

Input: Colorimetric Reflective System MRS18

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

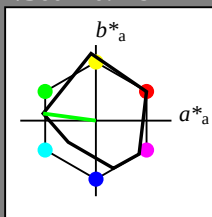
lab^*tch and lab^*nch

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)
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 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*TCHa 75.0 0.01 0.0

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lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
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relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

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lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
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olvi3* 0.25 0.25 0.25 (0.0)
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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 -0.33 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

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lab*lab 0.25 0.0 0.0
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standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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lab*nce 1.0 0.0 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 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
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standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*LABa 73.75 -34.85 4.72
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relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*tch 0.75 0.5 0.479
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relative Natural Colour (NC)
lab*trj 0.72 -0.496 -0.056
lab*tce 0.75 0.5 0.518
lab*nce 0.0 0.5 0.676

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LAB*LABa 62.93 -52.28 7.08
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relative CIELAB lab*
lab*lab 0.58 -0.742 0.101
lab*tch 0.625 0.75 0.479
lab*nch 0.0 0.75 0.479
relative Natural Colour (NC)
lab*trj 0.58 -0.744 -0.085
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lab*nce 0.0 0.75 0.676

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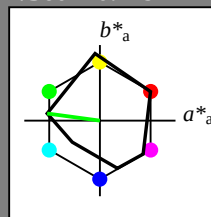
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TE540-7, 5 step scales for constant CIELAB hue 172/360 = 0.479 (left)

5 step scales for constant CIELAB hue 172/360 = 0.479 (right)

BAM-test chart TE54; Colorimetric systems ORS18 & ORS18

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

input: $olv^*setrgbcolor$

output: *Startup (S) data dependent*

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

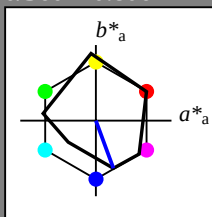
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
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relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*tch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.81 0.086 -0.234
lab*tce 0.875 0.25 0.806
lab*nce 0.0 0.25 0.806

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olvi3* 0.75 0.75 0.75 (1.0)
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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* 0.25 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*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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 0.5 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* 0.25 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*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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 0.5 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* 0.0 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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.125 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.0 0.125 0.25
lab*tce 0.125 0.25 0.806
lab*nce 0.0 0.25 0.806

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*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 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

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 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* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.29 -28.74
LAB*LABa 66.03 11.29 -28.74
LAB*LABb 66.03 11.29 -28.74
LAB*LABc 66.03 11.29 -28.74

relative CIELAB lab*
lab*lab 0.62 0.173 -0.468
lab*tch 0.75 0.5 0.806
lab*nch 0.0 0.5 0.806
relative Natural Colour (NC)
lab*trj 0.62 0.173 -0.468
lab*tce 0.75 0.5 0.806
lab*nce 0.0 0.5 0.806

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 17.25 -45.49
LAB*LABa 51.34 17.25 -45.49
LAB*LABb 51.34 17.25 -45.49
LAB*LABc 51.34 17.25 -45.49

relative CIELAB lab*
lab*lab 0.431 0.193 -0.724
lab*tch 0.625 0.75 0.791
lab*nch 0.0 0.75 0.791
relative Natural Colour (NC)
lab*trj 0.431 0.193 -0.724
lab*tce 0.625 0.75 0.791
lab*nce 0.0 0.75 0.791

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.241 0.345 -0.937
lab*tch 0.5 1.0 0.806
lab*nch 0.0 1.0 0.806
relative Natural Colour (NC)
lab*trj 0.241 0.345 -0.937
lab*tce 0.5 1.0 0.806
lab*nce 0.0 1.0 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.18 -63.05
LAB*LABa 36.65 23.18 -63.05
LAB*LABb 36.65 23.18 -63.05
LAB*LABc 36.65 23.18 -63.05

relative CIELAB lab*
lab*lab 0.181 0.259 -0.703
lab*tch 0.375 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.181 0.259 -0.703
lab*tce 0.375 0.75 0.806
lab*nce 0.0 0.75 0.806

