

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 94/360 = 0.261$

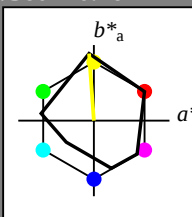
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olvi3*	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)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	1.0	1.0	1.0	(1.0)
olvi8*	0.0	0.0	0.0	(0.0)
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olvi79*	1.0	1.0	1.0	(1.0)
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olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	1.0	1.0	1.0	(1.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	1.0	1.0	1.0	(1.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	1.0	1.0	1.0	(1.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	1.0	1.0	1.0	(1.0)
olvi100*	0.0	0.0	0.0	(0.0)

LAB*TCHa	87.5	22.24	94.1
relative CIELAB lab*			
lab*lab	0.985	-0.017	0.249
lab*tch	0.875	0.25	0.261
lab*tnch	0.0	0.25	0.261
relative Natural Colour (NC)			
lab*lrj	0.985	-0.011	0.25
lab*tce	0.875	0.25	0.258
lab*nce	0.0	0.25	0.261

Input: Colorimetric Reflective System MRS18

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

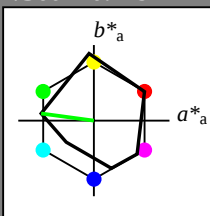
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



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	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	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.58	-18.19	6.39
LAB*LABa	84.58	-17.42	2.36
LAB*LABb	97.5	17.59	17.29

relative CIELAB lab*

lab*lab	0.86	-0.247	0.034
lab*tch	0.875	0.25	0.479
lab*nch	0.0	0.25	0.479

relative Natural Colour (NC)

lab*trj	0.86	-0.247	-0.028
lab*tce	0.875	0.25	0.518
lab*nce	0.0	0.25	0.676

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.5	1.0	0.5	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	73.75	-35.42	8.02
LAB*LABa	73.75	-34.85	4.72
LAB*LABb	75.0	35.18	17.29

relative CIELAB lab*

lab*lab	0.72	-0.494	0.067
lab*tch	0.75	0.5	0.479
lab*nch	0.0	0.5	0.479

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

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.25	1.0	0.25	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	62.93	-52.64	9.65
LAB*LABa	62.93	-52.28	7.08
LAB*LABb	62.5	52.77	17.29

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
lab*tce	0.625	0.75	0.518
lab*nce	0.0	0.75	0.676

relative Inform. Technology (IT)

olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	0.0	1.0	0.0	(1.0)
cmyn4*	1.0	0.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	52.11	-69.86	11.28
LAB*LABa	52.11	-69.71	9.44
LAB*LABb	50.0	35.18	17.29

relative CIELAB lab*

lab*lab	0.441	-0.99	0.134
lab*tch	0.5	1.0	0.479
lab*nch	0.0	1.0	0.479

relative Natural Colour (NC)

lab*trj	0.441	-0.992	-0.114
lab*tce	0.5	1.0	0.518
lab*nce	0.0	1.0	0.676

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.25	(1.0)
cmyn3*	0.75	0.5	0.75	(0.0)
olvi4*	0.25	0.5	0.25	(1.0)
cmyn4*	0.75	0.5	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	45.58	-15.72	10.13
LAB*LABa	45.58	-15.69	7.14
LAB*LABb	37.5	17.97	15.91

relative CIELAB lab*

lab*lab	0.356	-0.217	0.122
lab*tch	0.375	0.25	0.419
lab*nch	0.0	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.356	-0.238	0.072
lab*tce	0.375	0.25	0.453
lab*nce	0.0	0.25	0.618

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.0	0.5	0.0	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-3.13	0.83
LAB*LABa	37.36	-3.13	0.83
LAB*LABb	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*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*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	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*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	0.0	0.5	0.0	(1.0)
cmyn4*	0.5	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	34.46	-15.54	8.82
LAB*LABa	34.46	-15.54	8.82
LAB*LABb	25.01	35.93	15.91

relative CIELAB lab*

lab*lab	0.213	-0.436	0.243
lab*tch	0.25	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.213	-0.478	0.144
lab*tce	0.25	0.5	0.453
lab*nce	0.0	0.5	0.618

