

Input: Colorimetric Reflective System MRS18a

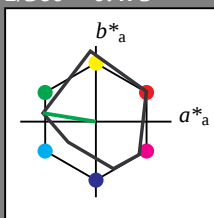
for hue $h^* = lab^*h = 171/360 = 0.475$
 lab^*ch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi5* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
olvi3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi5* 0.75 1.0 0.75 (1.0)
olvi5* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.58 -17.45 2.82
LAB*LABa 84.58 -17.47 2.82
LAB*TCHa 97.5 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
olvi3* 0.25 0.0 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
olvi4* 0.25 0.0 0.25 (0.0)
olvi5* 0.5 1.0 0.5 (1.0)
olvi5* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -34.92 5.64
LAB*LABa 73.75 -34.96 5.63
LAB*TCHa 75.0 35.42 170.85

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
olvi3* 0.125 0.0 0.125 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
olvi4* 0.125 0.0 0.125 (0.0)
olvi5* 0.25 1.0 0.25 (1.0)
olvi5* 0.125 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 62.93 -52.39 8.46
LAB*LABa 62.93 -52.44 8.45
LAB*TCHa 62.5 53.13 170.85

relative Inform. Technology (IT)
olvi3* 0.125 1.0 0.125 (1.0)
olvi3* 0.0625 0.0 0.0625 (0.0)
olvi4* 0.125 1.0 0.125 (1.0)
olvi4* 0.0625 0.0 0.0625 (0.0)
olvi5* 0.125 1.0 0.125 (1.0)
olvi5* 0.0625 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LABa 52.11 -69.92 11.26
LAB*TCHa 50.0 70.83 170.85

relative Inform. Technology (IT)
olvi3* 0.0625 1.0 0.0625 (1.0)
olvi3* 0.03125 0.0 0.03125 (0.0)
olvi4* 0.0625 1.0 0.0625 (1.0)
olvi4* 0.03125 0.0 0.03125 (0.0)
olvi5* 0.0625 1.0 0.0625 (1.0)
olvi5* 0.03125 0.0 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 44.41 -34.91 5.65
LAB*LABa 44.41 -34.96 5.63
LAB*TCHa 50.0 35.42 170.85

relative Inform. Technology (IT)
olvi3* 0.03125 1.0 0.03125 (1.0)
olvi3* 0.015625 0.0 0.015625 (0.0)
olvi4* 0.03125 1.0 0.03125 (1.0)
olvi4* 0.015625 0.0 0.015625 (0.0)
olvi5* 0.03125 1.0 0.03125 (1.0)
olvi5* 0.015625 0.0 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 17.96 150.91
LAB*LABa 35.0 17.96 150.91
LAB*TCHa 35.0 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.015625 1.0 0.015625 (1.0)
olvi3* 0.0078125 0.0 0.0078125 (0.0)
olvi4* 0.015625 1.0 0.015625 (1.0)
olvi4* 0.0078125 0.0 0.0078125 (0.0)
olvi5* 0.015625 1.0 0.015625 (1.0)
olvi5* 0.0078125 0.0 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 17.96 150.91
LAB*LABa 26.24 17.96 150.91
LAB*TCHa 26.24 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.0078125 1.0 0.0078125 (1.0)
olvi3* 0.00390625 0.0 0.00390625 (0.0)
olvi4* 0.0078125 1.0 0.0078125 (1.0)
olvi4* 0.00390625 0.0 0.00390625 (0.0)
olvi5* 0.0078125 1.0 0.0078125 (1.0)
olvi5* 0.00390625 0.0 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.00390625 1.0 0.00390625 (1.0)
olvi3* 0.001953125 0.0 0.001953125 (0.0)
olvi4* 0.00390625 1.0 0.00390625 (1.0)
olvi4* 0.001953125 0.0 0.001953125 (0.0)
olvi5* 0.00390625 1.0 0.00390625 (1.0)
olvi5* 0.001953125 0.0 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 13.58 0.0 0.0
LAB*LABa 13.58 0.0 0.0
LAB*TCHa 13.58 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.001953125 1.0 0.001953125 (1.0)
olvi3* 0.0009765625 0.0 0.0009765625 (0.0)
olvi4* 0.001953125 1.0 0.001953125 (1.0)
olvi4* 0.0009765625 0.0 0.0009765625 (0.0)
olvi5* 0.001953125 1.0 0.001953125 (1.0)
olvi5* 0.0009765625 0.0 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 9.38 0.0 0.0
LAB*LABa 9.38 0.0 0.0
LAB*TCHa 9.38 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.75 0.75 0.75 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.5 0.5 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 -17.43 2.83
LAB*LABa 65.23 -17.48 2.82
LAB*TCHa 62.5 17.71 170.85

