(olv3* = 0.0, l3*, v3*)

(olv3* = 0.0, 0, 1)

System: ORS18

(olv3* = 0.0, 1, 0)

	A	B	C	D	E
a01	olv3* 0.0 0.0 0.0 (1.0) cmyn3* 1.0 1.0 1.0 (0.0) olvi4* 1.0 1.0 1.0 0.0 cmyn4* 0.0 0.0 0.0 1.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.0 0.25 (1.0) cmyn3* 1.0 1.0 0.75 (0.0) olvi4* 1.0 1.0 1.25 0.0 cmyn4* 0.0 0.0 −0.2491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.0 0.5 (1.0) cmyn3* 1.0 1.0 0.5 (0.0) olvi4* 1.0 1.0 1.5 0.0 cmyn4* 0.0 0.0 −0.4991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.0 0.75 (1.0) cmyn3* 1.0 1.0 0.25 (0.0) olvi4* 1.0 1.0 1.75 0.0 cmyn4* 0.0 0.0 −0.7491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.0 1.0 (1.0) cmyn3* 1.0 1.0 0.0 (0.0) olvi4* 1.0 1.0 2.0 0.0 cmyn4* 0.0 0.0 −0.9991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –
a02	olv3* 0.0 0.25 0.0 (1.0) cmyn3* 1.0 0.75 1.0 (0.0) olvi4* 1.0 1.25 1.0 0.0 cmyn4* 0.0 −0.2490.0 1.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.25 0.25 (1.0) cmyn3* 1.0 0.75 0.75 (0.0) olvi4* 1.0 1.25 1.25 0.0 cmyn4* 0.0 −0.249−0.2491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.25 0.5 (1.0) cmyn3* 1.0 0.75 0.5 (0.0) olvi4* 1.0 1.25 1.5 0.0 cmyn4* 0.0 −0.249−0.4991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.25 0.75 (1.0) cmyn3* 1.0 0.75 0.25 (0.0) olvi4* 1.0 1.25 1.75 0.0 cmyn4* 0.0 −0.249−0.7491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.25 1.0 (1.0) cmyn3* 1.0 0.75 0.0 (0.0) olvi4* 1.0 1.25 2.0 0.0 cmyn4* 0.0 −0.249−0.9991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –
a03	olv3* 0.0 0.5 0.0 (1.0) cmyn3* 1.0 0.5 1.0 (0.0) olvi4* 1.0 1.5 1.0 0.0 cmyn4* 0.0 −0.4990.0 1.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.5 0.25 (1.0) cmyn3* 1.0 0.5 0.75 (0.0) olvi4* 1.0 1.5 1.25 0.0 cmyn4* 0.0 −0.499−0.2491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.5 0.5 (1.0) cmyn3* 1.0 0.5 0.5 (0.0) olvi4* 1.0 1.5 1.5 0.0 cmyn4* 0.0 −0.499−0.4991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.5 0.75 (1.0) cmyn3* 1.0 0.5 0.25 (0.0) olvi4* 1.0 1.5 1.75 0.0 cmyn4* 0.0 −0.499−0.7491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.5 1.0 (1.0) cmyn3* 1.0 0.5 0.0 (0.0) olvi4* 1.0 1.5 2.0 0.0 cmyn4* 0.0 −0.499−0.9991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –
a04	olv3* 0.0 0.75 0.0 (1.0) cmyn3* 1.0 0.25 1.0 (0.0) olvi4* 1.0 1.75 1.0 0.0 cmyn4* 0.0 −0.7490.0 1.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.75 0.25 (1.0) cmyn3* 1.0 0.25 0.75 (0.0) olvi4* 1.0 1.75 1.25 0.0 cmyn4* 0.0 −0.749−0.2491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.75 0.5 (1.0) cmyn3* 1.0 0.25 0.5 (0.0) olvi4* 1.0 1.75 1.5 0.0 cmyn4* 0.0 −0.749−0.4991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.75 0.75 (1.0) cmyn3* 1.0 0.25 0.25 (0.0) olvi4* 1.0 1.75 1.75 0.0 cmyn4* 0.0 −0.749−0.7491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 0.75 1.0 (1.0) cmyn3* 1.0 0.25 0.0 (0.0) olvi4* 1.0 1.75 2.0 0.0 cmyn4* 0.0 −0.749−0.9991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –
a05	olv3* 0.0 1.0 0.0 (1.0) cmyn3* 1.0 0.0 1.0 (0.0) olvi4* 1.0 2.0 1.0 0.0 cmyn4* 0.0 −0.9990.0 1.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 1.0 0.25 (1.0) cmyn3* 1.0 0.0 0.75 (0.0) olvi4* 1.0 2.0 1.25 0.0 cmyn4* 0.0 −0.999−0.2491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 1.0 0.5 (1.0) cmyn3* 1.0 0.0 0.5 (0.0) olvi4* 1.0 2.0 1.5 0.0 cmyn4* 0.0 −0.999−0.4991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 1.0 0.75 (1.0) cmyn3* 1.0 0.0 0.25 (0.0) olvi4* 1.0 2.0 1.75 0.0 cmyn4* 0.0 −0.999−0.7491.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –	olv3* 0.0 1.0 1.0 (1.0) cmyn3* 1.0 0.0 0.0 (0.0) olvi4* 1.0 2.0 2.0 0.0 cmyn4* 0.0 −0.999−0.9991.0 LAB*LAB 18.02 0.5 −0.47 LAB*LABa 18.02 0.0 0.0 LAB*TCHa 0.01 0.01 –

