

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

A

B

C

(olv3* = 0.0, 0, 1)

System: TLS00

a01

relative Inform. Technology (IT)				
olvi3*	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
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*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*	0.0	0.0	0.5	(1.0)
cmyn3*	1.0	1.0	0.5	(0.0)
olvi4*	0.5	0.5	1.0	0.5
cmyn4*	0.5	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	15.21	38.02	-51.77	
LAB*LABa	15.21	38.02	-51.77	
LAB*TCHa	25.01	64.24	306.29	
relative CIELAB lab*				
lab*lab	0.159	0.296	-0.402	
lab*tch	0.25	0.5	0.851	
lab*nch	0.5	0.5	0.851	
relative Natural Colour (NC)				
lab*lrj	0.159	0.127	-0.483	
lab*tce	0.25	0.5	0.791	
lab*nce	0.5	0.5	b16r	

relative Inform. Technology (IT)				
olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	1.0	1.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	1.0
cmyn4*	1.0	1.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	30.39	76.04	-103.55	
LAB*LABa	30.39	76.04	-103.55	
LAB*TCHa	50.0	128.48	306.29	
relative CIELAB lab*				
lab*lab	0.318	0.592	-0.805	
lab*tch	0.5	1.0	0.851	
lab*nch	0.0	1.0	0.851	
relative Natural Colour (NC)				
lab*lrj	0.318	0.254	-0.966	
lab*tce	0.5	1.0	0.791	
lab*nce	0.0	1.0	b16r	

a02

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	0.5
cmyn4*	0.5	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	41.82	-41.36	39.94	
LAB*LABa	41.82	-41.36	39.94	
LAB*TCHa	25.01	57.51	136.01	
relative CIELAB lab*				
lab*lab	0.438	-0.359	0.347	
lab*tch	0.25	0.5	0.378	
lab*nch	0.5	0.5	0.378	
relative Natural Colour (NC)				
lab*lrj	0.438	-0.376	0.328	
lab*tce	0.25	0.5	0.386	
lab*nce	0.5	0.5	j54g	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.5	(1.0)
cmyn3*	1.0	0.5	0.5	(0.0)
olvi4*	0.5	1.0	1.0	0.5
cmyn4*	0.5	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	43.45	-23.07	-6.77	
LAB*LABa	43.45	-23.07	-6.77	
LAB*TCHa	25.01	24.06	196.37	
relative CIELAB lab*				
lab*lab	0.455	-0.479	-0.14	
lab*tch	0.25	0.5	0.545	
lab*nch	0.5	0.5	0.545	
relative Natural Colour (NC)				
lab*lrj	0.455	-0.471	-0.164	
lab*tce	0.25	0.5	0.554	
lab*nce	0.5	0.5	g21b	

relative Inform. Technology (IT)				
olvi3*	0.0	0.5	1.0	(1.0)
cmyn3*	1.0	0.5	0.0	(0.0)
olvi4*	0.0	0.5	1.0	1.0
cmyn4*	1.0	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	58.63	14.94	-58.55	
LAB*LABa	58.63	14.94	-58.55	
LAB*TCHa	50.0	60.43	284.31	
relative CIELAB lab*				
lab*lab	0.614	0.247	-0.968	
lab*tch	0.5	1.0	0.79	
lab*nch	0.0	1.0	0.79	
relative Natural Colour (NC)				
lab*lrj	0.614	-0.071	-0.996	
lab*tce	0.5	1.0	0.738	
lab*nce	0.0	1.0	g95b	

