

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

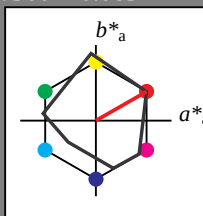
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



MRS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCMa 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCMa 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.852 0.217 0.124
lab*tch 0.875 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.852 0.248 0.03
lab*tce 0.875 0.25 0.019
lab*nce 0.0 0.25 0.071

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 72.52 32.93 22.4
LAB*LABa 72.52 33.47 19.18
LAB*TCMa 75.0 38.58 29.82

relative CIELAB lab*
lab*lab 0.704 0.434 0.249
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.704 0.496 0.06
lab*tce 0.75 0.5 0.019
lab*nce 0.0 0.5 0.071

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 61.07 49.89 31.22
LAB*LABa 61.07 50.21 28.78
LAB*TCMa 62.5 57.87 29.82

relative CIELAB lab*
lab*lab 0.556 0.651 0.373
lab*tch 0.625 0.75 0.083
lab*nch 0.0 0.75 0.083
relative Natural Colour (NC)
lab*trj 0.556 0.745 0.09
lab*tce 0.625 0.75 0.019
lab*nce 0.0 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.63 66.96 40.03
LAB*LABa 49.63 66.96 38.36
LAB*TCMa 50.0 77.18 29.82

relative CIELAB lab*
lab*lab 0.469 0.867 0.497
lab*tch 0.5 0.0 0.083
lab*nch 0.0 0.0 0.083
relative Natural Colour (NC)
lab*trj 0.469 0.993 0.119
lab*tce 0.5 0.0 0.019
lab*nce 0.0 0.0 0.071

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 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.23 2.14
LAB*LABa 56.71 0.23 2.14
LAB*TCMa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.537 0.198 0.153
lab*tch 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.239 0.075
lab*tce 0.625 0.25 0.048
lab*nce 0.25 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.93 22.11
LAB*LABa 52.33 32.93 19.18
LAB*TCMa 50.0 38.58 29.82

relative CIELAB lab*
lab*lab 0.54 0.593 0.459
lab*tch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.54 0.715 0.225
lab*tce 0.625 0.75 0.048
lab*nce 0.0 0.75 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*tch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.25 0.75 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.17 33.31 21.09
LAB*LABa 53.17 33.48 19.19
LAB*TCMa 50.0 38.59 29.82

relative CIELAB lab*
lab*lab 0.434 0.434 0.249
lab*tch 0.5 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.434 0.496 0.06
lab*tce 0.5 0.5 0.019
lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 0.0 (0.0)
olvi4* 1.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.75 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.73 50.26 29.91
LAB*LABa 41.73 50.21 28.78
LAB*TCMa 37.51 57.87 29.82

relative CIELAB lab*
lab*lab 0.306 0.651 0.373
lab*tch 0.375 0.75 0.083
lab*nch 0.25 0.75 0.083
relative Natural Colour (NC)
lab*trj 0.306 0.745 0.09
lab*tce 0.375 0.75 0.019
lab*nce 0.25 0.75 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 44.84 16.33 13.98
LAB*LABa 44.84 16.34 12.63
LAB*TCMa 37.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.239 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.75 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.46 49.01 38.93
LAB*LABa 40.46 49.02 37.88
LAB*TCMa 37.51 61.95 37.7

relative CIELAB lab*
lab*lab 0.29 0.593 0.459
lab*tch 0.375 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*trj 0.29 0.715 0.225
lab*tce 0.375 0.75 0.048
lab*nce 0.0 0.75 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 33.82 33.67 19.79
LAB*LABa 33.82 33.67 19.18
LAB*TCMa 25.01 38.58 29.82

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.36 33.67 19.79
LAB*LABa 37.36 33.67 19.18
LAB*TCMa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.332 0.217 0.124
lab*tch 0.375 0.25 0.083
lab*nch 0.75 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.332 0.248 0.03
lab*tce 0.375 0.25 0.019
lab*nce 0.5 0.25 0.071