relative Inform. Technology (IT)
standard and *adapted* CIELAB
relative CIELAB *lab**
relative Natural Colour (NC)
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 0.0 –
*lab*nch* 1.0 0.0 –
*lab*lrj* 0.0 0.0 0.0
*lab*tce* 0.0 0.0 –
*lab*ncE* 1.0 0.0 –

LE390−7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; *r3** = *o3** = 0.0 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)
125 colours in CIELAB and three relative device systems (DS)

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/LE39/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1; iORS; oORS, CIELAB

BAM registration: 20040901-LE39/10S/S39E00FP.PS/.PDF
application for measurement of printer or monitor systems

BAM material: code=rha4ta

/LE39/ Form: 1/5, Serie: 1/1, Page: 1 Page: count: 1

(olv3* = 0.25, l3*, v3*)

System: ORS18

(olv3* = 0.25, 0, 1)

(olv3* = 0.25, 1, 0)

	A	B	C	D	E
b01	*relative* Inform. Technology (IT) *olvi3** 0.25 0.0 0.0 (1.0) *cmyn3** 0.75 1.0 1.0 (0.0) *olvi4** 1.25 1.0 1.0 0.0 *cmyn4** −0.2490.0 0.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.0 0.25 (1.0) *cmyn3** 0.75 1.0 0.75 (0.0) *olvi4** 1.25 1.0 1.25 0.0 *cmyn4** −0.2490.0 −0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.0 0.5 (1.0) *cmyn3** 0.75 1.0 0.5 (0.0) *olvi4** 1.25 1.0 1.5 0.0 *cmyn4** −0.2490.0 −0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.0 0.75 (1.0) *cmyn3** 0.75 1.0 0.25 (0.0) *olvi4** 1.25 1.0 1.75 0.0 *cmyn4** −0.2490.0 −0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.0 1.0 (1.0) *cmyn3** 0.75 1.0 0.0 (0.0) *olvi4** 1.25 1.0 2.0 0.0 *cmyn4** −0.2490.0 −0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
b02	*relative* Inform. Technology (IT) *olvi3** 0.25 0.25 0.0 (1.0) *cmyn3** 0.75 0.75 1.0 (0.0) *olvi4** 1.25 1.25 1.0 0.0 *cmyn4** −0.249−0.2490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.25 0.25 (1.0) *cmyn3** 0.75 0.75 0.75 (0.0) *olvi4** 1.25 1.25 1.25 0.0 *cmyn4** −0.249−0.249−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.25 0.5 (1.0) *cmyn3** 0.75 0.75 0.5 (0.0) *olvi4** 1.25 1.25 1.5 0.0 *cmyn4** −0.249−0.249−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.25 0.75 (1.0) *cmyn3** 0.75 0.75 0.25 (0.0) *olvi4** 1.25 1.25 1.75 0.0 *cmyn4** −0.249−0.249−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.25 1.0 (1.0) *cmyn3** 0.75 0.75 0.0 (0.0) *olvi4** 1.25 1.25 2.0 0.0 *cmyn4** −0.249−0.249−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
