

$$(\text{olv3}^* = 0.0, \text{l3}^*, \text{v3}^*)$$
$$(\text{olv3}^* = 0.0, 0, 1)$$

System: TLS00

a01

a02

a03

a04

a05

$$(\text{olv3}^* = 0.0, 1, 0)$$

BAM registration: 20040901-LE40/10L/L40E00FP.PS.PDF
 application for measurement of printer or monitor systems

/LE40/ Form: 1/5, Serie: 1/1, Page: 1 Page: count: ...

BAM material: code=rha4ta

LE400-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates o_{lv}^* of ISO/IEC 15775:1999 as input; $r_3^* = o_3^* = 0.0 = \text{const.}$

BAM-test chart no. LE40; Television Luminous System (TLS)
125 colours in CIELAB and three relative device systems (DS)

input: $olv^* \text{ setrgbcolor}$
output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$

$$(\text{olv}3^* = 0.25, \text{l}3^*, \text{v}3^*)$$
$$(\text{olv3}^* = 0.25, 0, 1)$$

System: TLS00

	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 0.0 1.0	
	standard and adapted CIELAB	
	LAB*LAB 0.03 0.0 0.0	
	LAB*LABa 0.03 0.0 0.0	
	LAB*TC ₉₄ 0.01 0.01 -	
	relative CIELAB lab*	
	lab*lab 0.0 0.0 0.0 0.0	
	lab*sch 0.0 0.0 -	
	lab*nc _h 1.0 0.0 -	
	relative Natural Colour (NC)	
	lab*lrj 0.0 0.0 0.0 0.0	
	lab*cc 0.0 0.0 0.0 0.0	
	lab*ncE 1.0 0.0 -	

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.25	0.0	0.25 (1.0)
<i>cmyn3*</i>	0.75	1.0	0.75 (0.0)
<i>olvi4*</i>	1.25	1.0	1.25 (0.0)
<i>cmyn4*</i>	-0.2490.0		-0.2491.0
standard and adapted CIELAB			
<i>LAB*LAB</i>	0.03	0.0	0.0
<i>LAB*LaBa</i>	0.03	0.0	0.0
<i>LAB*TCaA</i>	0.01	0.01	-
relative CIELAB lab*			
<i>lab*lab</i>	0.0	0.0	0.0
<i>lab*tc</i>	0.0	0.0	-
<i>lab*nc</i>	1.0	0.0	-
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.0	0.0	0.0
<i>lab*tc</i>	0.0	0.0	-
<i>lab*ncE</i>	1.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.25	0.0	0.5
cmy3*	0.75	1.0	0.5
olvi4*	1.25	1.0	1.5
cmy4*	-0.2490.0	-0.4990.0	
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB ₀	0.03	0.0	0.0
LAB*TCHe	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)			
0.25	0.0	0.75	0.0
cmyk3*	0.75	1.0	0.25
olvi4*	1.25	1.0	0.75
cmyk4*	-0.2490.0	-0.7491.0	
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*rch	0.0	0.0	-
lab*rch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*nc	0.0	0.0	0.0
lab*nce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Information. Technology (IT)			
<i>oliva</i>	0.25	0.0	1.0
<i>cmya3*</i>	0.75	1.0	0.0 (0.0)
<i>oliva4*</i>	1.25	1.0	2.0 (0.0)
<i>cmya4*</i>	-0.2490	0.0	-0.9991
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tcch	0.0	0.0	-
lab*tcch	1.0	0.0	-
relative Natural Colour (NC)			
lab*nc	0.0	0.0	0.0
lab*tcnc	0.0	0.0	-
lab*ncE	1.0	0.0	-

	relative Inform. Technology (IT)			
	olvi3*	0.25	0.25	0.0 (1.0)
	cmny3*	0.75	0.75	1.0 (0.0)
	olvi4*	1.25	1.25	1.0 (0.0)
	cmny4*	-0.249	-0.249	0.0 (1.0)
	standard and adapted CIELAB			
	LAB*LAB	0.03	0.0	0.0
	LAB*LABa	0.03	0.0	0.0
	LAB*TC _h a	0.01	0.01	-
	relative CIELAB lab*			
	lab*lab	0.0	0.0	0.0
	lab*ch	0.0	0.0	-
	lab*nch	1.0	0.0	-
	relative Natural Colour (NC)			
	lab*lrj	0.0	0.0	0.0
	lab*rc	0.0	0.0	-
	lab*ncE	1.0	0.0	-