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 290/360 = 0.806$

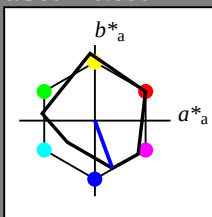
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 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*LABb 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.81 0.086 -0.234
lab*tch 0.875 0.25 0.806
lab*nch 0.0 0.25 0.806
relative Natural Colour (NC)
lab*trj 0.81 0.086 -0.234
lab*tce 0.875 0.25 0.806
lab*nce 0.0 0.25 0.806

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 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 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 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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 0.5 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* 0.25 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*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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 0.5 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* 0.25 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*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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 0.5 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* 0.25 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*LABb 56.71 0.0 0.0
LAB*LABc 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 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

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

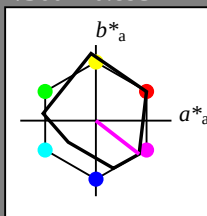
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



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 -

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*TCHa 75.0 0.01 -

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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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 -

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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

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*tce 0.25 0.0 0.0
lab*nce 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 0.46
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 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 0.0 0.46
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 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

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
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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 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 65.17 28.18 -19.4
LAB*LABa 65.17 28.18 -19.4
LAB*TCHa 75.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (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 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*TCHa 50.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.359 0.395 -0.305
lab*tch 0.5 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.5 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (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 26.48 28.56 -22.01
LAB*LABa 26.48 28.56 -22.01
LAB*TCHa 37.5 18.08 32.25

relative CIELAB lab*
lab*lab 0.305 0.593 -0.458
lab*tch 0.375 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.524 -0.57
lab*tce 0.375 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 14.71 11.23
LAB*LABa 12.5 14.71 11.23
LAB*TCHa 12.5 18.07 32.25

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.152 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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 -

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

Output: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

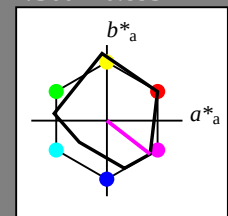
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



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 -

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*TCHa 75.0 0.01 -

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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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 -

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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 -

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*tce 0.25 0.0 0.0
lab*nce 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 0.46
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 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 0.0 0.46
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 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

%Regularity

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

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

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 65.17 28.18 -19.4
LAB*LABa 65.17 28.18 -19.4
LAB*TCHa 75.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (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 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*TCHa 50.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.359 0.395 -0.305
lab*tch 0.5 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.5 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (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 26.48 28.56 -22.01
LAB*LABa 26.48 28.56 -22.01
LAB*TCHa 37.5 18.08 32.25

relative CIELAB lab*
lab*lab 0.305 0.593 -0.458
lab*tch 0.375 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.524 -0.57
lab*tce 0.375 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 12.5 14.71 11.23
LAB*LABa 12.5 14.71 11.23
LAB*TCHa 12.5 18.07 32.25

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.152 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (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 -

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

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 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 65.17 28.18 -19.4
LAB*LABa 65.17 28.18 -19.4
LAB*TCHa 75.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (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 45.83 28.56 -20.71
LAB*LABa 45.83 28.56 -20.71
LAB*TCHa 50.0 36.15 32.25

relative CIELAB lab*
lab*lab 0.359 0.395 -0.305
lab*tch 0.5 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.359 0.324 -0.38
lab*tce 0.5 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (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 26.48 28.56 -22.01
LAB*LABa 26.48 28.56 -22.01
LAB*TCHa 37.5 18.08 32.25

relative CIELAB lab*
lab*lab 0.305 0.593 -0.458
lab*tch 0.375 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.524 -0.57
lab*tce 0.375 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 164/360 = 0.457$