b03	*relative* Inform. Technology (IT) *olvi3** 0.25 0.5 0.0 (1.0) *cmyn3** 0.75 0.5 1.0 (0.0) *olvi4** 1.25 1.5 1.0 0.0 *cmyn4** −0.249−0.4990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.5 0.25 (1.0) *cmyn3** 0.75 0.5 0.75 (0.0) *olvi4** 1.25 1.5 1.25 0.0 *cmyn4** −0.249−0.4991.0 −0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.5 0.5 (1.0) *cmyn3** 0.75 0.5 0.5 (0.0) *olvi4** 1.25 1.5 1.5 0.0 *cmyn4** −0.249−0.499−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.5 0.75 (1.0) *cmyn3** 0.75 0.5 0.25 (0.0) *olvi4** 1.25 1.5 1.75 0.0 *cmyn4** −0.249−0.499−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.5 1.0 (1.0) *cmyn3** 0.75 0.5 0.0 (0.0) *olvi4** 1.25 1.5 2.0 0.0 *cmyn4** −0.249−0.499−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
b04	*relative* Inform. Technology (IT) *olvi3** 0.25 0.75 0.0 (1.0) *cmyn3** 0.75 0.25 1.0 (0.0) *olvi4** 1.25 1.75 1.0 0.0 *cmyn4** −0.249−0.7490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.75 0.25 (1.0) *cmyn3** 0.75 0.25 0.75 (0.0) *olvi4** 1.25 1.75 1.25 0.0 *cmyn4** −0.249−0.749−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.75 0.5 (1.0) *cmyn3** 0.75 0.25 0.5 (0.0) *olvi4** 1.25 1.75 1.5 0.0 *cmyn4** −0.249−0.749−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.75 0.75 (1.0) *cmyn3** 0.75 0.25 0.25 (0.0) *olvi4** 1.25 1.75 1.75 0.0 *cmyn4** −0.249−0.749−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 0.75 1.0 (1.0) *cmyn3** 0.75 0.25 0.0 (0.0) *olvi4** 1.25 1.75 2.0 0.0 *cmyn4** −0.249−0.749−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
b05	*relative* Inform. Technology (IT) *olvi3** 0.25 1.0 0.0 (1.0) *cmyn3** 0.75 0.0 1.0 (0.0) *olvi4** 1.25 2.0 1.0 0.0 *cmyn4** −0.249−0.9990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 1.0 0.25 (1.0) *cmyn3** 0.75 0.0 0.75 (0.0) *olvi4** 1.25 2.0 1.25 0.0 *cmyn4** −0.249−0.999−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 1.0 0.5 (1.0) *cmyn3** 0.75 0.0 0.5 (0.0) *olvi4** 1.25 2.0 1.5 0.0 *cmyn4** −0.249−0.999−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 1.0 0.75 (1.0) *cmyn3** 0.75 0.0 0.25 (0.0) *olvi4** 1.25 2.0 1.75 0.0 *cmyn4** −0.249−0.999−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.25 1.0 1.0 (1.0) *cmyn3** 0.75 0.0 0.0 (0.0) *olvi4** 1.25 2.0 2.0 0.0 *cmyn4** −0.249−0.999−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –

LE390−7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; *r3** = *o3** = 0.25 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)
125 colours in CIELAB and three relative device systems (DS)

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/LE39/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1; iORS; oORS, CIELAB

BAM registration: 20040901-LE39/10S/S39E01FP.PS/.PDF
application for measurement of printer or monitor systems

BAM material: code=rha4ta

(olv3* = 0.5, l3*, v3*)

(olv3* = 0.5, 0, 1)

System: ORS18

(olv3* = 0.5, 1, 0)

