

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 94/360 = 0.262$

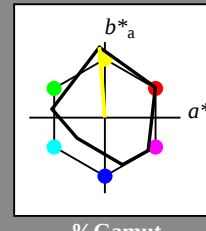
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 92$

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)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.01	0.0
LAB*LABa	95.41	0.0	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*	1.0	1.0	0.75	(1.0)
olvi3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
olvi4*	0.0	0.0	0.25	(0.0)
olvi4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	94.22	-1.8	23.29
LAB*LABa	94.22	-1.81	23.29
LAB*TCHa	97.5	23.36	94.46

relative CIELAB lab*

lab*lab	0.985	-0.018	0.249
lab*tch	0.875	0.25	0.262
lab*nch	0.0	0.25	0.262

relative Natural Colour (NC)

lab*trj	0.985	-0.011	0.25
lab*tce	0.875	0.25	0.258
lab*nce	0.0	0.25	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	93.05	-3.61	46.59
LAB*LABa	93.05	-3.63	46.59
LAB*TCHa	97.5	46.73	94.46

relative CIELAB lab*

lab*lab	0.969	-0.038	0.498
lab*tch	0.75	0.5	0.262
lab*nch	0.0	0.5	0.262

relative Natural Colour (NC)

lab*trj	0.969	-0.023	0.498
lab*tce	0.75	0.5	0.258
lab*nce	0.0	0.5	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	91.87	-5.43	69.88
LAB*LABa	91.87	-5.45	69.89
LAB*TCHa	97.5	70.1	94.46

relative CIELAB lab*

lab*lab	0.954	-0.057	0.748
lab*tch	0.625	0.75	0.262
lab*nch	0.0	0.75	0.262

relative Natural Colour (NC)

lab*trj	0.954	-0.035	0.749
lab*tce	0.625	0.75	0.258
lab*nce	0.0	0.75	0.258

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	90.69	-7.25	93.17
LAB*LABa	90.69	-7.26	93.18
LAB*TCHa	97.5	93.46	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	96.71	-2.23	21.4
LAB*LABa	96.71	-2.24	21.4
LAB*TCHa	97.5	50.0	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	96.71	0.05	0.0
LAB*LABa	96.71	0.0	0.0
LAB*TCHa	97.5	50.0	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.25	(1.0)
olvi3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
olvi4*	0.0	0.0	0.25	(0.0)
olvi4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	95.71	-1.75	23.31
LAB*LABa	95.71	-1.81	23.3
LAB*TCHa	97.5	23.37	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.35	-3.57	46.6
LAB*LABa	94.35	-3.63	46.59
LAB*TCHa	97.5	46.73	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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

standard and adapted CIELAB

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lab*nce	0.0	1.0	0.258

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

standard and adapted CIELAB

LAB*LAB	90.69	-7.25	93.17
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LAB*TCHa	97.5	93.46	94.46

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lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

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lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

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relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.69	-7.25	93.17
LAB*LABa	90.69	-7.26	93.18
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lab*nch	0.0	1.0	0.262

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lab*trj	0.939	-0.047	0.999
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relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.69	-7.25	93.17
LAB*LABa	90.69	-7.26	93.18
LAB*TCHa	97.5	93.46	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.999
lab*tce	0.5	1.0	0.258
lab*nce	0.0	1.0	0.258

ic systems M
colour scales f

Input: Colorimetric Reflective System MRS18a

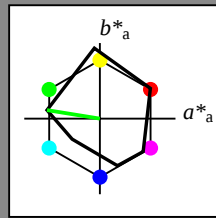
for hue $h^* = lab^*h = 171/360 = 0.475$
 lab^*ch and lab^*nch

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
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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

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

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

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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 (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 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 (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 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 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 -17.45 2.82
LAB*LABa 84.58 -17.45 2.82
LAB*TCHa 97.5 17.96 150.91

relative CIELAB lab*
lab*lab 0.86 -0.246 0.04
lab*ch 0.875 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*tr 0.86 -0.247 -0.03
lab*trc 0.875 0.25 0.475
lab*ncc 0.0 0.25 0.475

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 65.23 -17.43 2.83
LAB*LABa 65.23 -17.43 2.83
LAB*TCHa 62.5 17.71 170.85

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.03
lab*ch 0.625 0.25 0.475
lab*nch 0.25 0.25 0.475
relative Natural Colour (NC)
lab*tr 0.61 -0.247 -0.03
lab*trc 0.625 0.25 0.475
lab*ncc 0.25 0.25 0.475