relative Inform. Technology (IT)					
<i>olviz</i> * 0.25 0.25 0.25 0.25 (1.0)					
<i>cmyz</i> * 0.75 0.75 0.75 0.75 (1.0)					
<i>olviz</i> * 1.25 1.25 1.25 1.25 (1.0)					
<i>cmyz</i> * -0.249-0.249-0.249-0.249-0.249-0.249					
standard and adapted CIELAB					
LAB*LAB 0.03 0.0 0.0 0.0					
LAB*LaBa 0.03 0.0 0.0 0.0					
LAB*TCHa 0.01 0.01 - -					
relative CIELAB lab*					
lab*a/lab 0.0 0.0 0.0 0.0					
lab*b/lab 0.0 0.0 - -					
lab*nch 1.0 0.0 - -					
relative Natural Colour (NC)					
lab*lrj 0.0 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
cmy3*	0.75	0.75	0.5
olvi4*	1.25	1.25	1.5
cmy4*	-0.249	-0.249	-0.499
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB ₀	0.03	0.0	0.0
LAB*TC _{hA}	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tc _h	0.0	0.0	-
lab*nc _h	1.0	0.0	-
relative Natural Colour (NC)			
lab*lr _j	0.0	0.0	0.0
lab*tc _e	0.0	0.0	-
lab*nc _E	1.0	0.0	-

relative Inform. Technology (IT)	0.25	0.25	0.75	(0.0)
<i>olv3</i>	0.75	0.75	0.25	(0.0)
<i>cmv4</i> *	1.25	1.25	1.75	0.0
<i>cmyn4</i> *	-0.249	-0.249	-0.7491	0.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*rch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*nrj	0.0	0.0	0.0	0.0
lab*ncc	0.0	0.0	-	-
lab*nccE	1.0	0.0	-	-

relative Information. Technology (IT)			
obv1*	0.25	0.25	1.0
obv3*	0.75	0.75	0.0
cmyd3*	1.25	1.25	2.0
cmyd4*	-0.249	-0.249	-0.9991
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	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*tch1	1.0	0.0	-
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*tchE	1.0	0.0	-

	relative Inform. Technology (IT)	
olv3*	0.25	0.5 0.0 (1.0)
cmy3*	0.75	0.5 0.0 (0.0)
olv4*	1.25	1.5 1.0 (0.0)
standard	-0.249,-0.499,0.0	1.0
cmy4* + olv3* + olv4* + CIELAB		
LAB*LAB	0.03	0.0 0.0
LAB*LABa	0.03	0.0 0.0
LAB*TChe	0.01	0.01 -
relative CIELAB lab*		
lab*lab	0.0	0.0 0.0
lab*nch	0.0	0.0 -
lab*nch	1.0	0.0 -
relative Natural Colour (NC)		
lab*lrj	0.0	0.0 0.0
lab*nce	0.0	0.0 -
lab*nc	1.0	0.0 -

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.25	(1)
cmy3*	0.75	0.5	0.75	(0)
olvi4*	1.25	1.5	1.25	0
cmy4*	-0.249-0.499-0.2491.0			
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tcch	0.0	0.0	-	
lab*ncch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*tcce	0.0	0.0	-	
lab*ncce	1.0	0.0	-	

relative Inform. Technology (IT)			
olvi3*	0.25	0.5	0.5
cmy3*	0.75	0.5	0.5
olvi4*	1.25	1.5	1.5
cmy4*	-0.249	-0.499	-0.499
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB _a	0.03	0.0	0.0
LAB*TC _h a	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tc _h	0.0	0.0	-
lab*nc _h	1.0	0.0	-
relative Natural Colour (NC)			
lab*lr _j	0.0	0.0	-
lab*tc _e	0.0	0.0	-
lab*nc _E	1.0	0.0	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.75	(1.0)
cmyb3*	0.75	0.5	0.25	(0.0)
olvi3	1.25	1.5	1.75	(0.0)
cmyb4*	-0.249	-0.499	-0.7491	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tcch	0.0	0.0	0.0	0.0
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trf	0.0	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0	0.0
lab*ncE	1.0	0.0	-	-

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	1.0	(1.0)
cmy3*	0.75	0.5	0.0	(0.0)
olvi4*	1.25	1.5	2.0	0.0
cmy4*	-0.249	-0.499	-0.999	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCHa	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tcch	0.0	0.0	-	-
lab*ncch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*ncrj	0.0	0.0	0.0	0.0
lab*ncch	1.0	0.0	-	-
lab*ncrj	1.0	0.0	-	-

	relative Inform. Technology (IT)
olvi3*	0.25 0.75 0.0 (1.0)
cmyi3*	0.75 0.25 1.0 (0.0)
olvi4*	1.25 1.75 1.0 (0.0)
cmyi4*	-0.249 -0.749 0.0 1.0
standard	0.490 and 0.490 CIELAB
LAB*LAB	0.03 0.0 0.0
LAB*LABa	0.03 0.0 0.0
LAB*TCHe	0.01 0.01 -
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*sch	0.0 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*trj	1.0 0.0 -