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.125 0.125 0.125 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi5* 0.25 0.25 0.25 (1.0)
olvi5* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LABa 52.11 -69.92 11.26
LAB*TCHa 50.0 70.83 170.85

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
olvi3* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.125 0.125 0.125 (1.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi5* 0.125 0.125 0.125 (1.0)
olvi5* 0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 44.41 -34.91 5.65
LAB*LABa 44.41 -34.96 5.63
LAB*TCHa 50.0 35.42 170.85

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
olvi3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.0625 0.0625 0.0625 (1.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi5* 0.0625 0.0625 0.0625 (1.0)
olvi5* 0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 17.96 150.91
LAB*LABa 35.0 17.96 150.91
LAB*TCHa 35.0 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
olvi3* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.03125 0.03125 0.03125 (1.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi5* 0.03125 0.03125 0.03125 (1.0)
olvi5* 0.015625 0.015625 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 17.96 150.91
LAB*LABa 26.24 17.96 150.91
LAB*TCHa 26.24 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.015625 0.015625 0.015625 (1.0)
olvi3* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.015625 0.015625 0.015625 (1.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi5* 0.015625 0.015625 0.015625 (1.0)
olvi5* 0.0078125 0.0078125 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
olvi3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (1.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi5* 0.0078125 0.0078125 0.0078125 (1.0)
olvi5* 0.00390625 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 13.58 0.0 0.0
LAB*LABa 13.58 0.0 0.0
LAB*TCHa 13.58 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.00390625 0.00390625 0.00390625 (1.0)
olvi3* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (1.0)
olvi4* 0.001953125 0.001953125 0.001953125 (0.0)
olvi5* 0.00390625 0.00390625 0.00390625 (1.0)
olvi5* 0.001953125 0.001953125 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 9.38 0.0 0.0
LAB*LABa 9.38 0.0 0.0
LAB*TCHa 9.38 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.001953125 0.001953125 0.001953125 (1.0)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi4* 0.001953125 0.001953125 0.001953125 (1.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi5* 0.001953125 0.001953125 0.001953125 (1.0)
olvi5* 0.0009765625 0.0009765625 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 6.25 0.0 0.0
LAB*LABa 6.25 0.0 0.0
LAB*TCHa 6.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi3* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi5* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi5* 0.00048828125 0.00048828125 0.00048828125 (0.0)
standard and adapted CIELAB
LAB*LAB 4.69 0.0 0.0
LAB*LABa 4.69 0.0 0.0
LAB*TCHa 4.69 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
olvi3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 0.5 0.5 0.5 (1.0)
olvi5* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.0 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi3* 0.125 0.125 0.125 (0.0)
olvi4* 0.25 0.25 0.25 (1.0)
olvi4* 0.125 0.125 0.125 (0.0)
olvi5* 0.25 0.25 0.25 (1.0)
olvi5* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.41 2.83
LAB*LABa 45.88 -17.46 2.82
LAB*TCHa 42.5 17.71 170.85

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.125 (1.0)
olvi3* 0.0625 0.0625 0.0625 (0.0)
olvi4* 0.125 0.125 0.125 (1.0)
olvi4* 0.0625 0.0625 0.0625 (0.0)
olvi5* 0.125 0.125 0.125 (1.0)
olvi5* 0.0625 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 35.0 17.96 150.91
LAB*LABa 35.0 17.96 150.91
LAB*TCHa 35.0 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.0625 0.0625 0.0625 (1.0)
olvi3* 0.03125 0.03125 0.03125 (0.0)
olvi4* 0.0625 0.0625 0.0625 (1.0)
olvi4* 0.03125 0.03125 0.03125 (0.0)
olvi5* 0.0625 0.0625 0.0625 (1.0)
olvi5* 0.03125 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 17.96 150.91
LAB*LABa 26.24 17.96 150.91
LAB*TCHa 26.24 17.96 150.91