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.75 1.0 0.75 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.41 2.83
LAB*LABa 45.88 -17.41 2.83
LAB*TCHa 37.5 17.71 170.85

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.03
lab*ch 0.375 0.25 0.475
lab*nch 0.25 0.25 0.475
relative Natural Colour (NC)
lab*tr 0.36 -0.247 -0.03
lab*trc 0.375 0.25 0.475
lab*ncc 0.25 0.25 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.88 0.5
LAB*LABa 35.06 -34.88 0.5
LAB*TCHa 25.01 35.42 170.85

relative CIELAB lab*
lab*lab 0.22 -0.493 0.079
lab*ch 0.25 0.5 0.475
lab*nch 0.0 0.5 0.475
relative Natural Colour (NC)
lab*tr 0.22 -0.493 0.079
lab*trc 0.25 0.5 0.475
lab*ncc 0.0 0.5 0.475

relative Inform. Technology (IT)
olvi3* 0.11 -0.246 0.04
lab*ch 0.125 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*tr 0.11 -0.247 -0.03
lab*trc 0.125 0.25 0.475
lab*ncc 0.0 0.25 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 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 -34.92 5.64
LAB*LABa 73.75 -34.92 5.64
LAB*TCHa 75.0 35.42 170.85

relative CIELAB lab*
lab*lab 0.72 -0.493 0.079
lab*ch 0.75 0.5 0.475
lab*nch 0.0 0.5 0.475
relative Natural Colour (NC)
lab*tr 0.72 -0.493 0.079
lab*trc 0.75 0.5 0.475
lab*ncc 0.0 0.5 0.475

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -34.91 5.65
LAB*LABa 54.41 -34.91 5.65
LAB*TCHa 50.0 70.83 170.85

relative CIELAB lab*
lab*lab 0.38 -0.739 0.119
lab*ch 0.625 0.75 0.475
lab*nch 0.0 0.75 0.475
relative Natural Colour (NC)
lab*tr 0.38 -0.739 0.119
lab*trc 0.625 0.75 0.475
lab*ncc 0.0 0.75 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.58 -52.37 8.47
LAB*LABa 43.58 -52.37 8.47
LAB*TCHa 51.3 53.13 170.85

relative CIELAB lab*
lab*lab 0.33 -0.739 0.119
lab*ch 0.375 0.75 0.475
lab*nch 0.0 0.75 0.475
relative Natural Colour (NC)
lab*tr 0.33 -0.739 0.119
lab*trc 0.375 0.75 0.475
lab*ncc 0.0 0.75 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.88 0.5
LAB*LABa 35.06 -34.88 0.5
LAB*TCHa 25.01 35.42 170.85

relative CIELAB lab*
lab*lab 0.22 -0.493 0.079
lab*ch 0.25 0.5 0.475
lab*nch 0.0 0.5 0.475
relative Natural Colour (NC)
lab*tr 0.22 -0.493 0.079
lab*trc 0.25 0.5 0.475
lab*ncc 0.0 0.5 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 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 -52.39 8.46
LAB*LABa 62.93 -52.39 8.46
LAB*TCHa 62.5 53.13 170.85

relative CIELAB lab*
lab*lab 0.58 -0.743 -0.091
lab*ch 0.625 0.75 0.52
lab*nch 0.0 0.75 0.52
relative Natural Colour (NC)
lab*tr 0.58 -0.743 -0.091
lab*trc 0.625 0.75 0.52
lab*ncc 0.0 0.75 0.52

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LABa 52.11 -69.86 11.28
LAB*TCHa 50.0 70.83 170.85

relative CIELAB lab*
lab*lab 0.441 -0.986 0.159
lab*ch 0.5 1.0 0.475
lab*nch 0.0 1.0 0.475
relative Natural Colour (NC)
lab*tr 0.441 -0.991 -0.122
lab*trc 0.5 1.0 0.475
lab*ncc 0.0 1.0 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 0.0 (0.0)
olvi4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 43.58 -52.37 8.47
LAB*LABa 43.58 -52.37 8.47
LAB*TCHa 51.3 53.13 170.85

relative CIELAB lab*
lab*lab 0.33 -0.739 0.119
lab*ch 0.375 0.75 0.475
lab*nch 0.0 0.75 0.475
relative Natural Colour (NC)
lab*tr 0.33 -0.739 0.119
lab*trc 0.375 0.75 0.475
lab*ncc 0.0 0.75 0.475

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 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 0.0 0.0 (0.0)
olvi4* 0.0 1.0 0.0 (0.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.02
LAB*LABa 18.02 0.00 0.02
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