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	0.75	0.25	(1)
<i>cmy3*</i>	0.75	0.25	0.75	(1)
<i>olvi4*</i>	1.25	1.75	1.25	0
<i>cmy4*</i>	-0.249-0.749-0.2491.0			
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0	0.0
<i>LAB*TCHa</i>	0.01	0.01	-	-
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	0.0
<i>lab*ch</i>	0.0	0.0	-	-
<i>lab*nc</i>	1.0	0.0	-	-
relative Natural Colour (NC)				
<i>lab*trj</i>	0.0	0.0	0.0	0.0
<i>lab*nce</i>	0.0	0.0	-	-
<i>lab*ncF</i>	1.0	0.0	-	-

relative Inform. Technology (IT)			
olvi3*	0.25	0.75	0.5
cmy3*	0.75	0.25	0.5
olvi4*	1.25	1.75	1.5
cmy4*	-0.249	-0.749	-0.499
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB ₀	0.03	0.0	0.0
LAB*TC ₀	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tc ₀	0.0	0.0	-
lab*nc ₀	1.0	0.0	-
relative Natural Colour (NC)			
lab*lr _j	0.0	0.0	-
lab*tc _e	0.0	0.0	-
lab*nc _F	1.0	0.0	-

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	0.75	0.75	(1.0)
<i>cmy3*</i>	0.75	0.25	0.25	(0.0)
<i>olvi3</i>	1.25	1.75	1.75	(0.0)
<i>cmy3*</i>	-0.249	-0.749	-0.749	(1.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCHa	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tcch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*nce	0.0	0.0	0.0	
lab*trcf	1.0	0.0	-	

relative Inform. Technology (IT)				
<i>olm3*</i>	0.25	0.75	1.0	1.0
<i>cmyb3*</i>	0.75	0.25	0.0	(0.0)
<i>olm1</i>	1.25	0.75	0.0	0.0
<i>cmyb4*</i>	-0.249	-0.749	-0.999	1.0
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0	0.0
<i>LAB*TCHa</i>	0.01	0.01	-	-
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	-	-
<i>lab*nch</i>	1.0	0.0	-	-
relative Natural Colour (NC)				
<i>lab*trj</i>	0.0	0.0	0.0	0.0
<i>olb*trc</i>	0.0	0.0	0.0	0.0
<i>lab*trCF</i>	1.0	0.0	-	-

	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	-0.999 0.0 1.0
	standard and adapted CIELAB	
LAB*LAB	0.03	0.0 0.0
LAB*LABa	0.03	0.0 0.0
LAB*TChe	0.01	0.01 -
	relative CIELAB lab*	
lab*lab	0.0	0.0 0.0
lab*sch	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 -

<i>relative</i>	Inform. Technology (IT)			
<i>olvi3*</i>	0.25	1.0	0.25	(1)
<i>cmv3*</i>	0.75	0.0	0.75	(0)
<i>olvi4*</i>	1.25	2.0	1.25	0.0
<i>cmv4*</i>	-0.249 - 0.999 - 0.2491.0			
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	
<i>LAB*ABa</i>	0.03	0.0	0.0	
<i>LAB*TCha</i>	0.01	0.01	-	
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	
<i>lab*tch</i>	0.0	0.0	-	
<i>lab*nch</i>	1.0	0.0	-	
relative Natural Colour (NC)				
<i>lab*lrj</i>	0.0	0.0	0.0	
<i>lab*tce</i>	0.0	0.0	-	
<i>lab*nrf</i>	1.0	0.0	-	

relative Inform. Technology (IT)			
olvi3*	0.25	1.0	0.5
cmy3*	0.75	0.0	0.5
olvi4*	1.25	2.0	1.5
cmy4*	-0.249	-0.999	-0.499
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB ₀	0.03	0.0	0.0
LAB*TC _{hA}	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tc _h	0.0	0.0	-
lab*nc _h	1.0	0.0	-
relative Natural Colour (NC)			
lab*lr _j	0.0	0.0	-
lab*tc _e	0.0	0.0	-
lab*nc _F	1.0	0.0	-