	A	B	C	D	E
c01	*relative* Inform. Technology (IT) *olvi3** 0.5 0.0 0.0 (1.0) *cmyn3** 0.5 1.0 1.0 (0.0) *olvi4** 1.5 1.0 1.0 0.0 *cmyn4** −0.4990.0 0.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.0 0.25 (1.0) *cmyn3** 0.5 1.0 0.75 (0.0) *olvi4** 1.5 1.0 1.25 0.0 *cmyn4** −0.4990.0 −0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.0 0.5 (1.0) *cmyn3** 0.5 1.0 0.5 (0.0) *olvi4** 1.5 1.0 1.5 0.0 *cmyn4** −0.4990.0 −0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.0 0.75 (1.0) *cmyn3** 0.5 1.0 0.25 (0.0) *olvi4** 1.5 1.0 1.75 0.0 *cmyn4** −0.4990.0 −0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.0 1.0 (1.0) *cmyn3** 0.5 1.0 0.0 (0.0) *olvi4** 1.5 1.0 2.0 0.0 *cmyn4** −0.4990.0 −0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
c02	*relative* Inform. Technology (IT) *olvi3** 0.5 0.25 0.0 (1.0) *cmyn3** 0.5 0.75 1.0 (0.0) *olvi4** 1.5 1.25 1.0 0.0 *cmyn4** −0.499−0.2490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.25 0.25 (1.0) *cmyn3** 0.5 0.75 0.75 (0.0) *olvi4** 1.5 1.25 1.25 0.0 *cmyn4** −0.499−0.249−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.25 0.5 (1.0) *cmyn3** 0.5 0.75 0.5 (0.0) *olvi4** 1.5 1.25 1.5 0.0 *cmyn4** −0.499−0.249−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.25 0.75 (1.0) *cmyn3** 0.5 0.75 0.25 (0.0) *olvi4** 1.5 1.25 1.75 0.0 *cmyn4** −0.499−0.249−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.25 1.0 (1.0) *cmyn3** 0.5 0.75 0.0 (0.0) *olvi4** 1.5 1.25 2.0 0.0 *cmyn4** −0.499−0.249−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
c03	*relative* Inform. Technology (IT) *olvi3** 0.5 0.5 0.0 (1.0) *cmyn3** 0.5 0.5 1.0 (0.0) *olvi4** 1.5 1.5 1.0 0.0 *cmyn4** −0.499−0.4990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.5 0.25 (1.0) *cmyn3** 0.5 0.5 0.75 (0.0) *olvi4** 1.5 1.5 1.25 0.0 *cmyn4** −0.499−0.499−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.5 0.5 (1.0) *cmyn3** 0.5 0.5 0.5 (0.0) *olvi4** 1.5 1.5 1.5 0.0 *cmyn4** −0.499−0.499−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.5 0.75 (1.0) *cmyn3** 0.5 0.5 0.25 (0.0) *olvi4** 1.5 1.5 1.75 0.0 *cmyn4** −0.499−0.499−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.5 1.0 (1.0) *cmyn3** 0.5 0.5 0.0 (0.0) *olvi4** 1.5 1.5 2.0 0.0 *cmyn4** −0.499−0.499−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
c04	*relative* Inform. Technology (IT) *olvi3** 0.5 0.75 0.0 (1.0) *cmyn3** 0.5 0.25 1.0 (0.0) *olvi4** 1.5 1.75 1.0 0.0 *cmyn4** −0.499−0.7490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.75 0.25 (1.0) *cmyn3** 0.5 0.25 0.75 (0.0) *olvi4** 1.5 1.75 1.25 0.0 *cmyn4** −0.499−0.749−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.75 0.5 (1.0) *cmyn3** 0.5 0.25 0.5 (0.0) *olvi4** 1.5 1.75 1.5 0.0 *cmyn4** −0.499−0.749−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.75 0.75 (1.0) *cmyn3** 0.5 0.25 0.25 (0.0) *olvi4** 1.5 1.75 1.75 0.0 *cmyn4** −0.499−0.749−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 0.75 1.0 (1.0) *cmyn3** 0.5 0.25 0.0 (0.0) *olvi4** 1.5 1.75 2.0 0.0 *cmyn4** −0.499−0.749−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
c05	*relative* Inform. Technology (IT) *olvi3** 0.5 1.0 0.0 (1.0) *cmyn3** 0.5 0.0 1.0 (0.0) *olvi4** 1.5 2.0 1.0 0.0 *cmyn4** −0.499−0.9990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 1.0 0.25 (1.0) *cmyn3** 0.5 0.0 0.75 (0.0) *olvi4** 1.5 2.0 1.25 0.0 *cmyn4** −0.499−0.999−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 1.0 0.5 (1.0) *cmyn3** 0.5 0.0 0.5 (0.0) *olvi4** 1.5 2.0 1.5 0.0 *cmyn4** −0.499−0.999−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 1.0 0.75 (1.0) *cmyn3** 0.5 0.0 0.25 (0.0) *olvi4** 1.5 2.0 1.75 0.0 *cmyn4** −0.499−0.999−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.5 1.0 1.0 (1.0) *cmyn3** 0.5 0.0 0.0 (0.0) *olvi4** 1.5 2.0 2.0 0.0 *cmyn4** −0.499−0.999−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –