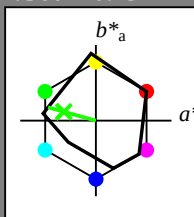
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 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*LABb	95.41 0.0 0.0
LAB*LABc	95.41 0.0 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
relative Natural Colour (NC)	
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0
lab*lab	1.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.776 1.0 0.75 (1.0)
cmyn3*	0.224 0.0 0.25 (0.0)
olvi4*	0.776 1.0 0.75 (1.0)
cmyn4*	0.224 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	85.57 -16.58 8.49
LAB*LABa	85.57 -15.79 4.4
LAB*LABb	85.57 -15.79 4.4
LAB*LABc	85.57 -15.79 4.4
relative CIELAB lab*	
lab*lab	0.873 -0.24 0.067
lab*lab	0.873 0.25 0.457
lab*lab	0.873 0.25 0.457
lab*lab	0.873 0.25 0.457
relative Natural Colour (NC)	
lab*lab	0.873 -0.24 0.067
lab*lab	0.873 0.25 0.457
lab*lab	0.873 0.25 0.457
lab*lab	0.873 0.25 0.457

relative Inform. Technology (IT)	
olvi3*	0.551 1.0 0.5 (1.0)
cmyn3*	0.449 0.0 0.5 (0.0)
olvi4*	0.551 1.0 0.5 (1.0)
cmyn4*	0.449 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	75.74 -32.2 12.22
LAB*LABa	75.74 -31.6 8.79
LAB*LABb	75.74 -31.6 8.79
LAB*LABc	75.74 -31.6 8.79
relative CIELAB lab*	
lab*lab	0.746 -0.481 0.134
lab*lab	0.746 0.5 0.457
lab*lab	0.746 0.5 0.457
lab*lab	0.746 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.746 -0.481 0.134
lab*lab	0.746 0.5 0.457
lab*lab	0.746 0.5 0.457
lab*lab	0.746 0.5 0.457

relative Inform. Technology (IT)	
olvi3*	0.327 1.0 0.25 (1.0)
cmyn3*	0.673 0.0 0.25 (0.0)
olvi4*	0.327 1.0 0.25 (1.0)
cmyn4*	0.673 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	65.9 -47.82 15.96
LAB*LABa	65.9 -47.82 15.96
LAB*LABb	65.9 -47.82 15.96
LAB*LABc	65.9 -47.82 15.96
relative CIELAB lab*	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
relative Natural Colour (NC)	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457

relative Inform. Technology (IT)	
olvi3*	0.103 1.0 0.0 (1.0)
cmyn3*	0.897 0.0 1.0 (0.0)
olvi4*	0.103 1.0 0.0 (1.0)
cmyn4*	0.897 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.07 -63.44 19.68
LAB*LABa	56.07 -63.21 17.38
LAB*LABb	56.07 -63.21 17.38
LAB*LABc	56.07 -63.21 17.38
relative CIELAB lab*	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457

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 -0.23 2.14
LAB*LABb	56.71 -0.23 2.14
LAB*LABc	56.71 -0.23 2.14
relative CIELAB lab*	
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)	
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.276 0.5 0.2 (1.0)
cmyn3*	0.724 0.5 0.75 (0.0)
olvi4*	0.276 1.0 0.75 (0.0)
cmyn4*	0.724 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	46.87 -15.85 5.88
LAB*LABa	46.87 -15.85 5.88
LAB*LABb	46.87 -15.85 5.88
LAB*LABc	46.87 -15.85 5.88
relative CIELAB lab*	
lab*lab	0.246 -0.481 0.134
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.246 -0.481 0.134
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457

relative Inform. Technology (IT)	
olvi3*	0.301 0.75 0.25 (1.0)
cmyn3*	0.699 0.25 0.75 (0.0)
olvi4*	0.301 1.0 0.75 (0.0)
cmyn4*	0.699 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.39 -31.84 10.92
LAB*LABa	56.39 -31.61 8.79
LAB*LABb	56.39 -31.61 8.79
LAB*LABc	56.39 -31.61 8.79
relative CIELAB lab*	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
relative Natural Colour (NC)	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457

relative Inform. Technology (IT)	
olvi3*	0.077 0.75 0.0 (1.0)
cmyn3*	0.923 0.25 1.0 (0.0)
olvi4*	0.077 1.0 0.25 (0.0)
cmyn4*	0.923 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	46.55 -47.46 14.64
LAB*LABa	46.55 -47.46 14.64
LAB*LABb	46.55 -47.46 14.64
LAB*LABc	46.55 -47.46 14.64
relative CIELAB lab*	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457

relative Inform. Technology (IT)	
olvi3*	0.327 1.0 0.25 (1.0)
cmyn3*	0.673 0.0 0.25 (0.0)
olvi4*	0.327 1.0 0.25 (1.0)
cmyn4*	0.673 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	65.9 -47.82 15.96
LAB*LABa	65.9 -47.82 15.96
LAB*LABb	65.9 -47.82 15.96
LAB*LABc	65.9 -47.82 15.96
relative CIELAB lab*	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
relative Natural Colour (NC)	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457