relative Inform. Technology (IT)
olvi3* 0.03125 0.03125 0.03125 (1.0)
olvi3* 0.015625 0.015625 0.015625 (0.0)
olvi4* 0.03125 0.03125 0.03125 (1.0)
olvi4* 0.015625 0.015625 0.015625 (0.0)
olvi5* 0.03125 0.03125 0.03125 (1.0)
olvi5* 0.015625 0.015625 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.015625 0.015625 0.015625 (1.0)
olvi3* 0.0078125 0.0078125 0.0078125 (0.0)
olvi4* 0.015625 0.015625 0.015625 (1.0)
olvi4* 0.0078125 0.0078125 0.0078125 (0.0)
olvi5* 0.015625 0.015625 0.015625 (1.0)
olvi5* 0.0078125 0.0078125 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 13.58 0.0 0.0
LAB*LABa 13.58 0.0 0.0
LAB*TCHa 13.58 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0078125 0.0078125 0.0078125 (1.0)
olvi3* 0.00390625 0.00390625 0.00390625 (0.0)
olvi4* 0.0078125 0.0078125 0.0078125 (1.0)
olvi4* 0.00390625 0.00390625 0.00390625 (0.0)
olvi5* 0.0078125 0.0078125 0.0078125 (1.0)
olvi5* 0.00390625 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 9.38 0.0 0.0
LAB*LABa 9.38 0.0 0.0
LAB*TCHa 9.38 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.00390625 0.00390625 0.00390625 (1.0)
olvi3* 0.001953125 0.001953125 0.001953125 (0.0)
olvi4* 0.00390625 0.00390625 0.00390625 (1.0)
olvi4* 0.001953125 0.001953125 0.001953125 (0.0)
olvi5* 0.00390625 0.00390625 0.00390625 (1.0)
olvi5* 0.001953125 0.001953125 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 6.25 0.0 0.0
LAB*LABa 6.25 0.0 0.0
LAB*TCHa 6.25 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.001953125 0.001953125 0.001953125 (1.0)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi4* 0.001953125 0.001953125 0.001953125 (1.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (0.0)
olvi5* 0.001953125 0.001953125 0.001953125 (1.0)
olvi5* 0.0009765625 0.0009765625 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 4.69 0.0 0.0
LAB*LABa 4.69 0.0 0.0
LAB*TCHa 4.69 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi3* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi4* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (0.0)
olvi5* 0.0009765625 0.0009765625 0.0009765625 (1.0)
olvi5* 0.00048828125 0.00048828125 0.00048828125 (0.0)
standard and adapted CIELAB
LAB*LAB 3.13 0.0 0.0
LAB*LABa 3.13 0.0 0.0
LAB*TCHa 3.13 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.00048828125 0.00048828125 0.00048828125 (1.0)
olvi3* 0.000244140625 0.000244140625 0.000244140625 (0.0)
olvi4* 0.00048828125 0.00048828125 0.00048828125 (1.0)
olvi4* 0.000244140625 0.000244140625 0.000244140625 (0.0)
olvi5* 0.00048828125 0.00048828125 0.00048828125 (1.0)
olvi5* 0.000244140625 0.000244140625 0.000244140625 (0.0)
standard and adapted CIELAB
LAB*LAB 1.56 0.0 0.0
LAB*LABa 1.56 0.0 0.0
LAB*TCHa 1.56 0.0 0.0

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 217/360 = 0.601$

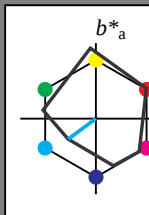
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
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B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 19$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 0.0 0.0 0.0 (0.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
olvi8* 0.0 0.0 0.0 (0.0)
olvi9* 0.0 0.0 0.0 (0.0)
olvi10* 0.0 0.0 0.0 (0.0)
olvi11* 0.0 0.0 0.0 (0.0)
olvi12* 0.0 0.0 0.0 (0.0)
olvi13* 0.0 0.0 0.0 (0.0)
olvi14* 0.0 0.0 0.0 (0.0)
olvi15* 0.0 0.0 0.0 (0.0)
olvi16* 0.0 0.0 0.0 (0.0)
olvi17* 0.0 0.0 0.0 (0.0)
olvi18* 0.0 0.0 0.0 (0.0)
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relative Inform. Technology (IT)
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relative Inform. Technology (IT)
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relative Inform. Technology (IT)
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relative Inform. Technology (IT)
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Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

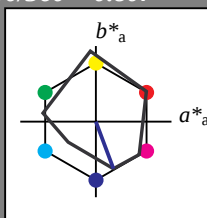
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
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	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.72 5.84 -15.55
LAB*LABa 80.72 5.81 -15.55
LAB*TCHa 97.5 16.61 290.48

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 66.03 11.67 -31.12
LAB*LABa 66.03 11.63 -31.13
LAB*TCHa 75.0 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 17.5 -46.68
LAB*LABa 51.34 17.44 -46.7
LAB*TCHa 62.5 49.86 290.48

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.37 5.86 -15.55
LAB*LABa 61.37 5.81 -15.56
LAB*TCHa 62.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.63 -31.13
LAB*LABa 46.68 11.63 -31.13
LAB*TCHa 50.0 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.125 0.125 1.0 (1.0)
cmyn3* 0.125 0.125 0.0 (0.0)
olvi4* 0.125 0.125 1.0 (0.0)
cmyn4* 0.125 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.26 -62.27
LAB*LABa 36.65 23.26 -62.27
LAB*TCHa 37.5 49.86 290.48