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	0.75	0.25	0.75	(0.0)
olvi4*	0.0	0.25	0.0	(1.0)
cmyn4*	0.75	0.25	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	42.68	-47.06	27.41
LAB*LABa	42.68	-47.06	26.21
LAB*LABb	37.51	53.9	15.91

relative CIELAB lab*

lab*lab	0.319	-0.654	0.365
lab*tch	0.375	0.75	0.419
lab*nch	0.0	0.75	0.419

relative Natural Colour (NC)

lab*trj	0.319	-0.717	0.217
lab*tce	0.375	0.75	0.453
lab*nce	0.0	0.75	0.618

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	-3.13	0.83
LAB*LABa	37.36	-3.13	0.83
LAB*LABb	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*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	1.0	0.75	1.0	(0.0)
olvi4*	0.0	0.25	0.0	(1.0)
cmyn4*	1.0	0.75	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	35.06	-34.67	5.41
LAB*LABa	35.06	-34.85	4.72
LAB*LABb	25.01	35.18	17.29

relative CIELAB lab*

lab*lab	0.22	-0.494	0.067
lab*tch	0.25	0.5	0.479
lab*nch	0.0	0.5	0.479

relative Natural Colour (NC)

lab*trj	0.22	-0.496	-0.056
lab*tce	0.25	0.5	0.518
lab*nce	0.0	0.5	0.676

relative Inform. Technology (IT)

olvi3*	0.11	-0.247	0.034
cmyn3*	0.125	0.25	0.479
olvi4*	0.1	0.0	0.0
cmyn4*	0.125	0.25	0.479

standard and adapted CIELAB

LAB*LAB	26.24	-17.08	2.47
LAB*LABa	26.24	-17.42	2.36
LAB*LABb	12.5	17.59	17.29

relative CIELAB lab*

lab*lab	0.11	-0.247	0.034
lab*tch	0.125	0.25	0.479
lab*nch	0.0	0.25	0.479

relative Natural Colour (NC)

lab*trj	0.11	-0.247	-0.028
lab*tce	0.125	0.25	0.518
lab*nce	0.0	0.25	0.676

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olvi4*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	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*tce	0.0	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*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	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*tce	0.0	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*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	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*tce	0.0	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*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	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*tce	0.0	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*	0.0	0.0	0.0	(1.0)
cmyn4*	1.0	1.0	1.0	(0.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LABa	18.02	0.0	0.0
LAB*LABb	0.01	0.01	0.0

relative CIEL

Input: Colorimetric Reflective System MRS18

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

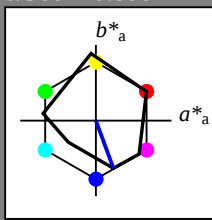
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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 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 0.75 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 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*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 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 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*trc 0.5 0.0 0.0
lab*ncc 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 37.28 0.63 0.63
LAB*LABa 37.28 0.0 0.0
LAB*LABb 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*trc 0.25 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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 80.72 5.1 -11.98
LAB*LABa 80.72 5.79 -15.75
LAB*LABb 87.5 16.79 290.19

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 -0.24
lab*trc 0.875 0.25 0.791
lab*ncc 0.0 0.25 0.806

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.29 -31.51
LAB*LABa 66.03 11.29 -31.51
LAB*LABb 75.0 33.59 290.19

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 0.129 -0.482
lab*trc 0.75 0.5 0.791
lab*ncc 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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.55 -30.05
LAB*LABa 46.68 11.55 -30.05
LAB*LABb 50.0 33.59 290.19

relative CIELAB lab*
lab*lab 0.37 0.173 -0.468
lab*tch 0.5 0.5 0.806
lab*nch 0.0 0.5 0.806
relative Natural Colour (NC)
lab*trj 0.37 0.129 -0.482
lab*trc 0.5 0.5 0.791
lab*ncc 0.0 0.5 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 27.34 11.92 31.35
LAB*LABa 27.34 11.92 31.35
LAB*LABb 25.01 33.59 290.19