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.82 33.67 19.79
LAB*LABa 33.82 33.67 19.18
LAB*TCMa 25.01 38.58 29.82

relative CIELAB lab*
lab*lab 0.204 0.434 0.249
lab*tch 0.25 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.204 0.496 0.06
lab*tce 0.25 0.5 0.019
lab*nce 0.5 0.5 0.071

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.097 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.097 0.239 0.075
lab*tce 0.125 0.25 0.048
lab*nce 0.75 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.477 0.15
lab*tce 0.25 0.5 0.048
lab*nce 0.5 0.5 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.46
LAB*LABa 18.02 18.02 0.46
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.102 0.217 0.124
lab*tch 0.125 0.25 0.083
lab*nch 0.75 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.03
lab*tce 0.125 0.25 0.019
lab*nce 0.75 0.25 0.071

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.477 0.15
lab*tce 0.25 0.5 0.048
lab*nce 0.5 0.5 0.191

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.5
LAB*LABa 18.02 18.02 0.5
LAB*TCMa 0.01 0.01 0.0

UE55-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM-test chart UE55; Colorimetric systems MRS18 & ORS18

input: cmy0* setcmykcolor

D65: 2 coordinate data of 5 step colour scales for 10 hues

output: no change compared to input

See for similar files: <http://www.ps.bam.de/UE55/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0

Page count: 3

www.ps.bam.de/UE55/10Q/Q55E02NP.PS/.PDF; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

BAM registration: 20060101-UE55/10Q/Q55E02NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems
/UE55/ Form 3/10, Serie: 1/1, Page: 3

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

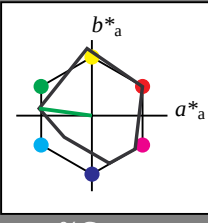
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 91$

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)
LAB*LAB	95.41	-0.97	4.75	
LAB*LAB	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	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*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)
LAB*LAB	84.58	-18.19	6.39	
LAB*LAB	84.58	-17.42	2.36	
LAB*TCRa	87.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	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*	0.5	0.75	0.5	(1.0)
cmyn4*	0.5	0.25	0.5	(0.0)
LAB*LAB	65.23	-17.83	5.08	
LAB*LAB	65.23	-17.42	2.36	
LAB*TCRa	62.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*TCRa	50.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.75	0.25	0.75	(0.0)
LAB*LAB	44.41	-35.05	6.71	
LAB*LAB	44.41	-34.86	4.72	
LAB*TCRa	50.0	35.19	172.29	

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.0	0.75	0.0	(1.0)
cmyn4*	0.75	0.25	0.75	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.0	0.5	0.0	(1.0)
cmyn4*	0.75	0.5	0.75	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	37.36	0.13	0.83	
LAB*LAB	37.36	0.0	0.0	
LAB*TCRa	25.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.3	0.3	0.3	(1.0)
cmyn3*	0.7	0.7	0.7	(0.0)
olvi4*	0.3	0.3	0.3	(1.0)
cmyn4*	0.7	0.7	0.7	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

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)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	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*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)
LAB*LAB	18.02	0.0	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCRa	0.01	0.01	0.0	

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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)
LAB*LAB	73.75	-35.42	8.02	
LAB*LAB	73.75	-34.85	4.72	
LAB*TCRa	75.0	35.18	172.29	

standard and adapted CIELAB

LAB*LAB	73.75	-35.42	8.02	
LAB*LAB	73.75	-35.42	8.02	
LAB*TCRa	75.0	35.18	172.29	

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.75	0.25	0.75	(0.0)
LAB*LAB	62.93	-52.64	9.65	
LAB*LAB	62.93	-52.68	7.08	
LAB*TCRa	62.5	52.77	172.29	