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LABa 60.56 15.24 -19.79
LAB*TCHa 75.0 27.11 305.0

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.35 -32.08
LAB*LABa 43.14 23.35 -32.08
LAB*TCHa 62.5 40.67 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.61 -21.1
LAB*LABa 41.21 15.55 -22.21
LAB*TCHa 50.0 27.12 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 0.25 (0.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.72 31.46 -44.36
LAB*LABa 25.72 31.46 -44.36
LAB*TCHa 50.0 54.23 305.0

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.02 5.81 -15.56
LAB*LABa 42.02 5.81 -15.56
LAB*TCHa 37.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.0 17.52 -46.67
LAB*LABa 32.0 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.0 (1.0)
cmyn3* 0.125 0.125 0.0 (0.0)
olvi4* 0.125 0.125 0.0 (0.0)
cmyn4* 0.125 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.82 17.51 -46.67
LAB*LABa 22.82 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LABa 21.87 15.55 -22.2
LAB*TCHa 25.01 27.12 305.0

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 15.24 19.79 -75.0
LAB*LABa 15.24 19.79 -75.0
LAB*TCHa 75.0 27.11 305.0

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.02 5.81 -15.56
LAB*LABa 42.02 5.81 -15.56
LAB*TCHa 37.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.0 17.52 -46.67
LAB*LABa 32.0 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.0 (1.0)
cmyn3* 0.125 0.125 0.0 (0.0)
olvi4* 0.125 0.125 0.0 (0.0)
cmyn4* 0.125 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.82 17.51 -46.67
LAB*LABa 22.82 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LABa 21.87 15.55 -22.2
LAB*TCHa 25.01 27.12 305.0

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 15.24 19.79 -75.0
LAB*LABa 15.24 19.79 -75.0
LAB*TCHa 75.0 27.11 305.0

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.02 5.81 -15.56
LAB*LABa 42.02 5.81 -15.56
LAB*TCHa 37.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.0 17.52 -46.67
LAB*LABa 32.0 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.0 (1.0)
cmyn3* 0.125 0.125 0.0 (0.0)
olvi4* 0.125 0.125 0.0 (0.0)
cmyn4* 0.125 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.82 17.51 -46.67
LAB*LABa 22.82 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LABa 21.87 15.55 -22.2
LAB*TCHa 25.01 27.12 305.0

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 15.24 19.79 -75.0
LAB*LABa 15.24 19.79 -75.0
LAB*TCHa 75.0 27.11 305.0

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.02 5.81 -15.56
LAB*LABa 42.02 5.81 -15.56
LAB*TCHa 37.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 0.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.0 17.52 -46.67
LAB*LABa 32.0 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.125 0.125 0.0 (1.0)
cmyn3* 0.125 0.125 0.0 (0.0)
olvi4* 0.125 0.125 0.0 (0.0)
cmyn4* 0.125 0.125 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.82 17.51 -46.67
LAB*LABa 22.82 17.44 -46.7
LAB*TCHa 37.5 49.86 290.48

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LABa 21.87 15.55 -22.2
LAB*TCHa 25.01 27.12 305.0

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3*

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

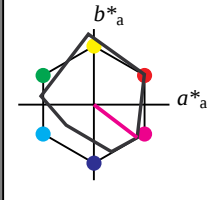
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

