

Input: Colorimetric Reflective System MRS18

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

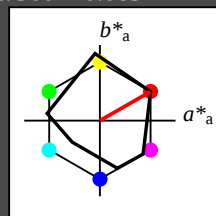
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



MRS18; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 0.0

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

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.625 0.217 0.124
lab*tch 0.625 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.625 0.248 0.03
lab*tce 0.625 0.25 0.019
lab*nce 0.0 0.25 0.019

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 37.36 -0.38 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.332 0.217 0.124
lab*tch 0.375 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.332 0.248 0.03
lab*tce 0.375 0.25 0.019
lab*nce 0.0 0.25 0.019

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

relative CIELAB lab*
lab*lab 0.102 0.217 0.124
lab*tch 0.125 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.03
lab*tce 0.125 0.25 0.019
lab*nce 0.0 0.25 0.019

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

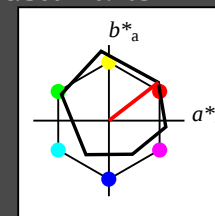
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

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* 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 0.847 0.198 0.153
lab*tch 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.847 0.238 0.075
lab*tce 0.875 0.25 0.048
lab*nce 0.0 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.593 0.396 0.306
lab*tch 0.625 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.593 0.477 0.15
lab*tce 0.625 0.25 0.048
lab*nce 0.0 0.25 0.191

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 -0.38 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.238 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.0 0.25 0.191

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

relative CIELAB lab*
lab*lab 0.102 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.102 0.238 0.075
lab*tce 0.125 0.25 0.048
lab*nce 0.0 0.25 0.191

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (0.0)
cmyn3* 1.0 1.0 1.0 (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 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TCHa 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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

BAM-test chart TE55; Colorimetric systems MRS18 & ORS18

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

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

input: $olv^* setrgbcolor$

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

BAM material: code=rhda4a

Input: Colorimetric Reflective System MRS18

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

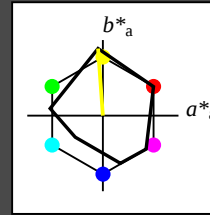
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 91$

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
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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*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 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 94.22 -2.54 26.86
LAB*LABa 94.22 -1.58 22.19
LAB*TCHa 97.5 22.24 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 93.05 -4.11 48.97
LAB*LABa 93.05 -3.17 44.37
LAB*TCHa 75.0 44.48 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

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 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.88 -2.17 25.56
LAB*LABa 74.88 -1.58 22.19
LAB*TCHa 62.5 22.24 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.5 (1.0)
cmyn3* 0.25 0.25 0.5 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.05 -4.11 48.97
LAB*LABa 73.05 -3.17 44.37
LAB*TCHa 62.5 22.24 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

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 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.25 -1.8 24.26
LAB*LABa 55.25 -1.58 22.19
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

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 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.31 -3.31 47.67
LAB*LABa 53.31 -3.17 44.38
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

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

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 48.85 -0.035 0.499
LAB*LABa 48.85 -0.035 0.499
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.67 -3.31 47.67
LAB*LABa 47.67 -3.17 44.38
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 46.36 -0.36 0.749
LAB*LABa 46.36 0.0 0.0
LAB*TCHa 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.03 -3.65 0.75
LAB*LABa 45.03 -3.17 44.38
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 43.75 -4.77 66.55
LAB*LABa 43.75 -4.77 66.55
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 42.35 -0.017 0.249
LAB*LABa 42.35 -0.017 0.249
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.75 -0.25 0.25
LAB*LABa 40.75 -0.25 0.25
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 39.92 -2.17 67.76
LAB*LABa 39.92 -2.17 67.76
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.37 -4.77 66.55
LAB*LABa 38.37 -4.77 66.55
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 36.96 -4.3 22.94
LAB*LABa 36.96 -4.3 22.94
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.45 -5.77 25.0
LAB*LABa 35.45 -5.77 25.0
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.94 -5.77 25.0
LAB*LABa 34.94 -5.77 25.0
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 33.92 -6.36 88.75
LAB*LABa 33.92 -6.36 88.75
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.31 -7.23 93.17
LAB*LABa 32.31 -7.23 93.17
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -8.48 99.99
LAB*LABa 30.57 -8.48 99.99
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 28.85 -9.44 111.11
LAB*LABa 28.85 -9.44 111.11
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*tch 0.875 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.985 -0.011 0.25
lab*tce 0.875 0.25 0.261
lab*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.98 -10.49 133.33
LAB*LABa 26.98 -10.49 133.33
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.969 -0.035 0.499
lab*tch 0.75 0.5 0.261
lab*nch 0.0 0.5 0.261
relative Natural Colour (NC)
lab*trj 0.969 -0.023 0.499
lab*tce 0.75 0.5 0.261
lab*nce 0.0 0.5 0.261