0.00

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

2.25

2.50

2.75

3.00

3.25

3.50

3.75

4.00

4.25

4.50

4.75

5.00

5.25

5.50

5.75

6.00

6.25

6.50

6.75

7.00

7.25

7.50

7.75

8.00

8.25

8.50

8.75

9.00

9.25

9.50

9.75

10.00

1.00

0.75

0.50

0.25

0.00

0.00

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

2.25

2.50

2.75

3.00

3.25

3.50

3.75

4.00

4.25

www.ps.bam.de/TE56/10L/L56E03FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data TE56/10L/L56E03FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18a

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

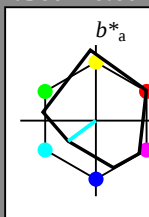
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 92$

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 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*tce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 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 75.00 0.01 0.0

relative CIELAB lab*
 lab*lab 0.837 -0.2 -0.148
 lab*tch 0.875 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.837 -0.177 -0.175
 lab*tce 0.875 0.25 0.624
 lab*nce 0.0 0.25 0.624

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 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 75.00 0.01 0.0

relative CIELAB lab*
 lab*lab 0.75 0.75 0.75 (1.0)
 lab*tch 0.75 0.75 0.75 (1.0)
 lab*nch 0.0 0.0 0.0 (0.0)
 relative Natural Colour (NC)
 lab*trj 0.75 0.75 0.75 (1.0)
 lab*tce 0.75 0.75 0.75 (1.0)
 lab*nce 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 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 50.00 0.01 0.0

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

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (0.0)
 cmyn3* 0.75 0.75 0.75 (1.0)
 olv4* 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 25.00 0.01 0.0

relative CIELAB lab*
 lab*lab 0.25 0.25 0.25 (0.0)
 lab*tch 0.375 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.375 0.25 0.601
 lab*tce 0.375 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (0.0)
 cmyn3* 0.75 0.75 0.75 (1.0)
 olv4* 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 25.00 0.01 0.0

relative CIELAB lab*
 lab*lab 0.25 0.25 0.25 (0.0)
 lab*tch 0.375 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.375 0.25 0.601
 lab*tce 0.375 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 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 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 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 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 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 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 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 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 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 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

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

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

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

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.5 0.5 0.5 (0.0)
 cmyn4* 0.5 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 70.21 -18.28 -13.55
 LAB*LABa 70.21 -18.28 -13.55
 LAB*TCHa 75.00 22.8 216.52

relative CIELAB lab*
 lab*lab 0.674 -0.401 -0.296
 lab*tch 0.75 0.5 0.601
 lab*nch 0.0 0.5 0.601
 relative Natural Colour (NC)
 lab*trj 0.674 -0.355 -0.35
 lab*tce 0.75 0.5 0.624
 lab*nce 0.0 0.5 0.624

relative Inform. Technology (IT)
 olv3* 0.25 0.75 0.75 (1.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 50.87 -18.26 -13.54
 LAB*LABa 50.87 -18.26 -13.54
 LAB*TCHa 50.00 45.6 216.52

relative CIELAB lab*
 lab*lab 0.512 -0.602 -0.445
 lab*tch 0.625 0.75 0.601
 lab*nch 0.0 0.75 0.601
 relative Natural Colour (NC)
 lab*trj 0.512 -0.533 -0.526
 lab*tce 0.625 0.75 0.624
 lab*nce 0.0 0.75 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.75 0.75 (1.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 50.87 -18.26 -13.54
 LAB*LABa 50.87 -18.26 -13.54
 LAB*TCHa 50.00 45.6 216.52

relative CIELAB lab*
 lab*lab 0.349 -0.803 -0.594
 lab*tch 0.5 1.0 0.601
 lab*nch 0.0 1.0 0.601
 relative Natural Colour (NC)
 lab*trj 0.349 -0.71 -0.702
 lab*tce 0.5 1.0 0.624
 lab*nce 0.0 1.0 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 38.28 -27.41 -20.32
 LAB*LABa 38.28 -27.41 -20.32
 LAB*TCHa 37.51 34.2 216.52

relative CIELAB lab*
 lab*lab 0.262 -0.602 -0.445
 lab*tch 0.375 0.75 0.601
 lab*nch 0.0 0.75 0.601
 relative Natural Colour (NC)
 lab*trj 0.262 -0.533 -0.526
 lab*tce 0.375 0.75 0.624
 lab*nce 0.0 0.75 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 38.28 -27.41 -20.32
 LAB*LABa 38.28 -27.41 -20.32
 LAB*TCHa 37.51 34.2 216.52