LE390−7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; *r3** = *o3** = 0.5 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)
125 colours in CIELAB and three relative device systems (DS)

input: *olv** *setrgbcolor*
output: *olv** *setrgbcolor / w** *setgray*

See for similar files: http://www.ps.bam.de/LE39/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1; iORS; oORS, CIELAB

BAM registration: 20040901-LE39/10S/S39E02FP.PS/.PDF
application for measurement of printer or monitor systems

BAM material: code=rha4ta

/LE39/ Form: 3/5, Serie: 1/1, Page: 3 Page: count: 3

(olv3* = 0.75, l3*, v3*)

(olv3* = 0.75, 0, 1)

System: ORS18

	A	B	C	D	E
d01	*relative* Inform. Technology (IT) *olvi3** 0.75 0.0 0.0 (1.0) *cmyn3** 0.25 1.0 1.0 (0.0) *olvi4** 1.75 1.0 0.0 *cmyn4** −0.7490.0 0.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.0 0.25 (1.0) *cmyn3** 0.25 1.0 0.75 (0.0) *olvi4** 1.75 1.0 1.25 0.0 *cmyn4** −0.7490.0 −0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.0 0.5 (1.0) *cmyn3** 0.25 1.0 0.5 (0.0) *olvi4** 1.75 1.0 1.5 0.0 *cmyn4** −0.7490.0 −0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.0 0.75 (1.0) *cmyn3** 0.25 1.0 0.25 (0.0) *olvi4** 1.75 1.0 1.75 0.0 *cmyn4** −0.7490.0 −0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.0 1.0 (1.0) *cmyn3** 0.25 1.0 0.0 (0.0) *olvi4** 1.75 1.0 2.0 0.0 *cmyn4** −0.7490.0 −0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
d02	*relative* Inform. Technology (IT) *olvi3** 0.75 0.25 0.0 (1.0) *cmyn3** 0.25 0.75 1.0 (0.0) *olvi4** 1.75 1.25 1.0 0.0 *cmyn4** −0.749−0.2490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.25 0.25 (1.0) *cmyn3** 0.25 0.75 0.75 (0.0) *olvi4** 1.75 1.25 1.25 0.0 *cmyn4** −0.749−0.249−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.25 0.5 (1.0) *cmyn3** 0.25 0.75 0.5 (0.0) *olvi4** 1.75 1.25 1.5 0.0 *cmyn4** −0.749−0.249−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.25 0.75 (1.0) *cmyn3** 0.25 0.75 0.25 (0.0) *olvi4** 1.75 1.25 1.75 0.0 *cmyn4** −0.749−0.249−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.25 1.0 (1.0) *cmyn3** 0.25 0.75 0.0 (0.0) *olvi4** 1.75 1.25 2.0 0.0 *cmyn4** −0.749−0.249−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
d03	*relative* Inform. Technology (IT) *olvi3** 0.75 0.5 0.0 (1.0) *cmyn3** 0.25 0.5 1.0 (0.0) *olvi4** 1.75 1.5 1.0 0.0 *cmyn4** −0.749−0.4990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.5 0.25 (1.0) *cmyn3** 0.25 0.5 0.75 (0.0) *olvi4** 1.75 1.5 1.25 0.0 *cmyn4** −0.749−0.499−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.5 0.5 (1.0) *cmyn3** 0.25 0.5 0.5 (0.0) *olvi4** 1.75 1.5 1.5 0.0 *cmyn4** −0.749−0.499−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.5 0.75 (1.0) *cmyn3** 0.25 0.5 0.25 (0.0) *olvi4** 1.75 1.5 1.75 0.0 *cmyn4** −0.749−0.499−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.5 1.0 (1.0) *cmyn3** 0.25 0.5 0.0 (0.0) *olvi4** 1.75 1.5 2.0 0.0 *cmyn4** −0.749−0.499−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
d04	*relative* Inform. Technology (IT) *olvi3** 0.75 0.75 0.0 (1.0) *cmyn3** 0.25 0.25 1.0 (0.0) *olvi4** 1.75 1.75 1.0 0.0 *cmyn4** −0.749−0.7490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.75 0.25 (1.0) *cmyn3** 0.25 0.25 0.75 (0.0) *olvi4** 1.75 1.75 1.25 0.0 *cmyn4** −0.749−0.749−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.75 0.5 (1.0) *cmyn3** 0.25 0.25 0.5 (0.0) *olvi4** 1.75 1.75 1.5 0.0 *cmyn4** −0.749−0.749−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.75 0.75 (1.0) *cmyn3** 0.25 0.25 0.25 (0.0) *olvi4** 1.75 1.75 1.75 0.0 *cmyn4** −0.749−0.749−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 0.75 1.0 (1.0) *cmyn3** 0.25 0.25 0.0 (0.0) *olvi4** 1.75 1.75 2.0 0.0 *cmyn4** −0.749−0.749−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
d05	*relative* Inform. Technology (IT) *olvi3** 0.75 1.0 0.0 (1.0) *cmyn3** 0.25 0.0 1.0 (0.0) *olvi4** 1.75 2.0 1.0 0.0 *cmyn4** −0.749−0.9990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 1.0 0.25 (1.0) *cmyn3** 0.25 0.0 0.75 (0.0) *olvi4** 1.75 2.0 1.25 0.0 *cmyn4** −0.749−0.999−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 1.0 0.5 (1.0) *cmyn3** 0.25 0.0 0.5 (0.0) *olvi4** 1.75 2.0 1.5 0.0 *cmyn4** −0.749−0.999−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 1.0 0.75 (1.0) *cmyn3** 0.25 0.0 0.25 (0.0) *olvi4** 1.75 2.0 1.75 0.0 *cmyn4** −0.749−0.999−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 0.75 1.0 1.0 (1.0) *cmyn3** 0.25 0.0 0.0 (0.0) *olvi4** 1.75 2.0 2.0 0.0 *cmyn4** −0.749−0.999−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –

