Technical Report BAM(8710/20/30/40)E

Colour Series of 16 equidistant colour steps in CIELAB colour space between White *W* and 6 colours *CMYOLV* according to ISO/IEC 15775 in linear and x-chart arrangement

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http://o2.ps.bam.de/INFVM03/8710/BAM8710E.PDF

http://o2.ps.bam.de/INFVM03/8710/BAM8710E.HTM

Data and URL addresses:

The Technical Reports 8710, 8720, 8730, and 8740 include *cmyolv** data for 16-step equally spaced colour series in *linear* and *x-chart* arrangement. The PostScript files of these reports include 16-step equidistant data in *convenor** coordinates between White *W* and *CMYN* (series 8710), *W* and *OLVN* (series 8720), Black *N* and *CMYW* (Series 8730), and Black *N* and *OLVW* (Series 8740) both in linear arrangement (2 times the same 4 colours) and *x-chart* arrangement (2 times one of four colours *CMYN, OLVN, CMYW,* and *OLVW)*

This is therefore a **multipage (8-page) presentation** for xchart=0,1 and xcolor=0,1,2,3:

For xchart=0:

xcolor = 0: Eight identical series *CMYN, OLVN, CMYW, OLVW* (using data *cmy0** and *cmy0** in the digital input file)

xcolor = 1: Two times four series *CMYN, OLVN, CMYW, OLVW* (using data *cmy0** and *cmy1** in the digital input file)

xcolor = 2: Eight identical series *CMYN, OLVN, CMYW, OLVW* (using data *cmy1** and *cmy1** in the digital input file)

xcolor = 3: Two times four series *CMYN, OLVN, CMYW, OLVW* (using data *cmy1** in the digital input file and *cmy2** stored in the PS-RIP system)

For xchart=1:

xcolor = 0: x-chart arrangement of 2 times one colour *CMYOLVN* (using data *cmy0** and *cmy0** in the digital input file)

xcolor = 1: x-chart arrangement of 2 times one colour *CMYOLVN* (using data *cmy0** and *cmy1** in the digital input file)

xcolor = 2: x-chart arrangement of 2 times one colour *CMYOLVN* (using data *cmy1** and *cmy1** in the digital input file)

xcolor = 3: x-chart arrangement of 2 times one colour *CMYOLVN* (using data *cmy1** in the digital input file and *cmy2** stored in the PS-RIP system)

It is intended to have the data *cmy2** stored in the PS-RIP Software of Display-PostScript software or in the PS-RIP software of a colour device (e. g. within a PS-Printer). This allows to use the correction data which may be different for every printer and stored in the printer a s different *cmy2** with the intention to produce the same 16-step output colours on every printer for digital reference files with equally spaced data *cmy**.

Remark: This report gives no guidelines how to produce and/or to calculate the data *cmy1** or *cmy2** and how to store these data within the operating system or the PS-device.

Remark: SC28 has produced methods to calculate *cmy1** (SC28-Documents *j28n380, j28n381:* February 2000/Draft of DIN 33872 and charts of DIN 33872, see www.actech.com.br/sc28).

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The Technical Report 8710 includes two different 16-step colour series (F3 and F7) between White *W* and the 4 offset colours *CMYN* of ISO/IEC 15775 with CIE-lightness L^*=95 of White *W* as basis.

http://o2.ps.bam.de/INFVM03/8710/A4Q8710E.PDF

http://o2.ps.bam.de/INFVM03/8710/A4Q8710E.PS

The Technical Report 8720 includes two different16-step colour series (F3 and F7) between White *W* and the 4 offset colours *OLVN* of ISO/IEC 15775 with CIE-lightness L^*=95 of White *W* as basis.

http://o2.ps.bam.de/INFVM03/8720/A4Q8720E.PDF

http://o2.ps.bam.de/INFVM03/8720/A4Q8720E.PS

The Technical Report 8730 includes two different 16-step colour series (F3 and F7) between Black *N* and the 4 offset colours *CMYW* of ISO/IEC 15775 with CIE-lightness L^*=95 of White *W* as basis.

http://o2.ps.bam.de/INFVM03/8730/A4Q8730E.PDF

http://o2.ps.bam.de/INFVM03/8730/A4Q8730E.PS

The Technical Report 8740 includes two different 16-step colour series (F3 and F7) between Black *N* and the 4 offset colours *OLVW* of ISO/IEC 15775 with CIE-lightness L^*=95 of White *W* as basis.

http://o2.ps.bam.de/INFVM03/8740/A4Q8740E.PDF

http://o2.ps.bam.de/INFVM03/8740/A4Q8740E.PS

The Technical Reports 8810, 8820, 8830, 8840, 8850, 8860 include similar data. See for instance:

http://o2.ps.bam.de/INFVM03/8810/TEC8810E.PDF