a03

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	1.0
cmyn4*	1.0	0.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	83.62	-82.73	79.88	
LAB*LABa	83.62	-82.73	79.88	
LAB*TCHa	50.0	115.01	136.01	
relative CIELAB lab*				
lab*lab	0.876	-0.718	0.694	
lab*tch	0.5	1.0	0.378	
lab*nch	0.0	1.0	0.378	
relative Natural Colour (NC)				
lab*lrj	0.876	-0.753	0.656	
lab*tce	0.5	1.0	0.386	
lab*nce	0.0	1.0	j54g	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	0.5	(1.0)
cmyn3*	1.0	0.0	0.5	(0.0)
olvi4*	0.0	1.0	0.5	1.0
cmyn4*	1.0	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	85.25	-64.44	33.16	
LAB*LABa	85.25	-64.44	33.16	
LAB*TCHa	50.0	72.48	152.77	
relative CIELAB lab*				
lab*lab	0.893	-0.888	0.457	
lab*tch	0.5	1.0	0.424	
lab*nch	0.0	1.0	0.424	
relative Natural Colour (NC)				
lab*lrj	0.893	-0.931	0.363	
lab*tce	0.5	1.0	0.441	
lab*nce	0.0	1.0	j76g	

relative Inform. Technology (IT)				
olvi3*	0.0	1.0	1.0	(1.0)
cmyn3*	1.0	0.0	0.0	(0.0)
olvi4*	0.0	1.0	1.0	1.0
cmyn4*	1.0	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	86.87	-46.15	-13.55	
LAB*LABa	86.87	-46.15	-13.55	
LAB*TCHa	50.0	48.11	196.37	
relative CIELAB lab*				
lab*lab	0.911	-0.958	-0.281	
lab*tch	0.5	1.0	0.545	
lab*nch	0.0	1.0	0.545	
relative Natural Colour (NC)				
lab*lrj	0.911	-0.942	-0.33	
lab*tce	0.5	1.0	0.554	
lab*nce	0.0	1.0	g21b	

(olv3* = 0.0, 1, 0)

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

A

B

C

(olv3* = 0.5, 0, 1)

System: TLS00

b01

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	1.0	(0.0)
olvi4*	1.0	0.5	0.5	0.5
cmyn4*	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	25.26	38.45	32.27	
LAB*LABa	25.26	38.45	32.27	
LAB*TCHa	25.01	50.2	40.0	
relative CIELAB lab*				
lab*lab	0.265	0.383	0.321	
lab*tch	0.25	0.5	0.111	
lab*nch	0.5	0.5	0.111	
relative Natural Colour (NC)				
lab*lrj	0.265	0.487	0.112	
lab*tce	0.25	0.5	0.036	
lab*nce	0.5	0.5	r14i	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	0.5	(1.0)
cmyn3*	0.5	1.0	0.5	(0.0)
olvi4*	1.0	0.5	1.0	0.5
cmyn4*	0.0	0.5	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	28.66	47.17	-29.19	
LAB*LABa	28.66	47.17	-29.19	
LAB*TCHa	25.01	55.47	328.23	
relative CIELAB lab*				
lab*lab	0.3	0.425	-0.262	
lab*tch	0.25	0.5	0.912	
lab*nch	0.5	0.5	0.912	
relative Natural Colour (NC)				
lab*lrj	0.3	0.281	-0.412	
lab*tce	0.25	0.5	0.845	
lab*nce	0.5	0.5	b38r	

relative Inform. Technology (IT)				
olvi3*	0.5	0.0	1.0	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olvi4*	0.5	0.0	1.0	1.0
cmyn4*	0.5	1.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.85	85.19	-80.97	
LAB*LABa	43.85	85.19	-80.97	
LAB*TCHa	50.0	117.54	316.45	
relative CIELAB lab*				
lab*lab	0.459	0.725	-0.688	
lab*tch	0.5	1.0	0.879	
lab*nch	0.0	1.0	0.879	
relative Natural Colour (NC)				
lab*lrj	0.459	0.402	-0.914	
lab*tce	0.5	1.0	0.816	
lab*nce	0.0	1.0	b26r	

b02

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.5	0.5	1.0	(0.0)
olvi4*	1.0	1.0	0.5	0.5
cmyn4*	0.0	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	46.34	-10.34	45.37	
LAB*LABa	46.34	-10.34	45.37	
LAB*TCHa	25.01	46.53	102.85	
relative CIELAB lab*				
lab*lab	0.486	-0.11	0.487	
lab*tch	0.25	0.5	0.286	
lab*nch	0.5	0.5	0.286	
relative Natural Colour (NC)				
lab*lrj	0.486	-0.085	0.492	
lab*tce	0.25	0.5	0.278	
lab*nce	0.5	0.5	j11g	