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	1.0	0.75	(1.0)
<i>cmy3n3*</i>	0.75	0.0	0.25	(0.0)
<i>olvi4*</i>	1.25	2.0	1.75	(0.0)
<i>cmy4*</i>	-0.249	-0.999	-0.74910	(-1.0)
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LABa	0.03	0.0	0.0	
LAB*TCbA	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tcch	0.0	0.0	-	
lab*nch	1.0	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.0	0.0	0.0	
lab*ace	0.0	0.0	-	
lab*ncf	0.0	0.0	-	

relative Inform. Technology (IT)				
<i>olm33</i>	0.25	1.0	1.0	(1.0)
<i>clmy3*</i>	0.75	0.0	0.0	(0.0)
<i>olm3</i>	1.25	2.0	2.0	(2.0)
<i>clmy4*</i>	-0.249	-0.999	-0.999	1.0
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0	0.0
<i>LAB*TCHa</i>	0.01	0.01	-	-
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	-	-
<i>lab*tch</i>	1.0	0.0	-	-
relative Natural Colour (NC)				
<i>lab*Trf</i>	0.0	0.0	0.0	0.0
<i>lab*tce</i>	0.0	0.0	-	-
<i>lab*tch</i>	0.0	0.0	-	-

$$(\text{olv3}^* = 0.25, 1, 0)$$

BAM-test chart no. LE40; Television Luminous System (TLS) 125 colours in CIELAB and three relative device systems (DS

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

$(\text{olv}3^* = 0.5, \text{l}3^*, \text{v}3^*)$
$$(\text{olv3}^* = 0.5, 0, 1)$$

System: TLS00

c01

c02

c03

c04

c05

 $(\text{olv3}^* = 0.5, 1, 0)$

	relative Inf. Technology (IT)		relative Inf. Technology (IT)
olvi3*	0.5	0.0	0.0
olvi3*	0.5	0.0	0.25
cmyn3*	0.5	1.0	0.75
olvi4*	1.5	1.0	0.0
cmyn4*	-0.49900	0.0	-0.24910
standard and adapted CELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHe	0.01	0.01	-
relative CELAB lab*			
lab*lab	0.0	0.0	0.0
lab*tcch	0.0	0.0	-
lab*tcch	0.0	0.0	-
lab*tcch	1.0	0.0	0.0
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tcch	0.0	0.0	-
lab*tcC	1.0	0.0	-
relative Natural Colour (NC)			
lab*lrj	0.0	0.0	0.0
lab*tcch	0.0	0.0	-
lab*tcC	1.0	0.0	-

	<i>relative Infarm. Technology</i> (IT)		<i>relative Infarm. Technology</i> (IT)
	olvi3* 0.5 0.25 0.0 (1.0)		olvi3* 0.5 0.25 0.25 (1.1)
	cmyt3* 0.5 0.75 0.0 (1.0)		cmyt3* 0.5 0.75 0.75 (1.0)
	olvi4* 1.5 1.25 1.0 (0.6)		olvi4* 1.5 1.25 1.0 (0.6)
	cmyt4* -0.499 -0.249 1.0 (0.0)		cmyt4* -0.499 -0.249 1.0 (0.0)
	standard and adapted CIELAB		standard and adapted CIELAB
L*	LAP+LAB 0.03 0.0 0.0 0.0	L*	LAP+LAB 0.03 0.0 0.0 0.0
a*	LAP+ABA 0.03 0.0 0.0 0.0	a*	LAP+ABA 0.03 0.0 0.0 0.0
b*	LAP+TChA 0.01 0.01 -	b*	LAP+TChA 0.01 0.01 -
	relative CIELAB Lab*		relative CIELAB Lab*
lab*lab	0.0 0.0 0.0 0.0	lab*lab	0.0 0.0 0.0 0.0
lab*tch	0.0 0.0 -	lab*tch	0.0 0.0 -
lab*nch	1.0 0.0 -	lab*nch	1.0 0.0 -
	relative Natural Colour (NC)		relative Natural Colour (NC)
lab*lrj	0.0 0.0 0.0 0.0	lab*lrj	0.0 0.0 0.0 0.0
lab*tce	0.0 0.0 0.0 -	lab*tce	0.0 0.0 0.0 -
lab*nce	1.0 0.0 0.0 -	lab*nce	1.0 0.0 0.0 -