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 0.193 -0.724
lab*trc 0.375 0.75 0.791
lab*ncc 0.0 0.75 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 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 62.5 50.38 290.19

relative CIELAB lab*
lab*lab 0.431 0.259 -0.703
lab*tch 0.625 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.431 0.193 -0.724
lab*trc 0.625 0.75 0.791
lab*ncc 0.0 0.75 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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.19 -63.05
LAB*LABa 36.65 23.19 -63.05
LAB*LABb 50.0 33.59 290.19

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 0.257 -0.965
lab*trc 0.5 1.0 0.791
lab*ncc 0.0 1.0 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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 32.0 17.62 -46.8
LAB*LABa 32.0 17.62 -46.8
LAB*LABb 50.0 33.59 290.19

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 0.193 -0.724
lab*trc 0.375 0.75 0.791
lab*ncc 0.0 0.75 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 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 62.5 50.38 290.19

relative CIELAB lab*
lab*lab 0.431 0.259 -0.703
lab*tch 0.625 0.75 0.806
lab*nch 0.0 0.75 0.806
relative Natural Colour (NC)
lab*trj 0.431 0.193 -0.724
lab*trc 0.625 0.75 0.791
lab*ncc 0.0 0.75 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* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.19 -63.05
LAB*LABa 36.65 23.19 -63.05
LAB*LABb 50.0 33.59 290.19

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 0.257 -0.965
lab*trc 0.5 1.0 0.791
lab*ncc 0.0 1.0 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 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*trc 0.0 0.0 0.0
lab*ncc 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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

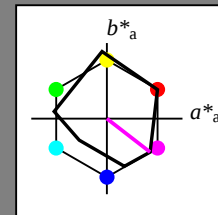
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

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 0.46 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 -

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^*



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

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

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	28.58	-22.12	
LAB*TCHa	75.0	36.15	322.25	

Input: Colorimetric Reflective System MRS18

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

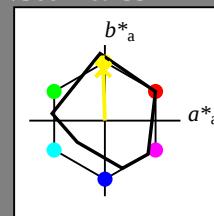
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	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*	1.0	0.988	0.75	(1.0)
cmyn3*	0.0	0.012	0.25	(0.0)
olvi4*	1.0	0.988	0.75	(1.0)
cmyn4*	0.0	0.012	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.72	-1.64	26.21
LAB*LABa	93.72	-0.69	21.57
LAB*LABb	97.5	21.58	91.86

relative CIELAB lab*

lab*lab	0.978	-0.007	0.25
lab*tch	0.875	0.25	0.255
lab*nch	0.0	0.25	0.255

relative Natural Colour (NC)

lab*trj	0.978	0.0	0.25
lab*tce	0.875	0.25	0.255
lab*nce	0.0	0.25	0.255

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	92.04	-2.3	47.67
LAB*LABa	92.04	-1.39	43.14
LAB*LABb	97.5	43.16	91.85

relative CIELAB lab*

lab*lab	0.957	-0.015	0.5
lab*tch	0.75	0.5	0.255
lab*nch	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.957	0.0	0.5
lab*tce	0.75	0.5	0.255
lab*nce	0.0	0.5	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.963	0.25	(1.0)
cmyn3*	0.0	0.037	0.25	(0.0)
olvi4*	1.0	0.963	0.25	(1.0)
cmyn4*	0.0	0.037	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.36	-2.96	69.13
LAB*LABa	90.36	-2.08	64.71
LAB*LABb	97.5	64.74	91.85

relative CIELAB lab*

lab*lab	0.932	-0.023	0.75
lab*tch	0.625	0.75	0.255
lab*nch	0.0	0.75	0.255

relative Natural Colour (NC)

lab*trj	0.932	0.0	0.75
lab*tce	0.625	0.75	0.255
lab*nce	0.0	0.75	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

