

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

A

B

C

(olv3* = 0.0, 0, 1)

System: ORS18

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 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* 0.0 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 21.87 15.97 -22.4
LAB*LABa 21.87 15.55 -22.19
LAB*TCHa 25.01 27.1 305.0
relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nch 0.5 0.5 0.847
relative Natural Colour (NC)
lab*lrj 0.05 0.117 -0.485
lab*tce 0.25 0.5 0.788
lab*nce 0.5 0.5 b15r

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 25.73 31.44 -44.34
LAB*LABa 25.73 31.09 -44.39
LAB*TCHa 50.0 54.21 305.0
relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*tch 0.5 1.0 0.847
lab*nch 0.0 1.0 0.847
relative Natural Colour (NC)
lab*lrj 0.1 0.234 -0.971
lab*tce 0.5 1.0 0.788
lab*nce 0.0 1.0 b15r

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 34.46 -31.22 18.12
LAB*LABa 34.46 -31.4 17.48
LAB*TCHa 25.01 35.95 150.91
relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*tch 0.25 0.5 0.419
lab*nch 0.5 0.5 0.419
relative Natural Colour (NC)
lab*lrj 0.213 -0.458 0.199
lab*tce 0.25 0.5 0.435
lab*nce 0.5 0.5 i73g

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 38.32 -15.05 -21.6
LAB*LABa 38.32 -15.16 -22.5
LAB*TCHa 25.01 27.14 236.02
relative CIELAB lab*
lab*lab 0.262 -0.278 -0.414
lab*tch 0.25 0.5 0.656
lab*nch 0.5 0.5 0.656
relative Natural Colour (NC)
lab*lrj 0.262 -0.325 -0.378
lab*tce 0.25 0.5 0.637
lab*nce 0.5 0.5 g54b

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 42.17 0.41 -43.54
LAB*LABa 42.17 0.38 -44.7
LAB*TCHa 50.0 44.71 270.48
relative CIELAB lab*
lab*lab 0.312 0.008 -0.999
lab*tch 0.5 1.0 0.751
lab*nch 0.0 1.0 0.751
relative Natural Colour (NC)
lab*lrj 0.312 -0.251 -0.966
lab*tce 0.5 1.0 0.709
lab*nce 0.0 1.0 g83b

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 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91
relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*lrj 0.425 -0.916 0.398
lab*tce 0.5 1.0 0.435
lab*nce 0.0 1.0 i73g

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 54.76 -46.78 -3.01
LAB*LABa 54.76 -46.57 -5.02
LAB*TCHa 50.0 46.85 186.17
relative CIELAB lab*
lab*lab 0.475 -0.993 -0.106
lab*tch 0.5 1.0 0.517
lab*nch 0.0 1.0 0.517
relative Natural Colour (NC)
lab*lrj 0.475 -0.978 -0.2
lab*tce 0.5 1.0 0.532
lab*nce 0.0 1.0 g12b

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 58.62 -30.61 -42.73
LAB*LABa 58.62 -30.33 -45.01
LAB*TCHa 50.0 54.29 236.02
relative CIELAB lab*
lab*lab 0.525 -0.558 -0.828
lab*tch 0.5 1.0 0.656
lab*nch 0.0 1.0 0.656
relative Natural Colour (NC)
lab*lrj 0.525 -0.651 -0.757
lab*tce 0.5 1.0 0.637
lab*nce 0.0 1.0 g54b

(olv3* = 0.0, 1, 0)

LE360-7, Test chart file with 3x3x3 (=27) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.0 = const.

BAM-test chart no. LE36; Offset reflective system (ORS18)
27 colours in CIELAB and three relative device systems (DS)

input: olv3* setrgbcolor
output: no change compared to input

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

A

B

C

(olv3* = 0.5, 0, 1)

System: ORS18

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	32.98	32.9	25.8	
LAB*LABa	32.98	32.69	25.25	
LAB*TCHa	25.01	41.31	37.69	
relative CIELAB lab*				
lab*lab	0.193	0.396	0.306	
lab*tch	0.25	0.5	0.105	
lab*nch	0.5	0.5	0.105	
relative Natural Colour (NC)				
lab*lrj	0.193	0.493	0.084	
lab*tce	0.25	0.5	0.027	
lab*nce	0.5	0.5	r10i	

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	33.07	37.84	-3.62	
LAB*LABa	33.07	37.63	-4.17	
LAB*TCHa	25.01	37.86	353.66	
relative CIELAB lab*				
lab*lab	0.195	0.497	-0.054	
lab*tch	0.25	0.5	0.982	
lab*nch	0.5	0.5	0.982	
relative Natural Colour (NC)				
lab*lrj	0.195	0.419	-0.272	
lab*tce	0.25	0.5	0.908	
lab*nce	0.5	0.5	b63r	

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	36.93	53.31	-25.56	
LAB*LABa	36.93	53.18	-26.37	
LAB*TCHa	50.0	59.36	333.61	
relative CIELAB lab*				
lab*lab	0.244	0.896	-0.443	
lab*tch	0.5	1.0	0.927	
lab*nch	0.0	1.0	0.927	
relative Natural Colour (NC)				
lab*lrj	0.244	0.629	-0.776	
lab*tce	0.5	1.0	0.858	
lab*nce	0.0	1.0	b43r	

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	54.19	-5.32	47.84	
LAB*LABa	54.19	-5.12	45.87	
LAB*TCHa	25.01	46.15	96.38	
relative CIELAB lab*				
lab*lab	0.467	-0.055	0.497	
lab*tch	0.25	0.5	0.268	
lab*nch	0.5	0.5	0.268	
relative Natural Colour (NC)				
lab*lrj	0.467	-0.019	0.499	
lab*tce	0.25	0.5	0.256	
lab*nce	0.5	0.5	j02g	