relative Information Technology (IT)			relative Information Technology (IT)		
olvi3*	0.5	0.5	0.0	(1.0)	
cmyn3*	0.5	0.5	0.0	(1.0)	
olvi4*	1.5	1.5	1.0	(0.0)	
cmyn4*	-0.499	-0.499	0.0	(1.0)	
standard and adapted CIELAB			standard and adapted CIELAB		
LAB*Lab	0.03	0.0	0.0		
LAB*Lab	0.03	0.0	0.0		
LAB*TCHe	0.01	0.01	-		
relative CIELAB Lab*			relative CIELAB Lab*		
lab*lab	0.0	0.0	0.0		
lab*tc	0.0	0.0	-		
lab*nc	1.0	0.0	-		
relative Natural Colour (NC)			relative Natural Colour (NC)		
lab*lab	0.0	0.0	0.0		
lab*tc	0.0	0.0	-		
lab*nc	1.0	0.0	-		

relative Inform. Technology (IT)		relative Inform. Technology (IT)							
olvi3*	0.5	0.75	0.0	olvi3*	0.5	0.75	0.25	0.1	
cmyn3*	0.5	0.25	0.0	0.0	cmyn3*	0.5	0.25	0.75	0.0
olvi4*	1.5	1.75	1.0	0.0	olvi4*	1.5	1.75	0.0	0.0
cmyn5*	-0.499	-0.749	0.0	0.0	cmyn5*	-0.499	-0.749	-0.249	0.1
standard and adapted CIELAB		standard and adapted CIELAB							
LAB*LAB	0.03	0.0	0.0	LAB*LAB	0.03	0.0	0.0	0.0	
LAB*Lab	0.03	0.0	0.0	LAB*Lab	0.03	0.0	0.0	0.0	
LAB*TChe	0.01	0.01	-	LAB*TChe	0.01	0.01	-	-	
relative CIELAB lab*		relative CIELAB lab*							
lab*lab	0.0	0.0	0.0	lab*lab	0.0	0.0	0.0	0.0	
lab*TChe	0.0	0.0	-	lab*TChe	0.0	0.0	-	-	
lab*nch	1.0	0.0	-	lab*nch	1.0	0.0	-	-	
relative Natural Colour (NC)		relative Natural Colour (NC)							
lab*lrj	0.0	0.0	0.0	lab*lrj	0.0	0.0	0.0	0.0	
lab*TCe	0.0	0.0	-	lab*TCe	0.0	0.0	-	-	
lab*trF	1.0	0.0	-	lab*trF	1.0	0.0	-	-	

<i>relative Inform. Technology (IT)</i>			<i>relative Inform. Technology (IT)</i>		
<i>olvi3*</i>	0.5	1.0	0.0	(1)	
<i>cmyn3*</i>	0.5	1.0	0.0	(1)	
<i>olvi4*</i>	1.5	2.0	0.0	(1)	
<i>cmyn4*</i>	-0.499	-0.999	0.0	(1)	
standard and adapted CIELAB			standard and adapted CIELAB		
<i>LAB*LAB</i>	0.03	0.0	0.0		
<i>LAB*Lab</i>	0.03	0.0	0.0		
<i>LAB*TCHe</i>	0.01	0.01	-		
relative CIELAB lab*			relative CIELAB lab*		
<i>lab*lab</i>	0.0	0.0	0.0		
<i>lab*tc</i>	0.0	0.0	-		
<i>lab*nc</i>	1.0	0.0	-		
relative Natural Color (NC)			relative Natural Color (NC)		
<i>lab*lr</i>	0.0	0.0	0.0		
<i>lab*tc</i>	0.0	0.0	-		
<i>lab*nc</i>	1.0	1.0	0.0		

relative Inform. Technology (IT)			
<i>olvi</i> * 0.5	0.0	0.5	(0.0)
<i>cmyn3</i> * 0.5	1.0	0.5	(0.0)
<i>olvi4</i> * 1.5	1.0	1.5	(0.0)
<i>cmyn4</i> * -0.4990.0	-	-0.4991.0	-
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LAB ₀	0.03	0.0	0.0
LAB*TC _{Ha}	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab* <i>tch</i>	0.0	-	-
lab* <i>nch</i>	1.0	0.0	-
relative Natural Colour (NC)			
lab* <i>nch</i>	0.0	0.0	0.0
lab* <i>tce</i>	0.0	-	-
lab* <i>nCe</i>	1.0	0.0	-

relative Inform. Technology (IT)			
<i>olvi</i> * 0.5	0.25	0.5	(0.0)
<i>cmyn3</i> * 0.5	0.75	0.5	(0.0)
<i>olvi</i> * 1.5	1.25	1.5	(0.0)
<i>cmyn4</i> * -0.499	-0.249	-0.499	1.0
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	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*trj	0.0	0.0	0.0
lab*nce	0.0	0.0	-
lab*ncE	1.0	0.0	-