$\% Regularity$

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.75	1.0	(1.0)
olvi4*	0.0	0.25	0.0	(0.0)
olvi5*	0.0	0.75	1.0	(1.0)
olvi6*	0.0	0.25	0.0	(0.0)
olvi7*	0.0	0.75	1.0	(1.0)
olvi8*	0.0	0.25	0.0	(0.0)
olvi9*	0.0	0.75	1.0	(1.0)
olvi10*	0.0	0.25	0.0	(0.0)
olvi11*	0.0	0.75	1.0	(1.0)
olvi12*	0.0	0.25	0.0	(0.0)
olvi13*	0.0	0.75	1.0	(1.0)
olvi14*	0.0	0.25	0.0	(0.0)
olvi15*	0.0	0.75	1.0	(1.0)
olvi16*	0.0	0.25	0.0	(0.0)
olvi17*	0.0	0.75	1.0	(1.0)
olvi18*	0.0	0.25	0.0	(0.0)
olvi19*	0.0	0.75	1.0	(1.0)
olvi20*	0.0	0.25	0.0	(0.0)
olvi21*	0.0	0.75	1.0	(1.0)
olvi22*	0.0	0.25	0.0	(0.0)
olvi23*	0.0	0.75	1.0	(1.0)
olvi24*	0.0	0.25	0.0	(0.0)
olvi25*	0.0	0.75	1.0	(1.0)
olvi26*	0.0	0.25	0.0	(0.0)
olvi27*	0.0	0.75	1.0	(1.0)
olvi28*	0.0	0.25	0.0	(0.0)
olvi29*	0.0	0.75	1.0	(1.0)
olvi30*	0.0	0.25	0.0	(0.0)
olvi31*	0.0	0.75	1.0	(1.0)
olvi32*	0.0	0.25	0.0	(0.0)
olvi33*	0.0	0.75	1.0	(1.0)
olvi34*	0.0	0.25	0.0	(0.0)
olvi35*	0.0	0.75	1.0	(1.0)
olvi36*	0.0	0.25	0.0	(0.0)
olvi37*	0.0	0.75	1.0	(1.0)
olvi38*	0.0	0.25	0.0	(0.0)
olvi39*	0.0	0.75	1.0	(1.0)
olvi40*	0.0	0.25	0.0	(0.0)
olvi41*	0.0	0.75	1.0	(1.0)
olvi42*	0.0	0.25	0.0	(0.0)
olvi43*	0.0	0.75	1.0	(1.0)
olvi44*	0.0	0.25	0.0	(0.0)
olvi45*	0.0	0.75	1.0	(1.0)
olvi46*	0.0	0.25	0.0	(0.0)
olvi47*	0.0	0.75	1.0	(1.0)
olvi48*	0.0	0.25	0.0	(0.0)
olvi49*	0.0	0.75	1.0	(1.0)
olvi50*	0.0	0.25	0.0	(0.0)
olvi51*	0.0	0.75	1.0	(1.0)
olvi52*	0.0	0.25	0.0	(0.0)
olvi53*	0.0	0.75	1.0	(1.0)
olvi54*	0.0	0.25	0.0	(0.0)
olvi55*	0.0	0.75	1.0	(1.0)
olvi56*	0.0	0.25	0.0	(0.0)
olvi57*	0.0	0.75	1.0	(1.0)
olvi58*	0.0	0.25	0.0	(0.0)
olvi59*	0.0	0.75	1.0	(1.0)
olvi60*	0.0	0.25	0.0	(0.0)
olvi61*	0.0	0.75	1.0	(1.0)
olvi62*	0.0	0.25	0.0	(0.0)
olvi63*	0.0	0.75	1.0	(1.0)
olvi64*	0.0	0.25	0.0	(0.0)
olvi65*	0.0	0.75	1.0	(1.0)
olvi66*	0.0	0.25	0.0	(0.0)
olvi67*	0.0	0.75	1.0	(1.0)
olvi68*	0.0	0.25	0.0	(0.0)
olvi69*	0.0	0.75	1.0	(1.0)
olvi70*	0.0	0.25	0.0	(0.0)
olvi71*	0.0	0.75	1.0	(1.0)
olvi72*	0.0	0.25	0.0	(0.0)
olvi73*	0.0	0.75	1.0	(1.0)
olvi74*	0.0	0.25	0.0	(0.0)
olvi75*	0.0	0.75	1.0	(1.0)
olvi76*	0.0	0.25	0.0	(0.0)
olvi77*	0.0	0.75	1.0	(1.0)
olvi78*	0.0	0.25	0.0	(0.0)
olvi79*	0.0	0.75	1.0	(1.0)
olvi80*	0.0	0.25	0.0	(0.0)
olvi81*	0.0	0.75	1.0	(1.0)
olvi82*	0.0	0.25	0.0	(0.0)
olvi83*	0.0	0.75	1.0	(1.0)
olvi84*	0.0	0.25	0.0	(0.0)
olvi85*	0.0	0.75	1.0	(1.0)
olvi86*	0.0	0.25	0.0	(0.0)
olvi87*	0.0	0.75	1.0	(1.0)
olvi88*	0.0	0.25	0.0	(0.0)
olvi89*	0.0	0.75	1.0	(1.0)
olvi90*	0.0	0.25	0.0	(0.0)
olvi91*	0.0	0.75	1.0	(1.0)
olvi92*	0.0	0.25	0.0	(0.0)
olvi93*	0.0	0.75	1.0	(1.0)
olvi94*	0.0	0.25	0.0	(0.0)
olvi95*	0.0	0.75	1.0	(1.0)
olvi96*	0.0	0.25	0.0	(0.0)
olvi97*	0.0	0.75	1.0	(1.0)
olvi98*	0.0	0.25	0.0	(0.0)
olvi99*	0.0	0.75	1.0	(1.0)
olvi100*	0.0	0.25	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.75	1.0	(1.0)
olvi4*	0.0	0.25	0.0	(0.0)
olvi5*	0.0	0.75	1.0	(1.0)
olvi6*	0.0	0.25	0.0	(0.0)
olvi7*	0.0	0.75	1.0	(1.0)
olvi8*	0.0	0.25	0.0	(0.0)
olvi9*	0.0	0.75	1.0	(1.0)
olvi10*	0.0	0.25	0.0	(0.0)
olvi11*	0.0	0.75	1.0	(1.0)
olvi12*	0.0	0.25	0.0	(0.0)
olvi13*	0.0	0.75	1.0	(1.0)
olvi14*	0.0	0.25	0.0	(0.0)
olvi15*	0.0	0.75	1.0	(1.0)
olvi16*	0.0	0.25	0.0	(0.0)
olvi17*	0.0	0.75	1.0	(1.0)
olvi18*	0.0	0.25	0.0	(0.0)
olvi19*	0.0	0.75	1.0	(1.0)
olvi20*	0.0	0.25	0.0	(0.0)
olvi21*	0.0	0.75	1.0	(1.0)
olvi22*	0.0	0.25	0.0	(0.0)
olvi23*	0.0	0.75	1.0	(1.0)
olvi24*	0.0	0.25	0.0	(0.0)
olvi25*	0.0	0.75	1.0	(1.0)
olvi26*	0.0	0.25	0.0	(0.0)
olvi27*	0.0	0.75	1.0	(1.0)
olvi28*	0.0	0.25	0.0	(0.0)
olvi29*	0.0	0.75	1.0	(1.0)
olvi30*	0.0	0.25	0.0	(0.0)
olvi31*	0.0	0.75	1.0	(1.0)
olvi32*	0.0	0.25	0.0	(0.0)
olvi33*	0.0	0.75	1.0	(1.0)
olvi34*	0.0	0.25	0.0	(0.0)
olvi35*	0.0	0.75	1.0	(1.0)
olvi36*	0.0	0.25	0.0	(0.0)
olvi37*	0.0	0.75	1.0	(1.0)