standard and adapted CIELAB

LAB*LAB	62.93	-52.64	9.65	
LAB*LAB	62.93	-52.68	7.08	
LAB*TCRa	62.5	52.77	172.29	

relative Inform. Technology (IT)

olvi3*	0.0	0.75	0.0	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.0	0.75	0.0	(1.0)
cmyn4*	0.75	0.25	0.75	(0.0)
LAB*LAB	44.41	-35.05	6.71	
LAB*LAB	44.41	-34.86	4.72	
LAB*TCRa	50.0	35.19	172.29	

standard and adapted CIELAB

LAB*LAB	44.41	-35.05	6.71	
LAB*LAB	44.41	-35.05	6.71	
LAB*TCRa	50.0	35.19	172.29	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.0	0.5	0.0	(1.0)
cmyn4*	0.75	0.5	0.75	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.75	0.75	0.75	(0.0)
olvi4*	0.25	0.25	0.25	(1.0)
cmyn4*	0.75	0.75	0.75	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

standard and adapted CIELAB

LAB*LAB	35.06	-34.87	5.41	
LAB*LAB	35.06	-34.87	5.41	
LAB*TCRa	37.5	17.59	172.29	

$n^* = 0,00$	
	0,25

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 92/360 = 0.255$

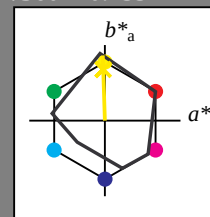
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

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 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.72 -1.64 26.21
LAB*LABa 93.72 -0.69 21.57
LAB*TCHa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.75 (1.0)
cmyn3* 0.0 0.024 0.5 (0.0)
olvi4* 1.0 0.978 0.75 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LABa 92.04 -1.39 43.14
LAB*TCHa 75.0 43.16 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.5 (1.0)
cmyn3* 0.0 0.037 0.75 (0.0)
olvi4* 1.0 0.963 0.5 (1.0)
cmyn4* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LABa 90.36 -2.08 64.71
LAB*TCHa 62.5 64.74 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.951 0.0 (1.0)
cmyn3* 0.0 0.049 1.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 0.0 0.049 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.68 -3.62 90.58
LAB*LABa 88.68 -2.77 86.27
LAB*TCHa 50.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.933 0.0 (1.0)
cmyn3* 0.0 0.062 1.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.062 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.85 -4.38 91.85
LAB*LABa 86.85 -3.43 87.34
LAB*TCHa 37.5 87.34 91.84

relative Inform. Technology (IT)
olvi3* 1.0 0.915 0.0 (1.0)
cmyn3* 0.0 0.081 1.0 (0.0)
olvi4* 1.0 0.915 0.0 (1.0)
cmyn4* 0.0 0.081 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.19 -5.12 91.83
LAB*LABa 85.19 -4.17 86.82
LAB*TCHa 25.0 86.82 91.84

relative Inform. Technology (IT)
olvi3* 1.0 0.897 0.0 (1.0)
cmyn3* 0.0 0.099 1.0 (0.0)
olvi4* 1.0 0.897 0.0 (1.0)
cmyn4* 0.0 0.099 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.51 -5.97 91.81
LAB*LABa 83.51 -5.02 85.30
LAB*TCHa 12.5 85.30 91.84

relative Inform. Technology (IT)
olvi3* 1.0 0.879 0.0 (1.0)
cmyn3* 0.0 0.117 1.0 (0.0)
olvi4* 1.0 0.879 0.0 (1.0)
cmyn4* 0.0 0.117 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 81.83 -6.82 91.79
LAB*LABa 81.83 -5.87 83.78
LAB*TCHa 0.0 83.78 91.84

relative Inform. Technology (IT)
olvi3* 1.0 0.861 0.0 (1.0)
cmyn3* 0.0 0.135 1.0 (0.0)
olvi4* 1.0 0.861 0.0 (1.0)
cmyn4* 0.0 0.135 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.15 -7.67 91.77
LAB*LABa 80.15 -6.72 81.76
LAB*TCHa -7.67 81.76 91.84