relative CIELAB lab*
 lab*lab 0.262 -0.602 -0.445
 lab*tch 0.375 0.75 0.601
 lab*nch 0.0 0.75 0.601
 relative Natural Colour (NC)
 lab*trj 0.262 -0.533 -0.526
 lab*tce 0.375 0.75 0.624
 lab*nce 0.0 0.75 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.25 0.25 (0.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.01 22.8 216.52

relative CIELAB lab*
 lab*lab 0.175 -0.401 -0.296
 lab*tch 0.25 0.5 0.601
 lab*nch 0.0 0.5 0.601
 relative Natural Colour (NC)
 lab*trj 0.175 -0.355 -0.35
 lab*tce 0.25 0.5 0.624
 lab*nce 0.0 0.5 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.25 0.25 (0.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.01 22.8 216.52

relative CIELAB lab*
 lab*lab 0.175 -0.401 -0.296
 lab*tch 0.25 0.5 0.601
 lab*nch 0.0 0.5 0.601
 relative Natural Colour (NC)
 lab*trj 0.175 -0.355 -0.35
 lab*tce 0.25 0.5 0.624
 lab*nce 0.0 0.5 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.75 0.75 (1.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.25 0.25 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.75 0.75 (1.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.02 0.0
 LAB*LABa 18.02 0.02 0.0
 LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
 lab*lab 0.0 0.25 0.25 (0.0)
 lab*tch 0.125 0.25 0.601
 lab*nch 0.0 0.25 0.601
 relative Natural Colour (NC)
 lab*trj 0.125 0.25 0.601
 lab*tce 0.125 0.25 0.601
 lab*nce 0.0 0.25 0.601

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

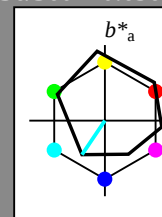
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 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)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 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 -0.6 3.44
 LAB*TCHa 75.00 0.0 0.0

relative CIELAB lab*
 lab*lab 0.881 -0.139 -0.206
 lab*tch 0.875 0.25 0.656
 lab*nch 0.0 0.25 0.656
 relative Natural Colour (NC)
 lab*trj 0.881 -0.123 -0.216
 lab*tce 0.875 0.25 0.667
 lab*nce 0.0 0.25 0.667

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 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*TCHa 50.00 0.0 0.0

relative CIELAB lab*
 lab*lab 0.631 -0.139 -0.206
 lab*tch 0.625 0.25 0.656
 lab*nch 0.0 0.25 0.656
 relative Natural Colour (NC)
 lab*trj 0.631 -0.123 -0.216
 lab*tce 0.625 0.25 0.667
 lab*nce 0.0 0.25 0.667

relative Inform. Technology (IT)
 olv3* 0.25 0.75 0.75 (1.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.5 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*TCHa 50.00 0.0 0.0

relative CIELAB lab*
 lab*lab 0.512 -0.602 -0.445
 lab*tch 0.625 0.75 0.601
 lab*nch 0.0 0.75 0.601
 relative Natural Colour (NC)
 lab*trj 0.512 -0.533 -0.526
 lab*tce 0.625 0.75 0.624
 lab*nce 0.0 0.75 0.624

relative Inform. Technology (IT)
 olv3* 0.0 0.75 0.75 (1.0)
 cmyn3* 0.75 0.25 0.25 (0.0)
 olv4* 0.5 1.0 1.0 (1.0)
 cmyn4* 0.

www.ps.bam.de/TE56/10L/L56E04FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data TE56/10L/L56E04FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18a