56/V

Page: count: 7

BAM material: code=rha4ta

output: no change compared to input

BAM-test chart UE56: Colorimetric systems MRS18a & ORS18 input: *cmv0** *setcmvcolor*

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

output: *no change compared to input*

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 92/360 = 0.256$

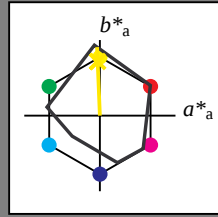
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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 0.01 0.0
LAB*LABa 95.41 0.01 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 93.73 -0.91 22.65
LAB*LABa 93.73 -0.91 22.65
LAB*TCHa 97.5 22.67 92.33

relative Inform. Technology (IT)
olvi3* 1.0 0.976 0.5 (1.0)
cmyn3* 0.0 0.024 0.5 (0.0)
olvi4* 1.0 0.976 0.5 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.06 -1.83 45.31
LAB*LABa 92.06 -1.83 45.31
LAB*TCHa 75.0 45.35 92.34

relative Inform. Technology (IT)
olvi3* 1.0 0.964 0.25 (1.0)
cmyn3* 0.0 0.036 0.25 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.38 -2.75 67.96
LAB*LABa 90.38 -2.75 67.96
LAB*TCHa 62.5 68.02 92.34

relative Inform. Technology (IT)
olvi3* 1.0 0.952 0.0 (1.0)
cmyn3* 0.0 0.048 0.0 (0.0)
olvi4* 1.0 0.952 0.0 (1.0)
cmyn4* 0.0 0.048 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 88.71 -3.67 90.61
LAB*LABa 88.71 -3.67 90.61
LAB*TCHa 50.0 90.68 92.34

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 21.4
LAB*LABa 56.71 0.23 21.4
LAB*TCHa 50.0 0.01 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 0.03 0.0
LAB*LABa 76.06 0.03 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 (0.75)
cmyn4* 0.0 0.012 0.25 0.5
standard and adapted CIELAB
LAB*LAB 74.38 -0.88 22.66
LAB*LABa 74.38 -0.88 22.66
LAB*TCHa 62.5 22.67 92.33

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.25 (0.0)
olvi4* 1.0 0.976 0.5 (0.75)
cmyn4* 0.0 0.024 0.5 0.25
standard and adapted CIELAB
LAB*LAB 72.71 -1.84 45.31
LAB*LABa 72.71 -1.84 45.31
LAB*TCHa 50.0 45.35 92.33

relative Inform. Technology (IT)
olvi3* 0.75 0.714 0.0 (1.0)
cmyn3* 0.25 0.286 0.0 (0.0)
olvi4* 1.0 0.964 0.25 0.75
cmyn4* 0.0 0.036 0.25 0.25
standard and adapted CIELAB
LAB*LAB 71.04 -2.76 67.96
LAB*LABa 71.04 -2.76 67.96
LAB*TCHa 37.51 68.01 92.33