(olv3* = 0.75, 1, 0)

LE390−7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; *r3** = *o3** = 0.75 = const.

See for similar files: http://www.ps.bam.de/LE39/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1; iORS; oORS, CIELAB

BAM registration: 20040901-LE39/10S/S39E03FP.PS/.PDF
application for measurement of printer or monitor systems

BAM material: code=rha4ta

/LE39/ Form: 4/5, Serie: 1/1, Page: 4 Page: count: 4

BAM-test chart no. LE39; Offset reflective system (ORS)
125 colours in CIELAB and three relative device systems (DS)

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

(olv3* = 1.0, l3*, v3*)

(olv3* = 1.0, 0, 1)

System: ORS18

(olv3* = 1.0, 1, 0)

	A	B	C	D	E
e01	*relative* Inform. Technology (IT) *olvi3** 1.0 0.0 0.0 (1.0) *cmyn3** 0.0 1.0 1.0 (0.0) *olvi4** 2.0 1.0 1.0 0.0 *cmyn4** −0.9990.0 0.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.0 0.25 (1.0) *cmyn3** 0.0 1.0 0.75 (0.0) *olvi4** 2.0 1.0 1.25 0.0 *cmyn4** −0.9990.0 −0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.0 0.5 (1.0) *cmyn3** 0.0 1.0 0.5 (0.0) *olvi4** 2.0 1.0 1.5 0.0 *cmyn4** −0.9990.0 −0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.0 0.75 (1.0) *cmyn3** 0.0 1.0 0.25 (0.0) *olvi4** 2.0 1.0 1.75 0.0 *cmyn4** −0.9990.0 −0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.0 1.0 (1.0) *cmyn3** 0.0 1.0 0.0 (0.0) *olvi4** 2.0 1.0 2.0 0.0 *cmyn4** −0.9990.0 −0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
e02	*relative* Inform. Technology (IT) *olvi3** 1.0 0.25 0.0 (1.0) *cmyn3** 0.0 0.75 1.0 (0.0) *olvi4** 2.0 1.25 1.0 0.0 *cmyn4** −0.999−0.2490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.25 0.25 (1.0) *cmyn3** 0.0 0.75 0.75 (0.0) *olvi4** 2.0 1.25 1.25 0.0 *cmyn4** −0.999−0.249−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.25 0.5 (1.0) *cmyn3** 0.0 0.75 0.5 (0.0) *olvi4** 2.0 1.25 1.5 0.0 *cmyn4** −0.999−0.249−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.25 0.75 (1.0) *cmyn3** 0.0 0.75 0.25 (0.0) *olvi4** 2.0 1.25 1.75 0.0 *cmyn4** −0.999−0.249−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.25 1.0 (1.0) *cmyn3** 0.0 0.75 0.0 (0.0) *olvi4** 2.0 1.25 2.0 0.0 *cmyn4** −0.999−0.249−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
e03	*relative* Inform. Technology (IT) *olvi3** 1.0 0.5 0.0 (1.0) *cmyn3** 0.0 0.5 1.0 (0.0) *olvi4** 2.0 1.5 1.0 0.0 *cmyn4** −0.999−0.4990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.5 0.25 (1.0) *cmyn3** 0.0 0.5 0.75 (0.0) *olvi4** 2.0 1.5 1.25 0.0 *cmyn4** −0.999−0.499−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.5 0.5 (1.0) *cmyn3** 0.0 0.5 0.5 (0.0) *olvi4** 2.0 1.5 1.5 0.0 *cmyn4** −0.999−0.499−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.5 0.75 (1.0) *cmyn3** 0.0 0.5 0.25 (0.0) *olvi4** 2.0 1.5 1.75 0.0 *cmyn4** −0.999−0.499−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.5 1.0 (1.0) *cmyn3** 0.0 0.5 0.0 (0.0) *olvi4** 2.0 1.5 2.0 0.0 *cmyn4** −0.999−0.499−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