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCHa	50.0	0.01	-	
relative CIELAB lab*				
lab*lab	0.5	0.0	0.0	
lab*tch	0.5	0.0	-	
lab*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.5	0.0	0.0	
lab*tce	0.5	0.0	-	
lab*nce	0.5	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*	0.5	0.5	1.0	1.0
cmyn4*	0.5	0.5	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	62.9	38.02	-51.77	
LAB*LABa	62.9	38.02	-51.77	
LAB*TCHa	75.0	64.24	306.29	
relative CIELAB lab*				
lab*lab	0.659	0.296	-0.402	
lab*tch	0.75	0.5	0.851	
lab*nch	0.0	0.5	0.851	
relative Natural Colour (NC)				
lab*lrj	0.659	0.127	-0.483	
lab*tce	0.75	0.5	0.791	
lab*nce	0.0	0.5	b16r	

b03

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.0	(1.0)
cmyn3*	0.5	0.0	1.0	(0.0)
olvi4*	0.5	1.0	0.0	1.0
cmyn4*	0.5	0.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	88.14	-51.71	85.31	
LAB*LABa	88.14	-51.71	85.31	
LAB*TCHa	50.0	99.76	121.23	
relative CIELAB lab*				
lab*lab	0.924	-0.517	0.855	
lab*tch	0.5	1.0	0.337	
lab*nch	0.0	1.0	0.337	
relative Natural Colour (NC)				
lab*lrj	0.924	-0.523	0.852	
lab*tce	0.5	1.0	0.338	
lab*nce	0.0	1.0	j35g	

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	1.0
cmyn4*	0.5	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	89.51	-41.36	39.94	
LAB*LABa	89.51	-41.36	39.94	
LAB*TCHa	75.0	57.51	136.01	
relative CIELAB lab*				
lab*lab	0.938	-0.359	0.347	
lab*tch	0.75	0.5	0.378	
lab*nch	0.0	0.5	0.378	
relative Natural Colour (NC)				
lab*lrj	0.938	-0.376	0.328	
lab*tce	0.75	0.5	0.386	
lab*nce	0.0	0.5	j54g	

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	1.0	(1.0)
cmyn3*	0.5	0.0	0.0	(0.0)
olvi4*	0.5	1.0	1.0	1.0
cmyn4*	0.5	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	91.14	-23.07	-6.77	
LAB*LABa	91.14	-23.07	-6.77	
LAB*TCHa	75.0	24.06	196.37	
relative CIELAB lab*				
lab*lab	0.955	-0.479	-0.14	
lab*tch	0.75	0.5	0.545	
lab*nch	0.0	0.5	0.545	
relative Natural Colour (NC)				
lab*lrj	0.955	-0.471	-0.164	
lab*tce	0.75	0.5	0.554	
lab*nce	0.0	0.5	g21b	

(olv3* = 0.5, 1, 0)

See for similar files: <http://www.ps.bam.de/LE37/>
Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1

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

c01

System: TLS00

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olvi4* 1.0 0.0 0.0 1.0
cmyn4* 0.0 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 50.5 76.9 64.54
LAB*LABa 50.5 76.9 64.54
LAB*TCHa 50.0 100.4 40.0
relative CIELAB lab*
lab*lab 0.529 0.766 0.643
lab*tch 0.5 1.0 0.111
lab*nch 0.0 1.0 0.111
relative Natural Colour (NC)
lab*lrj 0.529 0.975 0.223
lab*tce 0.5 1.0 0.036
lab*nce 0.0 1.0 r14j

B

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.5 (1.0)
cmyn3* 0.0 1.0 0.5 (0.0)
olvi4* 1.0 0.0 0.5 1.0
cmyn4* 0.0 1.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 53.9 85.62 3.06
LAB*LABa 53.9 85.62 3.06
LAB*TCHa 50.0 85.67 2.05
relative CIELAB lab*
lab*lab 0.565 0.999 0.036
lab*tch 0.5 1.0 0.006
lab*nch 0.0 1.0 0.006
relative Natural Colour (NC)
lab*lrj 0.565 0.901 -0.432
lab*tce 0.5 1.0 0.929
lab*nce 0.0 1.0 b71r