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 21.4
LAB*LABa 56.71 0.23 21.4
LAB*TCHa 50.0 0.01 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 54.4 -0.89 23.92
LAB*LABa 54.4 -0.89 23.92
LAB*TCHa 37.5 21.94 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 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.478 0.478 0.25 (1.0)
cmyn3* 0.522 0.522 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 0.5
standard and adapted CIELAB
LAB*LAB 33.36 -1.78 45.32
LAB*LABa 33.36 -1.78 45.32
LAB*TCHa 25.0 45.35 92.33

relative Inform. Technology (IT)
olvi3* 0.5 0.524 0.0 (1.0)
cmyn3* 0.476 0.476 0.0 (0.0)
olvi4* 1.0 0.976 0.5 (0.5)
cmyn4* 0.0 0.024 0.5 0.5
standard and adapted CIELAB
LAB*LAB 33.36 -1.78 45.32
LAB*LABa 33.36 -1.78 45.32
LAB*TCHa 25.0 45.35 92.33

relative Inform. Technology (IT)
olvi3* 0.685 0.685 0.03 0.749
cmyn3* 0.315 0.315 0.03 0.251
olvi4* 1.0 0.964 0.25 0.75
cmyn4* 0.0 0.036 0.25 0.25
standard and adapted CIELAB
LAB*LAB 30.57 0.72 21.94
LAB*LABa 30.57 0.72 21.94
LAB*TCHa 25.0 21.94 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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.228 0.228 0.009 0.25
cmyn3* 0.772 0.772 0.009 0.25
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 0.75
standard and adapted CIELAB
LAB*LAB 35.68 -0.84 22.67
LAB*LABa 35.68 -0.84 22.67
LAB*TCHa 12.5 22.67 92.33

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

UE560-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart UE56; Colorimetric systems MRS18a & ORS18 input: $cmv0^* setcmykcolor$

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

output: no change compared to input

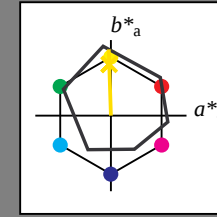
ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CLMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



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 -0.97 4.75
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*TCHa 87.5 21.93 91.86

relative Inform. Technology (IT)
olvi3* 0.97 0.97 0.25
cmyn3* 0.025 0.025 0.25
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 90.8 -2.3 48.29
LAB*LABa 90.8 -2.3 48.29
LAB*TCHa 75.0 43.87 91.85

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 0.975 0.75 (0.75)
cmyn4* 0.0 0.025 0.25 0.5
standard and adapted CIELAB
LAB*LAB 88.49 -2.96 70.06
LAB*LABa 88.49 -2.96 70.06
LAB*TCHa 62.5 65.81 91.85

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.25 (0.0)
olvi4* 1.0 0.976 0.5 (0.75)
cmyn4* 0.0 0.024 0.5 0.25
standard and adapted CIELAB
LAB*LAB 86.19 -3.62 91.83
LAB*LABa 86.19 -3.62 91.83
LAB*TCHa 50.0 91.85 92.33

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.25 (0.0)
olvi4* 1.0 0.976 0.5 (0.75)
cmyn4* 0.0 0.024 0.5 0.25
standard and adapted CIELAB
LAB*LAB 88.71 -3.67 90.61
LAB*LABa 88.71 -3.67 90.61
LAB*TCHa 50.0 90.68 92.34

relative Inform. Technology (IT)
olvi3* 0.75 0.714 0.0 (1.0)
cmyn3* 0.25 0.286 0.0 (0.0)
olvi4* 1.0 0.964 0.25 0.75
cmyn4* 0.0 0.036 0.25 0.25
standard and adapted CIELAB
LAB*LAB 88.71 -3.67 90.61
LAB*LABa 88.71 -3.67 90.61
LAB*TCHa 50.0 90.68 92.34

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 21.4
LAB*LABa 56.71 0.23 21.4
LAB*TCHa 50.0 0.01 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 54.4 -0.89 23.92
LAB*LABa 54.4 -0.89 23.92
LAB*TCHa 37.5 21.94 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 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.478 0.478 0.25 (1.0)
cmyn3* 0.522 0.522 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (0.5)
cmyn4* 0.0 0.012 0.25 0.5
standard and adapted CIELAB
LAB*LAB 33.36 -1.78 45.32
LAB*LABa 33.36 -1.78 45.32
LAB*TCHa 25.0 45.35 92.33

relative Inform. Technology (IT)
olvi3* 0.5 0.524 0.0 (1.0)
cmyn3* 0.476 0.476 0.0 (0.0)
olvi4* 1.0 0.976 0.5 (0.5)
cmyn4* 0.0 0.024 0.5 0.5
standard and adapted CIELAB
LAB*LAB 33.36 -1.78 45.32
LAB*LABa 33.36 -1.78 45.32
LAB*TCHa 25.0 45.35 92.33