relative Inform. Technology (IT)				
<i>dlv13</i>	0.5	0.5	0.5	1.0
<i>cmyn3*</i>	0.5	0.5	0.5	0.0
	1.5	1.5	1.5	1.5
<i>cmyn5*</i>	-0.499 -0.499 -0.499 1.0			
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LAB _a	0.03	0.0	0.0	0.0
LAB*TCHe	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tcch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	0.0
lab*trf	0.0	0.0	0.0	0.0
lab*trCE	1.0	0.0	-	-

relative Inform. Technology (IT)				
<i>dlv13*</i>	0.5	0.75	0.5	1.0
<i>cmyn3*</i>	0.5	0.25	0.5	0.0
<i>cmyn4</i>	1.5	1.75	1.5	0.0
<i>cmyn5*</i>	-0.499	-0.749	-0.499	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LAB _β	0.03	0.0	0.0	0.0
LAB*TC _{Hα}	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*tc _H	0.0	0.0	-	-
lab*nc _H	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*tr _F	0.0	0.0	0.0	0.0
lab*tr _{ce}	0.0	0.0	0.0	0.0
lab*tr _F	1.0	0.0	-	-

relative Inform. Technology (IT)				
<i>dmv3*</i>	0.5	1.0	0.5	(1.0)
<i>dmv3*</i>	0.5	0.0	0.5	(0.0)
<i>dmv3*</i>	1.5	2.0	1.5	(0.0)
<i>cmv4*</i>	-0.499-0.999-0.4991.0			
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	
LAB*LAB _a	0.03	0.0	0.0	
LAB*TC _H a	0.01	0.01	-	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tc _H	0.0	0.0	-	
lab*nc _H	1.0	0.0	-	
relative Natural Colour (NC)				
lab*tr _J	0.0	0.0	0.0	
lab*tr _g	0.0	0.0	0.0	
lab*tr _f	0.0	0.0	-	

relative Inform. Technology (IT)			
olvi3*	0.5	0.1	0.75 (0.0)
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	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHeA	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	1.0	0.0	-
relative Natural Colour (NC)			
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	1.0	0.0	-

relative Inform. Technology (IT)			
<i>olvis*</i>	0.5	0.25	0.75
<i>cmyn3*</i>	0.5	0.75	0.25
<i>olvis*</i>	1.5	1.25	1.75
<i>cmyn3*</i>	-0.499	-0.249	-0.7491
standard and adapted CIELAB			
<i>LAB*LAB</i>	0.03	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0
<i>LAB*TChA</i>	0.01	0.01	-
relative CIELAB lab*			
<i>lab*lab</i>	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	-
<i>lab*nch</i>	1.0	0.0	-
relative Natural Colour (NC)			
<i>lab*nrj</i>	0.0	0.0	0.0
<i>lab*nc</i>	0.0	0.0	-
<i>lab*ncE</i>	1.0	0.0	-

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.5	0.5	0.75	(1.0)
<i>cmyn3*</i>	0.5	0.5	0.75	(1.0)
<i>cmyn4</i>	1.5	1.5	1.75	(0.0)
<i>cmyn5*</i>	-0.499	-0.499	-0.7491	0
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0	0.0
<i>LAB*TCha</i>	0.01	0.01	-	-
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	-	-
<i>lab*nch</i>	1.0	0.0	-	-
relative Natural Colour (NC)				
<i>lab*ncr</i>	0.0	0.0	0.0	-
<i>lab*ncg</i>	0.0	0.0	0.0	-
<i>lab*ncf</i>	1.0	0.0	-	-

relative Inform. Technology (IT)				
<i>cmv3*</i>	0.5	0.75	0.75	(1.0)
<i>olyn3*</i>	0.5	0.25	0.25	(0.0)
<i>olyn4*</i>	1.5	1.75	1.75	(2.0)
<i>cmv4*</i>	-0.499	-0.749	-0.749	1.0
standard and adapted CIELAB				
LAB*LAB	0.03	0.0	0.0	0.0
LAB*LABa	0.03	0.0	0.0	0.0
LAB*TCha	0.01	0.01	-	-
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	0.0
lab*labch	0.0	0.0	-	-
lab*nch	1.0	0.0	-	-
relative Natural Colour (NC)				
lab*trf	0.0	0.0	0.0	0.0
lab*trce	0.0	0.0	0.0	0.0
lab*trcf	1.0	0.0	-	-

