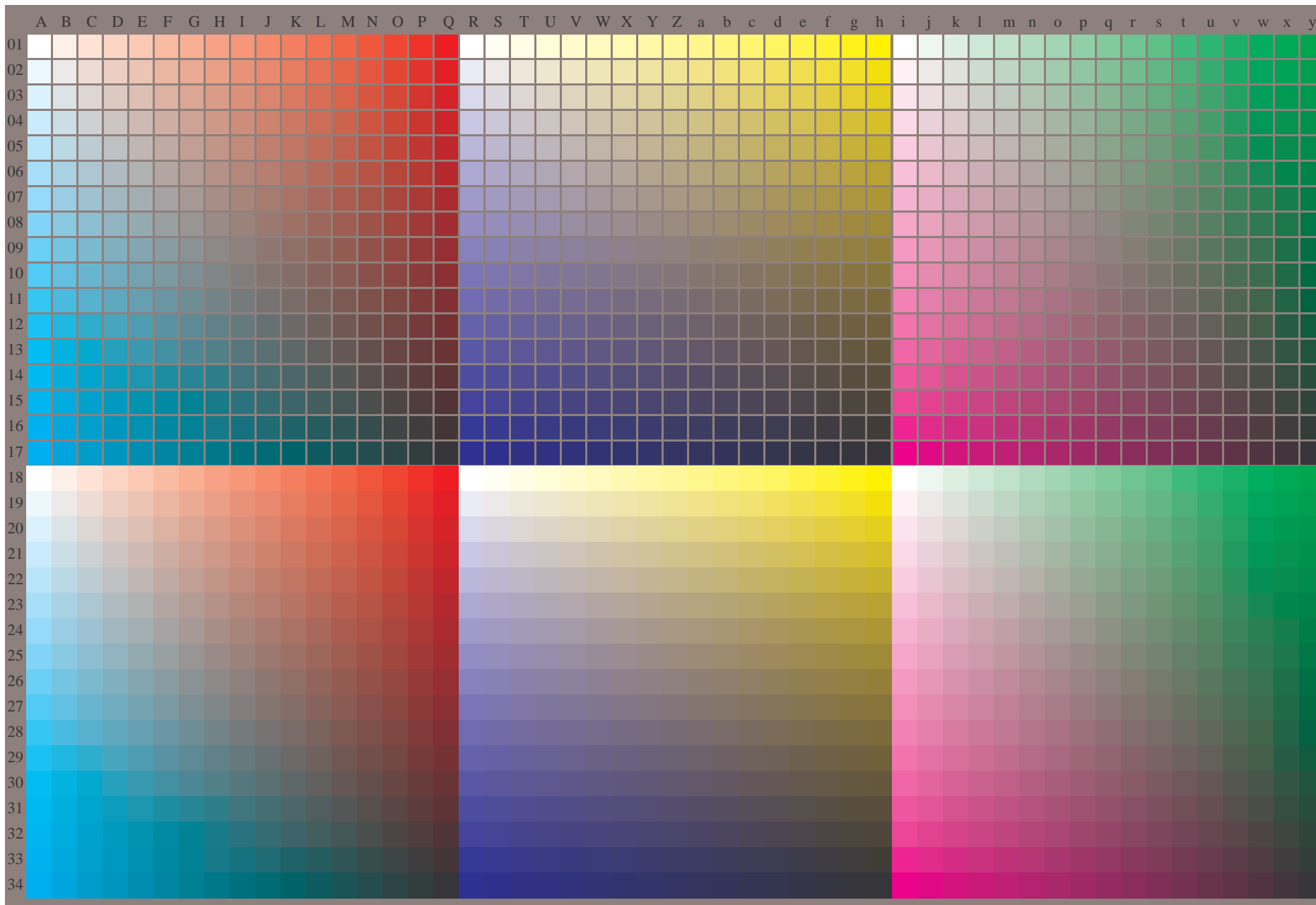


See for similar files: <http://www.ps.bam.de/XE87/>; [www.ps.bam.de/XE87/10P/P87E00NP.PS/.PDF](http://www.ps.bam.de/XE87/10P/P87E00NP.PS/.PDF)  
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM registration: 20070301-XE87/10P/P87E00NP.PS/.PDF BAM material: code=rh4ta  
application for output of monitor, data projector, or printer systems

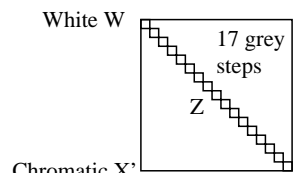


XE870-7N, Test chart with 51x34=1734 separate and adjacent colours; digital 17 step scales; cmyk colour data, patch sizes: 4,2mm x 4,2mm and 4,8mm x 4,8mm, Page 1/2

BAM-test chart XE87; Relative colour reproduction, Page 1/2, input: *cmy0(->cmy0\*)setcmykcolor*  
Equivalent; regular chromatic spacing of O-C, Y-V, and L-M output: no change compared to input

### 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



Chromatic X  
X = O, Y, L

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.

Black N

Chromatic X'  
X' = C, V, M

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

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

**PDF-File:** either www.ps.bam.de/XE87/10L/L87E00NP.PDF  
or www.ps.bam.de/XE87/10P/P87E00NP.PDF

underline: Yes/No  
or underline: Yes/No

**PS-File:** either www.ps.bam.de/XE87/10L/L87E00NA.PS  
or www.ps.bam.de/XE87/10P/P87E00NA.PS

underline: Yes/No  
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:.....

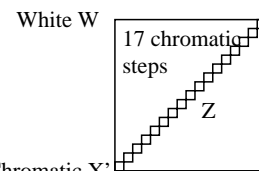
Special remarks, e. g. output of Landscape (L) file L87E00NA.PS was cutted,  
Portrait (P) file P87E00NA.PS was used:.....

Part 3

XE870-5

### 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



Chromatic X  
X = O, Y, L

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.

Black N

Chromatic X'  
X' = C, V, M

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 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  
or with test charts using colour points according to Ishihara  
or tested with, please specify: .....

underline: Yes/unknown  
underline: Yes/unknown  
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 underline: Yes/No

**PS-File:** either www.ps.bam.de/XE27/10L/L27E00NA.PS underline: Yes/No  
or www.ps.bam.de/XE27/10P/P27E00NA.PS 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