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

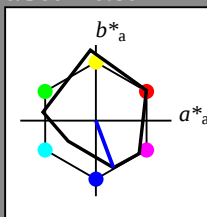
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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
 $LAB^*LAB = 95.41, 0.01, 0.0$
 $LAB^*LAb = 95.41, 0.01, 0.0$
 $LAB^*TCha = 99.99, 0.01, 0.0$
 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)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 1.0, 0.0, 0.0$
 $lab^*nce = 0.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.75, 0.75, 0.75, 1.0$
 $cmyn3^* = 0.25, 0.25, 0.25, 0.0$
 $olvi4^* = 0.75, 0.75, 1.0, 1.0$
 $cmyn4^* = 0.25, 0.25, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 80.72, 5.84, -15.55$
 $LAB^*LAb = 80.72, 5.81, -15.55$
 $LAB^*TCha = 87.5, 16.61, 290.48$
 relative CIELAB lab^*
 $lab^*lab = 0.81, 0.087, -0.233$
 $lab^*tch = 0.875, 0.25, 0.807$
 $lab^*nch = 0.0, 0.25, 0.807$
 relative Natural Colour (NC)
 $lab^*trj = 0.81, 0.087, -0.241$
 $lab^*tce = 0.875, 0.25, 0.791$
 $lab^*nce = 0.0, 0.25, 0.791$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 0.5, 0.5, 1.0, 1.0$
 $cmyn4^* = 0.5, 0.5, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 66.03, 11.67, -31.12$
 $LAB^*LAb = 66.03, 11.63, -31.13$
 $LAB^*TCha = 75.0, 33.24, 290.48$
 relative CIELAB lab^*
 $lab^*lab = 0.62, 0.175, -0.467$
 $lab^*tch = 0.75, 0.5, 0.807$
 $lab^*nch = 0.0, 0.5, 0.807$
 relative Natural Colour (NC)
 $lab^*trj = 0.62, 0.128, -0.482$
 $lab^*tce = 0.75, 0.5, 0.791$
 $lab^*nce = 0.0, 0.5, 0.791$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olvi4^* = 0.25, 0.25, 1.0, 1.0$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 51.34, 17.5, -46.68$
 $LAB^*LAb = 51.34, 17.44, -46.7$
 $LAB^*TCha = 62.5, 49.86, 290.48$
 relative CIELAB lab^*
 $lab^*lab = 0.431, 0.262, -0.702$
 $lab^*tch = 0.625, 0.75, 0.807$
 $lab^*nch = 0.0, 0.75, 0.807$
 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)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 0.0, 0.0$
 $olvi4^* = 0.0, 0.0, 1.0, 1.0$
 $cmyn4^* = 1.0, 1.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 36.65, 23.25, -62.26$
 $LAB^*LAb = 36.65, 23.25, -62.26$
 $LAB^*TCha = 50.0, 66.47, 290.48$
 relative CIELAB lab^*
 $lab^*lab = 0.241, 0.35, -0.936$
 $lab^*tch = 0.5, 1.0, 0.807$
 $lab^*nch = 0.0, 1.0, 0.807$
 relative Natural Colour (NC)
 $lab^*trj = 0.241, 0.257, -0.965$
 $lab^*tce = 0.5, 1.0, 0.791$
 $lab^*nce = 0.0, 1.0, 0.791$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71, 0.23, 21.4$
 $LAB^*LAb = 56.71, 0.23, 21.4$
 $LAB^*TCha = 50.0, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.5, 0.5, 0.0$
 $lab^*tch = 0.5, 0.5, 0.0$
 $lab^*nch = 0.5, 0.5, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.5, 0.0$
 $lab^*tce = 0.5, 0.5, 0.0$
 $lab^*nce = 0.5, 0.5, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 39.28, 7.87, -10.13$
 $LAB^*LAb = 39.28, 7.87, -10.13$
 $LAB^*TCha = 37.5, 13.56, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.275, 0.143, -0.204$
 $lab^*tch = 0.375, 0.25, 0.847$
 $lab^*nch = 0.5, 0.25, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.275, 0.112, -0.222$
 $lab^*tce = 0.375, 0.25, 0.824$
 $lab^*nce = 0.5, 0.25, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.5, 0.0$
 $olvi4^* = 0.75, 0.75, 1.0, 0.5$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 41.21, 15.61, -21.1$
 $LAB^*LAb = 41.21, 15.55, -22.21$
 $LAB^*TCha = 50.0, 27.12, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.55, 0.287, -0.408$
 $lab^*tch = 0.5, 0.5, 0.847$