relative Inform. Technology (IT)				
<i>cmv3*</i>	0.5	1.0	0.75	(1.0)
<i>olyn3*</i>	0.5	0.0	0.25	(0.0)
<i>cmv4*</i>	1.5	2.0	1.75	(0.0)
<i>cmv4nd*</i>	-0.499 -0.999 -0.7491-0			
relative adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	0.0
<i>LAB*LABa</i>	0.03	0.0	0.0	0.0
<i>LAB*TCha</i>	0.01	0.01	-	-
relative CIELab lab*				
<i>lab*lab</i>	0.0	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	-	-
<i>lab*nch</i>	1.0	0.0	-	-
relative Natural Colour (NC)				
<i>lab*trf</i>	0.0	0.0	0.0	0.0
<i>lab*trg</i>	0.0	0.0	0.0	0.0
<i>lab*trf</i>	0.0	0.0	-	-

relative Inform. Technology (IT)			
olvi3*	0.5	0.0	1.0
olvi4*	0.5	1.0	0.0
olvi4*	1.5	1.0	2.0
olvi4*	-0.4990.0	-	-0.9991.0
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCRa	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*lab	0.0	0.0	0.0
lab*ncE	0.0	0.0	-
lab*ncE	1.0	0.0	-

relative Inform. Technology (IT)			
olvi3*	0.5	0.25	1.0
cmy3*	0.5	0.75	0.0
olvi4*	1.5	1.25	2.0
cmy4*	-0.499	-0.249	-0.9991.0
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*TCHe	0.01	0.01	-
relative CIELab lab*			
lab*lab	0.0	0.0	0.0
lab*tcch	0.0	0.0	-
lab*ncch	1.0	0.0	-
relative Natural Colour (NC)			
lab*ncrj	0.0	0.0	0.0
lab*ncrj	0.0	0.0	0.0
lab*ncrj	1.0	0.0	-

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.5	0.5	1.0	(1.0)
<i>cmyn3*</i>	0.5	0.0	0.0	(0.0)
<i>olvi4*</i>	1.5	1.5	2.0	(0.0)
<i>cmyn4*</i>	-0.499	-0.499	-0.9991	0
standard and adapted CIELAB				
<i>LAB*LAB</i>	0.03	0.0	0.0	
<i>LAB*LABa</i>	0.03	0.0	0.0	
<i>LAB*TCHa</i>	0.01	0.01	-	
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	
<i>lab*tcH</i>	0.0	0.0	-	
<i>lab*ncH</i>	1.0	0.0	-	
relative Natural Colour (NC)				
<i>lab*ncJ</i>	0.0	0.0	0.0	
<i>lab*ncB</i>	0.0	0.0	-	
<i>lab*ncT</i>	1.0	0.0	-	

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.5	0.75	1.0	(1.0)
<i>cmyb3*</i>	0.5	0.25	0.0	(0.0)
<i>olvi1</i>	1.5	1.75	2.0	(2.0)
<i>cmyb4*</i>	-0.499	-0.749	-0.999	1.0
standard and adopted CIELAB				
<i>LAB*</i> LAB	0.03	0.0	0.0	
<i>LAB*</i> LABa	0.03	0.0	0.0	
<i>LAB*</i> LABb	0.01	0.01	-	
relative CIELAB lab*				
<i>lab*</i> lab	0.0	0.0	0.0	
<i>lab*</i> tch	0.0	0.0	-	
<i>lab*</i> nch	1.0	0.0	-	
relative Natural Colour (NC)				
<i>lab*</i> lrf	0.0	0.0	0.0	
<i>lab*</i> lrg	0.0	0.0	-	
<i>lab*</i> trc	1.0	0.0	-	

relative Inform. Technology (IT)			
olig3*	0.5	1.0	1.0
cmv3*	0.5	0.0	0.0
olig1	1.5	2.0	0.0
cmv4*	-0.499	-0.999	-0.999
standard and adapted CIELAB			
LAB*LAB	0.03	0.0	0.0
LAB*LABa	0.03	0.0	0.0
LAB*LABb	0.01	0.01	-
relative CIELAB lab*			
lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	-
lab*labch	1.0	0.0	-
relative Natural Colour (NC)			
lab*labf	0.0	0.0	0.0
lab*labc	0.0	0.0	-
lab*labf	1.0	0.0	-

5 (=125) colours; Device dependent colour coordinates $olv3^*$ of ISO/IEC 15775:1999 as input; $r3^* = o3^* = 0.5 = \text{const.}$

BAM-test chart no. LE40; Television Luminous System (TLS)
125 colours in CIELAB and three relative device systems (DS)