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	56.71	-0.24	2.14	
LAB*LABa	56.71	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	60.56	15.23	-19.79	
LAB*LABa	60.56	15.55	-22.19	
LAB*TCHa	75.0	27.1	305.0	
relative CIELAB lab*				
lab*lab	0.55	0.287	-0.408	
lab*tch	0.75	0.5	0.847	
lab*nch	0.0	0.5	0.847	
relative Natural Colour (NC)				
lab*lrj	0.55	0.117	-0.485	
lab*tce	0.75	0.5	0.788	
lab*nce	0.0	0.5	b15r	

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	70.63	-37.05	66.43	
LAB*LABa	70.63	-36.53	63.34	
LAB*TCHa	50.0	73.13	119.98	
relative CIELAB lab*				
lab*lab	0.68	-0.499	0.866	
lab*tch	0.5	1.0	0.333	
lab*nch	0.0	1.0	0.333	
relative Natural Colour (NC)				
lab*lrj	0.68	-0.501	0.865	
lab*tce	0.5	1.0	0.334	
lab*nce	0.0	1.0	j33g	

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	73.15	-31.96	20.73	
LAB*LABa	73.15	-31.4	17.48	
LAB*TCHa	75.0	35.95	150.91	
relative CIELAB lab*				
lab*lab	0.712	-0.436	0.243	
lab*tch	0.75	0.5	0.419	
lab*nch	0.0	0.5	0.419	
relative Natural Colour (NC)				
lab*lrj	0.712	-0.458	0.199	
lab*tce	0.75	0.5	0.435	
lab*nce	0.0	0.5	j73g	

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	77.01	-15.8	-18.98	
LAB*LABa	77.01	-15.16	-22.5	
LAB*TCHa	75.0	27.14	236.02	
relative CIELAB lab*				
lab*lab	0.762	-0.278	-0.414	
lab*tch	0.75	0.5	0.656	
lab*nch	0.0	0.5	0.656	
relative Natural Colour (NC)				
lab*lrj	0.762	-0.325	-0.378	
lab*tce	0.75	0.5	0.637	
lab*nce	0.0	0.5	g54b	

(olv3* = 0.5, 1, 0)

LE360-7, Test chart file with 3x3x3 (=27) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.5 = const.

BAM-test chart no. LE36; Offset reflective system (ORS18)
27 colours in CIELAB and three relative device systems (DS)

input: olv3* setrgbcolor
output: no change compared to input

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

A

B

C

(olv3* = 1.0, 0, 1)

System: ORS18

c01

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 47.94 65.3 52.06
LAB*LABa 47.94 65.37 50.51
LAB*TCHa 50.0 82.61 37.69
relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*tch 0.5 1.0 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.387 0.986 0.167
lab*tce 0.5 1.0 0.027
lab*nce 0.0 1.0 r10j

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 48.04 70.24 22.63
LAB*LABa 48.04 70.32 21.07
LAB*TCHa 50.0 73.41 16.68
relative CIELAB lab*
lab*lab 0.388 0.958 0.287
lab*tch 0.5 1.0 0.046
lab*nch 0.0 1.0 0.046
relative Natural Colour (NC)
lab*lrj 0.388 0.976 -0.218
lab*tce 0.5 1.0 0.965
lab*nce 0.0 1.0 b85r

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 48.13 75.18 -6.79
LAB*LABa 48.13 75.26 -8.35
LAB*TCHa 50.0 75.73 353.66
relative CIELAB lab*
lab*lab 0.389 0.994 -0.109
lab*tch 0.5 1.0 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*lrj 0.389 0.837 -0.546
lab*tce 0.5 1.0 0.908
lab*nce 0.0 1.0 b63r

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 69.15 27.07 74.11
LAB*LABa 69.15 27.55 71.12
LAB*TCHa 50.0 76.27 68.82
relative CIELAB lab*
lab*lab 0.661 0.361 0.932
lab*tch 0.5 1.0 0.191
lab*nch 0.0 1.0 0.191
relative Natural Colour (NC)
lab*lrj 0.661 0.591 0.806
lab*tce 0.5 1.0 0.149
lab*nce 0.0 1.0 r59j

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 71.67 32.15 28.41
LAB*LABa 71.67 32.69 25.25
LAB*TCHa 75.0 41.31 37.69
relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*lrj 0.693 0.493 0.084
lab*tce 0.75 0.5 0.027
lab*nce 0.0 0.5 r10j

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 71.77 37.1 -1.01
LAB*LABa 71.77 37.63 -4.17
LAB*TCHa 75.0 37.86 353.66
relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*lrj 0.695 0.419 -0.272
lab*tce 0.75 0.5 0.908
lab*nce 0.0 0.5 b63r

c03

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 90.36 -11.15 96.15
LAB*LABa 90.36 -10.25 91.73
LAB*TCHa 50.0 92.3 96.38
relative CIELAB lab*
lab*lab 0.935 -0.11 0.994
lab*tch 0.5 1.0 0.268
lab*nch 0.0 1.0 0.268
relative Natural Colour (NC)
lab*lrj 0.935 -0.04 0.999
lab*tce 0.5 1.0 0.256
lab*nce 0.0 1.0 j02g

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 92.88 -6.06 50.46
LAB*LABa 92.88 -5.12 45.87
LAB*TCHa 75.0 46.15 96.38
relative CIELAB lab*
lab*lab 0.967 -0.055 0.497
lab*tch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*lrj 0.967 -0.019 0.499
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 j02g

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 -0.98 4.75
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 -

(olv3* = 1.0, 1, 0)

LE360-7, 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. LE36; Offset reflective system (ORS18)
27 colours in CIELAB and three relative device systems (DS)

input: olv3* setrgbcolor
output: no change compared to input