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lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.0	(1.0)
cmyn3*	0.0	0.049	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.0	0.049	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-0.83	0.68
LAB*LABa	37.36	0.0	0.0
LAB*LABb	50.0	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*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.512	0.75	(0.0)
cmyn3*	0.0	0.088	0.75	(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	55.03	-0.89	31.6
LAB*LABa	55.03	-0.68	21.57
LAB*LABb	97.5	21.58	91.84

relative CIELAB lab*

lab*lab	0.478	-0.007	0.25
lab*tch	0.375	0.25	0.255
lab*nch	0.0	0.25	0.255

relative Natural Colour (NC)

lab*trj	0.478	0.0	0.25
lab*tce	0.375	0.25	0.255
lab*nce	0.0	0.25	0.255

relative Inform. Technology (IT)

olvi3*	0.75	0.713	0.0	(1.0)
cmyn3*	0.25	0.274	0.75	(0.0)
olvi4*	1.0	0.963	0.25	(0.0)
cmyn4*	0.0	0.037	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	72.7	-1.92	46.37
LAB*LABa	72.7	-1.38	43.14
LAB*LABb	97.5	43.16	91.84

relative CIELAB lab*

lab*lab	0.707	-0.015	0.5
lab*tch	0.5	0.5	0.255
lab*nch	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.707	0.0	0.5
lab*tce	0.5	0.5	0.255
lab*nce	0.0	0.5	0.255

relative Inform. Technology (IT)

olvi3*	0.951	0.0	0.0	(1.0)
cmyn3*	0.049	0.0	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.049	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

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olvi3*	0.951	0.0	0.0	(1.0)
cmyn3*	0.049	0.0	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
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lab*lab	0.913	-0.031	0.999
lab*tch	0.5	0.0	0.255
lab*nch	0.0	0.0	0.255

relative Natural Colour (NC)

lab*trj	0.913	0.0	0.255
lab*tce	0.5	0.0	0.255
lab*nce	0.0	0.0	0.255

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	(0.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	37.36	-0.83	0.68
LAB*LABa	37.36	0.0	0.0
LAB*LABb	50.0	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*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.512	0.75	(0.0)
cmyn3*	0.0	0.088	0.75	(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	55.03	-0.89	31.6
LAB*LABa	55.03	-0.68	21.57
LAB*LABb	97.5	21.58	91.84

relative CIELAB lab*

lab*lab	0.478	-0.007	0.25
lab*tch	0.375	0.25	0.255
lab*nch	0.0	0.25	0.255

relative Natural Colour (NC)

lab*trj	0.478	0.0	0.25
lab*tce	0.375	0.25	0.255
lab*nce	0.0	0.25	0.255

relative Inform. Technology (IT)

olvi3*	0.75	0.713	0.0	(1.0)
cmyn3*	0.25	0.274	0.75	(0.0)
olvi4*	1.0	0.963	0.25	(0.0)
cmyn4*	0.0	0.037	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	72.7	-1.92	46.37
LAB*LABa	72.7	-1.38	43.14
LAB*LABb	97.5	43.16	91.84

relative CIELAB lab*

lab*lab	0.707	-0.015	0.5
lab*tch	0.5	0.5	0.255
lab*nch	0.0	0.5	0.255

relative Natural Colour (NC)

lab*trj	0.707	0.0	0.5
lab*tce	0.5	0.5	0.255
lab*nce	0.0	0.5	0.255

relative Inform. Technology (IT)

olvi3*	0.951	0.0	0.0	(1.0)
cmyn3*	0.049	0.0	0.0	(0.0)
olvi4*	1.0	0.951	0.0	(1.0)
cmyn4*	0.049	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	88.68	-3.62	90.58
LAB*LABa	88.68	-2.77	86.27
LAB*LABb	97.5	86.32	91.85

relative CIELAB lab*

lab*lab	0.913	-0.031	0.999
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Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 271/360 = 0.754$

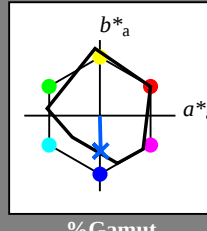
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

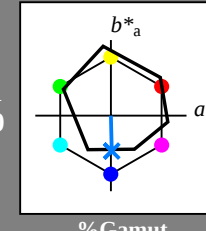
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness t^*



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
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

chromaticness c^*

TE55-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

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

BAM-test chart TE55; Colorimetric systems MRS18 & ORS18

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

input: `olv* setrgbcolor`

output: *no change compared to input*