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

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

	A	B	C	D	E
d01	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.0 \quad 0.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 1.0 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.0 \quad 1.0 \quad 0.0$ $cmyn4^* \quad -0.7490 \quad 0.0 \quad 0.0 \quad 1.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.0 \quad 0.25 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 1.0 \quad 0.75 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.0 \quad 1.25 \quad 0.0$ $cmyn4^* \quad -0.7490 \quad 0.0 \quad -0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.0 \quad 0.5 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 1.0 \quad 0.5 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.0 \quad 1.5 \quad 0.0$ $cmyn4^* \quad -0.7490 \quad 0.0 \quad -0.4991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.0 \quad 0.75 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 1.0 \quad 0.25 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.0 \quad 1.75 \quad 0.0$ $cmyn4^* \quad -0.7490 \quad 0.0 \quad -0.7491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.0 \quad 1.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 1.0 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.0 \quad 2.0 \quad 0.0$ $cmyn4^* \quad -0.7490 \quad 0.0 \quad -0.9991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$
d02	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.25 \quad 0.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.75 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.25 \quad 1.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.249 \quad 0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.25 \quad 0.25 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.75 \quad 0.75 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.25 \quad 1.25 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.249 \quad -0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.25 \quad 0.5 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.75 \quad 0.5 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.25 \quad 1.5 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.249 \quad -0.4991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.25 \quad 0.75 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.75 \quad 0.25 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.25 \quad 1.75 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.249 \quad -0.7491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.25 \quad 1.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.75 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.25 \quad 2.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.249 \quad -0.9991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$
d03	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.5 \quad 0.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.5 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.5 \quad 1.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.499 \quad 0.0 \quad 1.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.5 \quad 0.25 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.5 \quad 0.75 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.5 \quad 1.25 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.499 \quad -0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.5 \quad 0.5 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.5 \quad 0.5 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.5 \quad 1.5 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.499 \quad -0.4991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.5 \quad 0.75 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.5 \quad 0.25 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.5 \quad 1.75 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.499 \quad -0.7491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.5 \quad 1.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.5 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.5 \quad 2.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad 0.499 \quad -0.9991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$
d04	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.75 \quad 0.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.25 \quad 1.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.75 \quad 1.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.7490 \quad 1.0 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.75 \quad 0.25 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.25 \quad 0.75 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.75 \quad 1.25 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.749 \quad -0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.75 \quad 0.5 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.25 \quad 0.5 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.75 \quad 1.5 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.749 \quad -0.4991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.75 \quad 0.75 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.25 \quad 0.25 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.75 \quad 1.75 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.749 \quad -0.7491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 0.75 \quad 1.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.25 \quad 0.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 1.75 \quad 2.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.749 \quad -0.9991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$
d05	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 1.0 \quad 0.0 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.0 \quad 1.0 \quad (0.0)$ $olv4^* \quad 1.75 \quad 2.0 \quad 1.0 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.9990 \quad 1.0 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 1.0 \quad 0.25 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.0 \quad 0.75 \quad (0.0)$ $olv4^* \quad 1.75 \quad 2.0 \quad 1.25 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.999 \quad -0.2491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 1.0 \quad 0.5 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.0 \quad 0.5 \quad (0.0)$ $olv4^* \quad 1.75 \quad 2.0 \quad 1.5 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.999 \quad -0.4991 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC) $lab^*lrj \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*tce \quad 0.0 \quad 0.0 \quad -$ $lab^*nce \quad 1.0 \quad 0.0 \quad -$	relative Inform. Technology (IT) $olv3^* \quad 0.75 \quad 1.0 \quad 0.75 \quad (1.0)$ $cmyn3^* \quad 0.25 \quad 0.0 \quad 0.25 \quad (0.0)$ $olv4^* \quad 1.75 \quad 2.0 \quad 1.75 \quad 0.0$ $cmyn4^* \quad -0.749 \quad -0.999 \quad -0.7491 \quad 0.0$ standard and adapted CIELAB $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*ABa \quad 0.03 \quad 0.0 \quad 0.0$ $LAB^*TCha \quad 0.01 \quad 0.01 \quad -$ relative CIELAB lab* $lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$ $lab^*ch \quad 0.0 \quad 0.0 \quad -$ $lab^*nch \quad 1.0 \quad 0.0 \quad -$ relative Natural Colour (NC)	

($olv3^* = 0.75, 0, 1$)

System: TLS00

($olv3^* = 0.75, 1, 0$)

LE400-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates $olv3^*$ of ISO/IEC 15775:1999 as input; $r3^* = o3^* = 0.75 = \text{const.}$

BAM-test chart no. LE40; Television Luminous System (TLS)
125 colours in CIELAB and three relative device systems (DS)

input: $olv^* \text{ setrgbcolor}$
output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$

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

(olv3* = 1.0, 0, 1)

System: TLS00

(olv3* = 1.0, 1, 0)