relative Inform. Technology (IT)
olvi3* 1.0 0.843 0.0 (1.0)
cmyn3* 0.0 0.153 1.0 (0.0)
olvi4* 1.0 0.843 0.0 (1.0)
cmyn4* 0.0 0.153 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 78.47 -8.52 91.75
LAB*LABa 78.47 -7.57 79.75
LAB*TCHa -15.3 79.75 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.738 0.5 (1.0)
cmyn3* 0.25 0.262 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.38 -0.68 21.57
LAB*LABa 74.38 -0.68 21.57
LAB*TCHa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.75 (0.0)
olvi4* 1.0 0.978 0.75 (0.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.7 -1.92 46.37
LAB*LABa 72.7 -1.38 43.14
LAB*TCHa 50.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.713 0.0 (1.0)
cmyn3* 0.25 0.274 0.75 (0.0)
olvi4* 1.0 0.963 0.25 (1.0)
cmyn4* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 71.02 -2.07 64.7
LAB*LABa 71.02 -2.07 64.7
LAB*TCHa 37.5 64.74 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.695 0.0 (1.0)
cmyn3* 0.25 0.287 1.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 0.0 0.049 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.13 -2.96 69.13
LAB*LABa 69.13 -2.08 64.71
LAB*TCHa 25.0 64.74 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.677 0.0 (1.0)
cmyn3* 0.25 0.305 1.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.062 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.47 -3.82 91.73
LAB*LABa 67.47 -2.87 86.27
LAB*TCHa 12.5 86.27 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.659 0.0 (1.0)
cmyn3* 0.25 0.323 1.0 (0.0)
olvi4* 1.0 0.915 0.0 (1.0)
cmyn4* 0.0 0.081 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.79 -4.67 91.71
LAB*LABa 65.79 -3.72 81.76
LAB*TCHa 0.0 81.76 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.641 0.0 (1.0)
cmyn3* 0.25 0.341 1.0 (0.0)
olvi4* 1.0 0.897 0.0 (1.0)
cmyn4* 0.0 0.099 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.11 -5.52 91.69
LAB*LABa 64.11 -4.57 79.75
LAB*TCHa -12.5 79.75 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.623 0.0 (1.0)
cmyn3* 0.25 0.359 1.0 (0.0)
olvi4* 1.0 0.879 0.0 (1.0)
cmyn4* 0.0 0.117 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.43 -6.37 91.67
LAB*LABa 62.43 -5.42 75.75
LAB*TCHa -25.0 75.75 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.605 0.0 (1.0)
cmyn3* 0.25 0.377 1.0 (0.0)
olvi4* 1.0 0.861 0.0 (1.0)
cmyn4* 0.0 0.135 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.75 -7.22 91.65
LAB*LABa 60.75 -6.27 71.76
LAB*TCHa -37.5 71.76 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.587 0.0 (1.0)
cmyn3* 0.25 0.395 1.0 (0.0)
olvi4* 1.0 0.843 0.0 (1.0)
cmyn4* 0.0 0.153 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.07 -8.07 91.63
LAB*LABa 59.07 -7.12 67.75
LAB*TCHa -50.0 67.75 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.488 0.25 (1.0)
cmyn3* 0.5 0.512 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 55.03 -0.89 3.16
LAB*LABa 55.03 -0.89 3.16
LAB*TCHa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.0 (1.0)
cmyn3* 0.5 0.524 0.0 (0.0)
olvi4* 1.0 0.978 0.0 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.35 -1.38 43.13
LAB*LABa 53.35 -1.38 43.13
LAB*TCHa 25.0 43.16 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.464 0.0 (1.0)
cmyn3* 0.5 0.536 0.0 (0.0)
olvi4* 1.0 0.963 0.0 (1.0)
cmyn4* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 51.67 -1.87 46.37
LAB*LABa 51.67 -1.87 46.37
LAB*TCHa 12.5 46.37 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.452 0.0 (1.0)
cmyn3* 0.5 0.548 0.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 0.0 0.049 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 -2.77 86.27
LAB*LABa 50.0 -2.77 86.27
LAB*TCHa 0.0 86.32 91.85