 $lab^*nch = 0.5, 0.5, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.55, 0.225, -0.446$
 $lab^*tce = 0.55, 0.25, 0.824$
 $lab^*nce = 0.5, 0.25, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 0.5, 0.0$
 $olvi4^* = 0.5, 0.5, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 21.87, 15.55, -22.2$
 $LAB^*LAb = 21.87, 15.55, -22.2$
 $LAB^*TCha = 25.01, 27.12, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.05, 0.287, -0.408$
 $lab^*tch = 0.25, 0.5, 0.847$
 $lab^*nch = 0.5, 0.5, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.05, 0.225, -0.446$
 $lab^*tce = 0.05, 0.25, 0.824$
 $lab^*nce = 0.5, 0.25, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.0, 0.0, 0.0, 1.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 1.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02, 0.0, 0.0$
 $LAB^*LAb = 18.02, 0.0, 0.0$
 $LAB^*TCha = 0.01, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, 0.0$
 $lab^*nch = 1.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 1.0, 0.0, 0.0$
 $lab^*nce = 1.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 37.26, 11.71, 31.1$
 $LAB^*LAb = 37.26, 11.71, 31.1$
 $LAB^*TCha = 25.0, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.25, 0.0, 0.0$
 $lab^*tch = 0.25, 0.0, 0.0$
 $lab^*nch = 0.75, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.25, 0.0, 0.0$
 $lab^*tce = 0.25, 0.0, 0.0$
 $lab^*nce = 0.75, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 0.5, 0.0$
 $olvi4^* = 0.5, 0.5, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 22.67, 5.94, 15.33$
 $LAB^*LAb = 22.67, 5.81, -15.55$
 $LAB^*TCha = 12.5, 16.61, 290.48$
 relative CIELAB lab^*
 $lab^*lab = 0.06, 0.087, -0.233$
 $lab^*tch = 0.125, 0.25, 0.807$
 $lab^*nch = 0.5, 0.25, 0.807$
 relative Natural Colour (NC)
 $lab^*trj = 0.06, 0.087, -0.241$
 $lab^*tce = 0.125, 0.25, 0.791$
 $lab^*nce = 0.5, 0.25, 0.791$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71, 0.23, 21.4$
 $LAB^*LAb = 56.71, 0.23, 21.4$
 $LAB^*TCha = 50.0, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.5, 0.5, 0.0$
 $lab^*tch = 0.5, 0.5, 0.0$
 $lab^*nch = 0.5, 0.5, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.5, 0.0$
 $lab^*tce = 0.5, 0.5, 0.0$
 $lab^*nce = 0.5, 0.5, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71, 0.23, 21.4$
 $LAB^*LAb = 56.71, 0.23, 21.4$
 $LAB^*TCha = 50.0, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.5, 0.5, 0.0$
 $lab^*tch = 0.5, 0.5, 0.0$
 $lab^*nch = 0.5, 0.5, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.5, 0.0$
 $lab^*tce = 0.5, 0.5, 0.0$
 $lab^*nce = 0.5, 0.5, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 1.0, 0.0$
 $olvi4^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn4^* = 0.0, 0.0, 0.0, 1.0$
 standard and adapted CIELAB
 $LAB^*LAB = 18.02, 0.0, 0.0$
 $LAB^*LAb = 18.02, 0.0, 0.0$
 $LAB^*TCha = 0.01, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 1.0, 0.0, 0.0$
 $lab^*tch = 1.0, 0.0, 0.0$
 $lab^*nch = 1.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 1.0, 0.0, 0.0$
 $lab^*tce = 1.0, 0.0, 0.0$
 $lab^*nce = 1.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.5, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 56.71, 0.23, 21.4$
 $LAB^*LAb = 56.71, 0.23, 21.4$
 $LAB^*TCha = 50.0, 0.01, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.5, 0.5, 0.0$
 $lab^*tch = 0.5, 0.5, 0.0$
 $lab^*nch = 0.5, 0.5, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.5, 0.5, 0.0$
 $lab^*tce = 0.5, 0.5, 0.0$
 $lab^*nce = 0.5, 0.5, 0.0$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