e04	*relative* Inform. Technology (IT) *olvi3** 1.0 0.75 0.0 (1.0) *cmyn3** 0.0 0.25 1.0 (0.0) *olvi4** 2.0 1.75 1.0 0.0 *cmyn4** −0.999−0.7490.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.75 0.25 (1.0) *cmyn3** 0.0 0.25 0.75 (0.0) *olvi4** 2.0 1.75 1.25 0.0 *cmyn4** −0.999−0.749−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.75 0.5 (1.0) *cmyn3** 0.0 0.25 0.5 (0.0) *olvi4** 2.0 1.75 1.5 0.0 *cmyn4** −0.999−0.749−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.75 0.75 (1.0) *cmyn3** 0.0 0.25 0.25 (0.0) *olvi4** 2.0 1.75 1.75 0.0 *cmyn4** −0.999−0.749−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 0.75 1.0 (1.0) *cmyn3** 0.0 0.25 0.0 (0.0) *olvi4** 2.0 1.75 2.0 0.0 *cmyn4** −0.999−0.749−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –
e05	*relative* Inform. Technology (IT) *olvi3** 1.0 1.0 0.0 (1.0) *cmyn3** 0.0 0.0 1.0 (0.0) *olvi4** 2.0 2.0 1.0 0.0 *cmyn4** −0.999−0.9990.0 1.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 1.0 0.25 (1.0) *cmyn3** 0.0 0.0 0.75 (0.0) *olvi4** 2.0 2.0 1.25 0.0 *cmyn4** −0.999−0.999−0.2491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 1.0 0.5 (1.0) *cmyn3** 0.0 0.0 0.5 (0.0) *olvi4** 2.0 2.0 1.5 0.0 *cmyn4** −0.999−0.999−0.4991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 1.0 0.75 (1.0) *cmyn3** 0.0 0.0 0.25 (0.0) *olvi4** 2.0 2.0 1.75 0.0 *cmyn4** −0.999−0.999−0.7491.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –	*relative* Inform. Technology (IT) *olvi3** 1.0 1.0 1.0 (1.0) *cmyn3** 0.0 0.0 0.0 (0.0) *olvi4** 2.0 2.0 2.0 0.0 *cmyn4** −0.999−0.999−0.9991.0 ***standard* and *adapted* CIELAB** *LAB*LAB* 18.02 0.5 −0.47 *LAB*LABa* 18.02 0.0 0.0 *LAB*TCHa* 0.01 0.01 – ***relative* CIELAB *lab**** *lab*lab* 0.0 0.0 0.0 *lab*tch* 0.0 0.0 – *lab*nch* 1.0 0.0 – ***relative* Natural Colour (NC)** *lab*lrj* 0.0 0.0 0.0 *lab*tce* 0.0 0.0 – *lab*ncE* 1.0 0.0 –

LE390−7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; *r3** = *o3** = 1.0 = const.

See for similar files: http://www.ps.bam.de/LE39/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1; iORS; oORS, CIELAB

BAM registration: 20040901-LE39/10S/S39E04FP.PS/.PDF
application for measurement of printer or monitor systems

BAM material: code=rha4ta

/LE39/ Form: 5/5, Serie: 1/1, Page: 5 Page: count: 5