relative Inform. Technology (IT)
olvi3* 0.5 0.440 0.0 (1.0)
cmyn3* 0.5 0.560 0.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.062 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.31 -3.62 90.58
LAB*LABa 48.31 -2.87 86.27
LAB*TCHa -12.5 86.27 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.428 0.0 (1.0)
cmyn3* 0.5 0.572 0.0 (0.0)
olvi4* 1.0 0.915 0.0 (1.0)
cmyn4* 0.0 0.081 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.63 -4.47 90.56
LAB*LABa 46.63 -3.72 81.76
LAB*TCHa -25.0 81.76 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.416 0.0 (1.0)
cmyn3* 0.5 0.584 0.0 (0.0)
olvi4* 1.0 0.897 0.0 (1.0)
cmyn4* 0.0 0.099 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.95 -5.32 90.54
LAB*LABa 44.95 -4.57 79.75
LAB*TCHa -37.5 79.75 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.404 0.0 (1.0)
cmyn3* 0.5 0.596 0.0 (0.0)
olvi4* 1.0 0.879 0.0 (1.0)
cmyn4* 0.0 0.117 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.27 -6.17 90.52
LAB*LABa 43.27 -5.42 75.75
LAB*TCHa -50.0 75.75 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.392 0.0 (1.0)
cmyn3* 0.5 0.608 0.0 (0.0)
olvi4* 1.0 0.861 0.0 (1.0)
cmyn4* 0.0 0.135 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.59 -7.02 90.50
LAB*LABa 41.59 -6.27 71.76
LAB*TCHa -62.5 71.76 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.380 0.0 (1.0)
cmyn3* 0.5 0.620 0.0 (0.0)
olvi4* 1.0 0.843 0.0 (1.0)
cmyn4* 0.0 0.153 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.91 -7.87 90.48
LAB*LABa 39.91 -6.72 67.75
LAB*TCHa -75.0 67.75 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.36 -0.3 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.238 0.5 (1.0)
cmyn3* 0.75 0.762 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.68 -0.52 22.29
LAB*LABa 35.68 -0.68 21.56
LAB*TCHa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.226 0.0 (1.0)
cmyn3* 0.75 0.774 0.0 (0.0)
olvi4* 1.0 0.978 0.0 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.00 -1.07 46.37
LAB*LABa 34.00 -1.07 46.37
LAB*TCHa 0.0 46.37 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.214 0.0 (1.0)
cmyn3* 0.75 0.786 0.0 (0.0)
olvi4* 1.0 0.963 0.0 (1.0)
cmyn4* 0.0 0.037 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 32.32 -1.56 49.61
LAB*LABa 32.32 -1.56 49.61
LAB*TCHa -12.5 49.61 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.202 0.0 (1.0)
cmyn3* 0.75 0.798 0.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 0.0 0.049 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.64 -2.41 90.46
LAB*LABa 30.64 -2.41 90.46
LAB*TCHa -25.0 90.46 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.190 0.0 (1.0)
cmyn3* 0.75 0.810 0.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.062 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.96 -3.26 90.44
LAB*LABa 28.96 -3.26 90.44
LAB*TCHa -37.5 90.44 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.178 0.0 (1.0)
cmyn3* 0.75 0.822 0.0 (0.0)
olvi4* 1.0 0.915 0.0 (1.0)
cmyn4* 0.0 0.081 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.28 -4.11 90.42
LAB*LABa 27.28 -3.72 81.76
LAB*TCHa -50.0 81.76 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.166 0.0 (1.0)
cmyn3* 0.75 0.834 0.0 (0.0)
olvi4* 1.0 0.897 0.0 (1.0)
cmyn4* 0.0 0.099 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.60 -4.96 90.40
LAB*LABa 25.60 -4.57 79.75
LAB*TCHa -62.5 79.75 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.154 0.0 (1.0)
cmyn3* 0.75 0.846 0.0 (0.0)
olvi4* 1.0 0.879 0.0 (1.0)
cmyn4* 0.0 0.117 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.92 -5.81 90.38
LAB*LABa 23.92 -4.57 75.75
LAB*TCHa -75.0 75.75 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.142 0.0 (1.0)
cmyn3* 0.75 0.858 0.0 (0.0)
olvi4* 1.0 0.861 0.0 (1.0)
cmyn4* 0.0 0.135 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.24 -6.66 90.36
LAB*LABa 22.24 -4.57 71.76
LAB*TCHa -87.5 71.76 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.130 0.0 (1.0)
cmyn3* 0.75 0.870 0.0 (0.0)
olvi4* 1.0 0.843 0.0 (1.0)
cmyn4* 0.0 0.153 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 20.56 -7.51 90.34
LAB*LABa 20.56 -4.57 67.75
LAB*TCHa -100.0 67.75 91.84