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.0 -11.11 155.56
LAB*LABa 25.0 -11.11 155.56
LAB*TCHa 50.0 44.49 94.1

relative CIELAB lab*
lab*lab 0.9

www.ps.bam.de/TE55/10S/S55E02FP.PS/.PDF; linearized output
F: Output Linearization (OL) data TE55/10S/S55E02FP.DAT in File (F)

Input: Colorimetric Reflective System MRS18

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

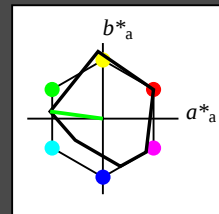
lab^*tch and lab^*nch

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

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

relative Inform. Technology (IT)	0.0	0.0	0.0
olvi3*	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0
olvi8*	0.0	0.0	0.0
olvi9*	0.0	0.0	0.0
olvi10*	0.0	0.0	0.0
olvi11*	0.0	0.0	0.0
olvi12*	0.0	0.0	0.0
olvi13*	0.0	0.0	0.0
olvi14*	0.0	0.0	0.0
olvi15*	0.0	0.0	0.0
olvi16*	0.0	0.0	0.0
olvi17*	0.0	0.0	0.0
olvi18*	0.0	0.0	0.0
olvi19*	0.0	0.0	0.0
olvi20*	0.0	0.0	0.0
olvi21*	0.0	0.0	0.0
olvi22*	0.0	0.0	0.0
olvi23*	0.0	0.0	0.0
olvi24*	0.0	0.0	0.0
olvi25*	0.0	0.0	0.0
olvi26*	0.0	0.0	0.0
olvi27*	0.0	0.0	0.0
olvi28*	0.0	0.0	0.0
olvi29*	0.0	0.0	0.0
olvi30*	0.0	0.0	0.0
olvi31*	0.0	0.0	0.0
olvi32*	0.0	0.0	0.0
olvi33*	0.0	0.0	0.0
olvi34*	0.0	0.0	0.0
olvi35*	0.0	0.0	0.0
olvi36*	0.0	0.0	0.0
olvi37*	0.0	0.0	0.0
olvi38*	0.0	0.0	0.0
olvi39*	0.0	0.0	0.0
olvi40*	0.0	0.0	0.0
olvi41*	0.0	0.0	0.0
olvi42*	0.0	0.0	0.0
olvi43*	0.0	0.0	0.0
olvi44*	0.0	0.0	0.0
olvi45*	0.0	0.0	0.0
olvi46*	0.0	0.0	0.0
olvi47*	0.0	0.0	0.0
olvi48*	0.0	0.0	0.0
olvi49*	0.0	0.0	0.0
olvi50*	0.0	0.0	0.0
olvi51*	0.0	0.0	0.0
olvi52*	0.0	0.0	0.0
olvi53*	0.0	0.0	0.0
olvi54*	0.0	0.0	0.0
olvi55*	0.0	0.0	0.0
olvi56*	0.0	0.0	0.0
olvi57*	0.0	0.0	0.0
olvi58*	0.0	0.0	0.0
olvi59*	0.0	0.0	0.0
olvi60*	0.0	0.0	0.0
olvi61*	0.0	0.0	0.0
olvi62*	0.0	0.0	0.0
olvi63*	0.0	0.0	0.0
olvi64*	0.0	0.0	0.0
olvi65*	0.0	0.0	0.0
olvi66*	0.0	0.0	0.0
olvi67*	0.0	0.0	0.0
olvi68*	0.0	0.0	0.0
olvi69*	0.0	0.0	0.0
olvi70*	0.0	0.0	0.0
olvi71*	0.0	0.0	0.0
olvi72*	0.0	0.0	0.0
olvi73*	0.0	0.0	0.0
olvi74*	0.0	0.0	0.0
olvi75*	0.0	0.0	0.0</

Input: Colorimetric Reflective System MRS18

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

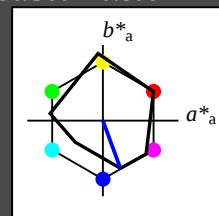
lab^*tch and lab^*nch

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

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

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

1.00

0.75

0.25

0.00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

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

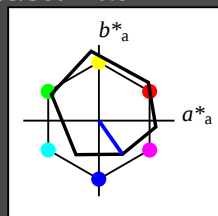
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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

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

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

1.00

0.75

0.25

0.00

chromaticness c^*

TE55-7, 5 step scales for constant CIELAB hue 290/360 = 0.806 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

BAM-test chart TE55; Colorimetric systems MRS18 & ORS18

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

input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

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

				-6	
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Input: Colorimetric Reflective System MRS18