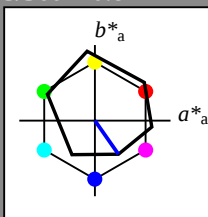
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 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
 $LAB^*LAB = 95.41, -0.97, 4.75$
 $LAB^*LAb = 95.41, 0.0, 0.0$
 $LAB^*TCha = 99.99, 0.01, 0.0$
 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)
 $olvi3^* = 0.75, 0.75, 0.75, 1.0$
 $cmyn3^* = 0.25, 0.25, 0.25, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.75$
 $cmyn4^* = 0.25, 0.25, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 76.06, -0.6, 3.44$
 $LAB^*LAb = 76.06, 0.0, 0.0$
 $LAB^*TCha = 75.0, 0.0, 0.0$
 relative CIELAB lab^*
 $lab^*lab = 0.5, 0.5, 0.5, 1.0$
 $lab^*tch = 0.75, 0.75, 0.75, 1.0$
 $lab^*nch = 0.0, 0.0, 0.0$
 relative Natural Colour (NC)
 $lab^*trj = 0.75, 0.75, 0.75, 1.0$
 $lab^*tce = 0.75, 0.75, 0.75, 1.0$
 $lab^*nce = 0.0, 0.0, 0.0$

relative Inform. Technology (IT)
 $olvi3^* = 0.5, 0.5, 0.5, 1.0$
 $cmyn3^* = 0.5, 0.5, 0.5, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.5, 0.5, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 60.56, 15.24, -19.79$
 $LAB^*LAb = 60.56, 15.55, 22.3$
 $LAB^*TCha = 75.0, 27.12, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.55, 0.287, -0.408$
 $lab^*tch = 0.75, 0.5, 0.847$
 $lab^*nch = 0.5, 0.5, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.55, 0.225, -0.446$
 $lab^*tce = 0.75, 0.5, 0.824$
 $lab^*nce = 0.5, 0.25, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.25, 0.25, 0.25, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.75, 0.0$
 $olvi4^* = 1.0, 1.0, 1.0, 0.5$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 41.21, 15.61, -21.1$
 $LAB^*LAb = 41.21, 15.55, -22.21$
 $LAB^*TCha = 50.0, 27.12, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.55, 0.287, -0.408$
 $lab^*tch = 0.75, 0.5, 0.847$
 $lab^*nch = 0.5, 0.5, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.55, 0.225, -0.446$
 $lab^*tce = 0.75, 0.5, 0.824$
 $lab^*nce = 0.5, 0.25, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 0.75, 0.75, 0.5, 0.0$
 $olvi4^* = 0.75, 0.75, 1.0, 0.5$
 $cmyn4^* = 0.75, 0.75, 0.0, 0.5$
 standard and adapted CIELAB
 $LAB^*LAB = 43.14, 23.35, -32.08$
 $LAB^*LAb = 43.14, 23.35, -33.31$
 $LAB^*TCha = 62.5, 40.67, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.325, 0.337, -0.669$
 $lab^*tch = 0.625, 0.75, 0.847$
 $lab^*nch = 0.5, 0.75, 0.847$
 relative Natural Colour (NC)
 $lab^*trj = 0.325, 0.337, -0.669$
 $lab^*tce = 0.625, 0.75, 0.824$
 $lab^*nce = 0.5, 0.75, 0.824$

relative Inform. Technology (IT)
 $olvi3^* = 0.0, 0.0, 0.0, 1.0$
 $cmyn3^* = 1.0, 1.0, 0.0, 0.0$
 $olvi4^* = 0.0, 0.0, 1.0, 1.0$
 $cmyn4^* = 1.0, 1.0, 0.0, 0.0$
 standard and adapted CIELAB
 $LAB^*LAB = 25.72, 31.46, -44.36$
 $LAB^*LAb = 25.72, 31.46, -44.36$
 $LAB^*TCha = 50.0, 54.23, 305.0$
 relative CIELAB lab^*
 $lab^*lab = 0.1, 0.573, -0.818$
 $lab^*tch = 0.5, 1.0, 0.847$
 $lab^*nch = 0.0, 1.0, 0.847$
 relative Natural Colour (NC)
 lab^*tr

Input: Colorimetric Reflective System MRS18a

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

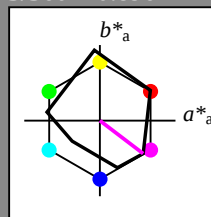
lab^*tch and lab^*nch

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)
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*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.29 14.34 -10.89
LAB*LABa 80.29 14.34 -10.89
LAB*TCHa 97.5 17.99 322.71

relative CIELAB lab*
lab*lab 0.609 0.398 -0.15
lab*tch 0.875 0.25 0.896
lab*nch 0.0 0.25 0.896
relative Natural Colour (NC)
lab*trj 0.805 0.162 -0.189
lab*tce 0.875 0.25 0.862
lab*nce 0.0 0.25 0.844

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 28.63 -21.78
LAB*LABa 65.17 28.63 -21.78
LAB*TCHa 75.0 35.99 322.71

relative CIELAB lab*
lab*lab 0.609 0.398 -0.302
lab*tch 0.75 0.5 0.896
lab*nch 0.0 0.5 0.896
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 0.75 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 0.5 0.0
lab*tch 0.75 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 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 60.94 14.37 -10.88
LAB*LABa 60.94 14.37 -10.88
LAB*TCHa 62.5 18.0 322.71

relative CIELAB lab*
lab*lab 0.555 0.199 -0.15
lab*tch 0.625 0.25 0.896
lab*nch 0.25 0.25 0.896
relative Natural Colour (NC)
lab*trj 0.555 0.162 -0.189
lab*tce 0.625 0.25 0.862
lab*nce 0.25 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 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 45.83 28.7 -21.78
LAB*LABa 45.83 28.64 -21.8
LAB*TCHa 50.0 35.99 322.71

relative CIELAB lab*
lab*lab 0.414 0.597 -0.453
lab*tch 0.625 0.5 0.896
lab*nch 0.0 0.5 0.896
relative Natural Colour (NC)
lab*trj 0.414 0.486 -0.57
lab*tce 0.625 0.5 0.862
lab*nce 0.0 0.5 0.844