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.238 0.5 (1.0)
cmyn3* 0.75 0.762 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.68 -0.52 22.29
LAB*LABa 35.68 -0.68 21.56
LAB*TCHa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.226 0.0 (1.0)
cmyn3* 0.75 0.774 0.0 (0.0)
olvi4* 1.0 0.978 0.0 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.00 -1.07 46.37
LAB*LABa 34.00 -1.07 46.37
LAB*TCHa 0.0 46.37 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.214 0.0 (1.0)
cmyn3* 0.75 0.786 0.0 (0.0)
olvi4* 1.0 0.963 0.0 (1.0)
cmyn4* 0.0 0.037 0.75 (0.0)
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LAB*LABa 32.32 -1.56 49.61
LAB*TCHa -12.5 49.61 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.202 0.0 (1.0)
cmyn3* 0.75 0.798 0.0 (0.0)
olvi4* 1.0 0.951 0.0 (1.0)
cmyn4* 0.0 0.049 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.64 -2.41 90.46
LAB*LABa 30.64 -2.41 90.46
LAB*TCHa -25.0 90.46 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.190 0.0 (1.0)
cmyn3* 0.75 0.810 0.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.062 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.96 -3.26 90.44
LAB*LABa 28.96 -3.26 90.44
LAB*TCHa -37.5 90.44 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.178 0.0 (1.0)
cmyn3* 0.75 0.822 0.0 (0.0)
olvi4* 1.0 0.915 0.0 (1.0)
cmyn4* 0.0 0.081 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.28 -4.11 90.42
LAB*LABa 27.28 -3.72 81.76
LAB*TCHa -50.0 81.76 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.166 0.0 (1.0)
cmyn3* 0.75 0.834 0.0 (0.0)
olvi4* 1.0 0.897 0.0 (1.0)
cmyn4* 0.0 0.099 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.60 -4.96 90.40
LAB*LABa 25.60 -4.57 79.75
LAB*TCHa -62.5 79.75 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.154 0.0 (1.0)
cmyn3* 0.75 0.846 0.0 (0.0)
olvi4* 1.0 0.879 0.0 (1.0)
cmyn4* 0.0 0.117 1.0 (0.0)
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LAB*LABa 23.92 -4.57 75.75
LAB*TCHa -75.0 75.75 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.142 0.0 (1.0)
cmyn3* 0.75 0.858 0.0 (0.0)
olvi4* 1.0 0.861 0.0 (1.0)
cmyn4* 0.0 0.135 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.24 -6.66 90.36
LAB*LABa 22.24 -4.57 71.76
LAB*TCHa -87.5 71.76 91.84

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