C

(olv3* = 1.0, 0, 1)

relative Inform. Technology (IT)
olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 1.0
cmyn4* 0.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 57.3 94.33 -58.4
LAB*LABa 57.3 94.33 -58.4
LAB*TCHa 50.0 110.95 328.23
relative CIELAB lab*
lab*lab 0.601 0.85 -0.525
lab*tch 0.5 1.0 0.912
lab*nch 0.0 1.0 0.912
relative Natural Colour (NC)
lab*lrj 0.601 0.562 -0.826
lab*tce 0.5 1.0 0.845
lab*nce 0.0 1.0 b38r

c02

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.0 (1.0)
cmyn3* 0.0 0.5 1.0 (0.0)
olvi4* 1.0 0.5 0.0 1.0
cmyn4* 0.0 0.5 1.0 0.0
standard and adapted CIELAB
LAB*LAB 71.58 28.1 77.63
LAB*LABa 71.58 28.1 77.63
LAB*TCHa 50.0 82.56 70.1
relative CIELAB lab*
lab*lab 0.75 0.34 0.94
lab*tch 0.5 1.0 0.195
lab*nch 0.0 1.0 0.195
relative Natural Colour (NC)
lab*lrj 0.75 0.565 0.825
lab*tce 0.5 1.0 0.154
lab*nce 0.0 1.0 r61j

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 1.0
cmyn4* 0.0 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCHa 75.0 50.2 40.0
relative CIELAB lab*
lab*lab 0.765 0.383 0.321
lab*tch 0.75 0.5 0.111
lab*nch 0.0 0.5 0.111
relative Natural Colour (NC)
lab*lrj 0.765 0.487 0.112
lab*tce 0.75 0.5 0.036
lab*nce 0.0 0.5 r14j

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 76.35 47.17 -29.19
LAB*LABa 76.35 47.17 -29.19
LAB*TCHa 75.0 55.47 328.23
relative CIELAB lab*
lab*lab 0.8 0.425 -0.262
lab*tch 0.75 0.5 0.912
lab*nch 0.0 0.5 0.912
relative Natural Colour (NC)
lab*lrj 0.8 0.281 -0.412
lab*tce 0.75 0.5 0.845
lab*nce 0.0 0.5 b38r

c03

(olv3* = 1.0, 1, 0)

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 1.0 1.0 0.0 1.0
cmyn4* 0.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 92.65 -20.69 90.73
LAB*LABa 92.65 -20.69 90.73
LAB*TCHa 50.0 93.06 102.85
relative CIELAB lab*
lab*lab 0.971 -0.221 0.975
lab*tch 0.5 1.0 0.286
lab*nch 0.0 1.0 0.286
relative Natural Colour (NC)
lab*lrj 0.971 -0.172 0.985
lab*tce 0.5 1.0 0.278
lab*nce 0.0 1.0 j11g

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 1.0
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 94.03 -10.34 45.37
LAB*LABa 94.03 -10.34 45.37
LAB*TCHa 75.0 46.53 102.85
relative CIELAB lab*
lab*lab 0.985 -0.11 0.487
lab*tch 0.75 0.5 0.286
lab*nch 0.0 0.5 0.286
relative Natural Colour (NC)
lab*lrj 0.985 -0.085 0.492
lab*tce 0.75 0.5 0.278
lab*nce 0.0 0.5 j11g

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

LE370-7, Test chart file with 3x3x3 (=27) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 1.0 = const.

BAM-test chart no. LE37; Television Luminous System (TLS00)input: olv3* setrgbcolor
27 colours in CIELAB and three relative device systems (DS) output: no change compared to input

BAM registration: 20050501-LE37/10L/L37E02NP.PS/.PDF
application for measurement of printer or monitor systems

/LE37/ Form: 3/3, Serie: 1/1, Page: 3
Page count: 3

BAM material: code=rh4ta