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 0.05 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 0.5 0.0
lab*tch 0.5 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 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 41.25 14.39 10.87
LAB*LABa 41.25 14.39 10.87
LAB*TCHa 37.5 18.0 322.71

relative CIELAB lab*
lab*lab 0.305 0.199 -0.15
lab*tch 0.375 0.25 0.896
lab*nch 0.25 0.25 0.896
relative Natural Colour (NC)
lab*trj 0.305 0.162 -0.189
lab*tce 0.375 0.25 0.862
lab*nce 0.25 0.25 0.844

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 26.48 28.72 -11.77
LAB*LABa 26.48 28.63 -11.79
LAB*TCHa 25.01 35.99 322.71

relative CIELAB lab*
lab*lab 0.164 0.597 -0.453
lab*tch 0.375 0.5 0.896
lab*nch 0.25 0.5 0.896
relative Natural Colour (NC)
lab*trj 0.164 0.486 -0.57
lab*tce 0.375 0.5 0.862
lab*nce 0.25 0.5 0.844

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 0.5 0.0
lab*tch 0.25 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 1.0 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 26.48 28.72 -11.77
LAB*LABa 26.48 28.63 -11.79
LAB*TCHa 25.01 35.99 322.71

relative CIELAB lab*
lab*lab 0.109 0.398 -0.302
lab*tch 0.25 0.5 0.896
lab*nch 0.0 0.5 0.896
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.5 0.862
lab*nce 0.0 0.5 0.844

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 0.0
LAB*LABa 18.02 18.02 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 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 0.5 0.46
LAB*LABa 18.02 0.5 0.46
LAB*TCHa 0.0 0.01 0.0

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

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

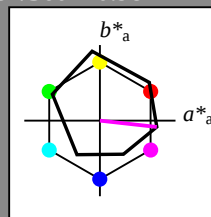
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 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

%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 0.0 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* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.81 2.08
LAB*LABa 83.59 18.81 2.08
LAB*TCHa 87.5 16.32 353.66

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.847 0.227 -0.103
lab*tce 0.875 0.25 0.932
lab*nce 0.0 0.25 0.972

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.5 0.0
lab*tch 0.75 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0
lab*tce 0.75 0.5 0.0
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 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 64.24 18.43 0.56
LAB*LABa 64.24 18.43 0.56
LAB*TCHa 62.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.595 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.595 0.454 -0.208
lab*tce 0.75 0.5 0.932
lab*nce 0.0 0.5 0.972

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 0.23 2.14
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.0
lab*tch 0.5 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0
lab*tce 0.5 0.5 0.0
lab*nce 0.0 0.5 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 44.89 18.8 -0.73
LAB*LABa 44.89 18.82 -0.68
LAB*TCHa 37.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.347 0.227 -0.103
lab*tce 0.375 0.25 0.932
lab*nce 0.0 0.25 0.972

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 CIELAB lab*
lab*lab 0.25 0.5 0.0
lab*tch 0.25 0.5 0.0
lab*nch 0.0 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.0 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 1.0 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 26.48 28.72 -11.77
LAB*LABa 26.48 28.63 -11.79
LAB*TCHa 25.01 35.99 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*tce 0.25 0.5 0.932
lab*nce 0.0 0.5 0.972

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

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.46
LAB*LABa 18.02 0.5 0.46
LAB*TCHa 0.0 0.01 0.0

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

TE560-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

BAM-test chart TE560; Colorimetric systems MRS18a & ORS18

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

input: $olv^* setrgbcolor$
output: $olv^* setrgbcolor / w^* setgray$

6
-8

Input: Colorimetric Reflective System MRS18a

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

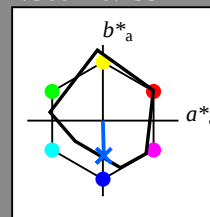
lab^*ch and lab^*nch

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

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

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

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*	0.75 0.75 0.75 (1.0)
olvi4*	0.25 0.25 0.25 (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*	0.25 0.25 0.25 (0.0)
olvi4*	0.75 0.75 0.75 (1.0)
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*	0.0 0.0 0.0 (0.0)
olvi4*	0.25 0.25 0.25 (0.0)
olvi5*	0.75 0.75 0.75 (1.0)
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