relative Inform. Technology (IT)
olvi3* 0.685 0.685 0.03 0.749
cmyn3* 0.315 0.315 0.03 0.251
olvi4* 1.0 0.964 0.25 0.75
cmyn4* 0.0 0.036 0.25 0.25
standard and adapted CIELAB
LAB*LAB 30.57 0.72 21.94
LAB*LABa 30.57 0.72 21.94
LAB*TCHa 25.0 21.94 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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.228 0.228 0.009 0.25
cmyn3* 0.772 0.772 0.009 0.25
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 0.75
standard and adapted CIELAB
LAB*LAB 35.68 -0.84 22.67
LAB*LABa 35.68 -0.84 22.67
LAB*TCHa 12.5 22.67 92.33

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0
LAB*LABa

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 272/360 = 0.755$

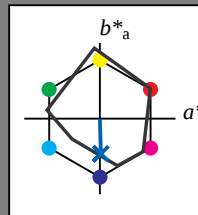
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 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*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.841 1.0 (1.0)
cmyn3* 0.25 0.159 0.0 (0.0)
olvi4* 0.75 0.841 1.0 (1.0)
cmyn4* 0.25 0.159 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 81.48 0.38 -12.35
LAB*LABa 81.48 0.38 -12.35
LAB*TCHa 97.5 12.37 271.63

relative CIELAB lab*
lab*lab 0.82 0.007 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.682 1.0 (1.0)
cmyn3* 0.5 0.318 0.0 (0.0)
olvi4* 0.5 0.682 1.0 (1.0)
cmyn4* 0.5 0.318 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.55 0.74 -24.71
LAB*LABa 67.55 0.74 -24.71
LAB*TCHa 75.0 24.74 271.63

relative CIELAB lab*
lab*lab 0.64 0.014 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.64 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*ncc 0.0 0.5 0.755

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 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.591 0.75 (1.0)
cmyn3* 0.5 0.409 0.0 (0.0)
olvi4* 0.75 0.841 1.0 (1.0)
cmyn4* 0.25 0.159 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.13 0.4 -12.35
LAB*LABa 62.13 0.4 -12.35
LAB*TCHa 62.5 12.37 271.64

relative CIELAB lab*
lab*lab 0.5 0.007 -0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.5 0.0 -0.249
lab*trc 0.625 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.432 0.75 (1.0)
cmyn3* 0.75 0.568 0.25 (0.0)
olvi4* 0.5 0.682 1.0 (1.0)
cmyn4* 0.5 0.318 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.21 0.77 -24.71
LAB*LABa 48.21 0.77 -24.71
LAB*TCHa 50.0 24.75 271.64

relative CIELAB lab*
lab*lab 0.46 0.021 -0.749
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.46 0.0 -0.749
lab*trc 0.625 0.75 0.755
lab*ncc 0.0 0.75 0.755

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 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 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*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.639 0.5 (0.0)
cmyn3* 0.75 0.841 1.0 (1.0)
olvi4* 0.5 0.682 1.0 (1.0)
cmyn4* 0.25 0.159 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.78 0.85 -12.36
LAB*LABa 42.78 0.85 -12.36
LAB*TCHa 37.5 12.37 271.64

relative CIELAB lab*
lab*lab 0.35 0.007 -0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.35 0.0 -0.249
lab*trc 0.375 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.182 0.5 (0.0)
cmyn3* 1.0 0.818 0.5 (0.0)
olvi4* 0.5 0.682 1.0 (1.0)
cmyn4* 0.5 0.318 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 28.86 0.79 -24.72
LAB*LABa 28.86 0.79 -24.72
LAB*TCHa 25.01 24.74 271.64

relative CIELAB lab*
lab*lab 0.21 0.021 -0.749
lab*tch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.21 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ncc 0.0 0.75 0.755

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 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.091 0.25 (1.0)
cmyn3* 1.0 0.909 0.75 (0.0)
olvi4* 0.5 0.841 1.0 (1.0)
cmyn4* 0.25 0.159 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.44 0.45 -12.33
LAB*LABa 23.44 0.45 -12.33
LAB*TCHa 12.5 12.37 271.65

relative CIELAB lab*
lab*lab 0.07 0.007 -0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.07 0.0 -0.249
lab*trc 0.125 0.25 0.755
lab*ncc 0.0 0.25 0.755

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 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

UE560-7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 271/360 = 0.754 (right)

BAM-test chart UE56; Colorimetric systems MRS18a & ORS18 input: $cmv0^* setcmykcolor$

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

output: no change compared to input

blackness n^* chromaticness c^*