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*LABb	76.06 0.0 0.0
LAB*LABc	76.06 0.0 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
relative Natural Colour (NC)	
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0
lab*lab	0.75 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.526 0.75 0.5 (1.0)
cmyn3*	0.474 0.25 0.5 (0.0)
olvi4*	0.526 1.0 0.75 (0.0)
cmyn4*	0.474 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	66.22 -16.22 7.19
LAB*LABa	66.22 -15.8 4.4
LAB*LABb	66.22 -15.8 4.4
LAB*LABc	66.22 -15.8 4.4
relative CIELAB lab*	
lab*lab	0.526 -0.24 0.067
lab*lab	0.526 0.25 0.457
lab*lab	0.526 0.25 0.457
lab*lab	0.526 0.25 0.457
relative Natural Colour (NC)	
lab*lab	0.526 -0.24 0.067
lab*lab	0.526 0.25 0.457
lab*lab	0.526 0.25 0.457
lab*lab	0.526 0.25 0.457

relative Inform. Technology (IT)	
olvi3*	0.301 0.75 0.25 (1.0)
cmyn3*	0.699 0.25 0.75 (0.0)
olvi4*	0.301 1.0 0.75 (0.0)
cmyn4*	0.699 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.39 -31.84 10.92
LAB*LABa	56.39 -31.61 8.79
LAB*LABb	56.39 -31.61 8.79
LAB*LABc	56.39 -31.61 8.79
relative CIELAB lab*	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
relative Natural Colour (NC)	
lab*lab	0.619 -0.721 0.201
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457
lab*lab	0.619 0.75 0.457

relative Inform. Technology (IT)	
olvi3*	0.077 0.75 0.0 (1.0)
cmyn3*	0.923 0.25 1.0 (0.0)
olvi4*	0.077 1.0 0.25 (0.0)
cmyn4*	0.923 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	46.55 -47.46 14.64
LAB*LABa	46.55 -47.46 14.64
LAB*LABb	46.55 -47.46 14.64
LAB*LABc	46.55 -47.46 14.64
relative CIELAB lab*	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457

relative Inform. Technology (IT)	
olvi3*	0.103 1.0 0.0 (1.0)
cmyn3*	0.897 0.0 1.0 (0.0)
olvi4*	0.103 1.0 0.0 (1.0)
cmyn4*	0.897 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.07 -63.44 19.68
LAB*LABa	56.07 -63.21 17.38
LAB*LABb	56.07 -63.21 17.38
LAB*LABc	56.07 -63.21 17.38
relative CIELAB lab*	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.492 -0.962 0.268
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457
lab*lab	0.492 0.5 0.457

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 -0.23 2.14
LAB*LABb	56.71 -0.23 2.14
LAB*LABc	56.71 -0.23 2.14
relative CIELAB lab*	
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)	
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)
lab*lab	0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.276 0.5 0.2 (1.0)
cmyn3*	0.724 0.5 0.75 (0.0)
olvi4*	0.276 1.0 0.75 (0.0)
cmyn4*	0.724 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	46.87 -15.85 5.88
LAB*LABa	46.87 -15.85 5.88
LAB*LABb	46.87 -15.85 5.88
LAB*LABc	46.87 -15.85 5.88
relative CIELAB lab*	
lab*lab	0.246 -0.481 0.134
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457
lab*lab	0.246 0.5 0.457
relative Natural Colour (NC)	
lab*lab	0.246 -0.481 0.134
lab*lab	0.246 0.5