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

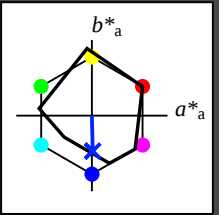
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

triangle lightness t^*



% 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*	0.75 0.842 1.0 (1.0)
olvi4*	0.25 0.158 0.0 (0.0)
olvi5*	0.75 0.842 1.0 (1.0)
olvi6*	0.25 0.158 0.0 (0.0)
olvi7*	0.75 0.842 1.0 (1.0)
olvi8*	0.25 0.158 0.0 (0.0)
olvi9*	0.75 0.842 1.0 (1.0)
olvi10*	0.25 0.158 0.0 (0.0)
olvi11*	0.75 0.842 1.0 (1.0)
olvi12*	0.25 0.158 0.0 (0.0)
olvi13*	0.75 0.842 1.0 (1.0)
olvi14*	0.25 0.158 0.0 (0.0)
olvi15*	0.75 0.842 1.0 (1.0)
olvi16*	0.25 0.158 0.0 (0.0)
olvi17*	0.75 0.842 1.0 (1.0)
olvi18*	0.25 0.158 0.0 (0.0)
olvi19*	0.75 0.842 1.0 (1.0)
olvi20*	0.25 0.158 0.0 (0.0)
olvi21*	0.75 0.842 1.0 (1.0)
olvi22*	0.25 0.158 0.0 (0.0)
olvi23*	0.75 0.842 1.0 (1.0)
olvi24*	0.25 0.158 0.0 (0.0)
olvi25*	0.75 0.842 1.0 (1.0)
olvi26*	0.25 0.158 0.0 (0.0)
olvi27*	0.75 0.842 1.0 (1.0)
olvi28*	0.25 0.158 0.0 (0.0)
olvi29*	0.75 0.842 1.0 (1.0)
olvi30*	0.25 0.158 0.0 (0.0)
olvi31*	0.75 0.842 1.0 (1.0)
olvi32*	0.25 0.158 0.0 (0.0)
olvi33*	0.75 0.842 1.0 (1.0)
olvi34*	0.25 0.158 0.0 (0.0)
olvi35*	0.75 0.842 1.0 (1.0)
olvi36*	0.25 0.158 0.0 (0.0)
olvi37*	0.75 0.842 1.0 (1.0)
olvi38*	0.25 0.158 0.0 (0.0)
olvi39*	0.75 0.842 1.0 (1.0)
olvi40*	0.25 0.158 0.0 (0.0)
olvi41*	0.75 0.842 1.0 (1.0)
olvi42*	0.25 0.158 0.0 (0.0)
olvi43*	0.75 0.842 1.0 (1.0)
olvi44*	0.25 0.158 0.0 (0.0)
olvi45*	0.75 0.842 1.0 (1.0)
olvi46*	0.25 0.158 0.0 (0.0)
olvi47*	0.75 0.842 1.0 (1.0)
olvi48*	0.25 0.158 0.0 (0.0)
olvi49*	0.75 0.842 1.0 (1.0)
olvi50*	0.25 0.158 0.0 (0.0)
olvi51*	0.75 0.842 1.0 (1.0)
olvi52*	0.25 0.158 0.0 (0.0)
olvi53*	0.75 0.842 1.0 (1.0)
olvi54*	0.25 0.158 0.0 (0.0)
olvi55*	0.75 0.842 1.0 (1.0)
olvi56*	0.25 0.158 0.0 (0.0)
olvi57*	0.75 0.842 1.0 (1.0)
olvi58*	0.25 0.158 0.0 (0.0)
olvi59*	0.75 0.842 1.0 (1.0)
olvi60*	0.25 0.158 0.0 (0.0)
olvi61*	0.75 0.842 1.0 (1.0)
olvi62*	0.25 0.158 0.0 (0.0)
olvi63*	0.75 0.842 1.0 (1.0)
olvi64*	0.25 0.158 0.0 (0.0)
olvi65*	0.75 0.842 1.0 (1.0)
olvi66*	0.25 0.158 0.0 (0.0)
olvi67*	0.75 0.842 1.0 (1.0)
olvi68*	0.25 0.158 0.0 (0.0)
olvi69*	0.75 0.842 1.0 (1.0)
olvi70*	0.25 0.158 0.0 (0.0)
olvi71*	0.75 0.842 1.0 (1.0)
olvi72*	0.25 0.158 0.0 (0.0)
olvi73*	0.75 0.842 1.0 (1.0)
olvi74*	0.25 0.158 0.0 (0.0)
olvi75*	0.75 0.842 1.0 (1.0)
olvi76*	0.25 0.158 0.0 (0.0)
olvi77*	0.75 0.842 1.0 (1.0)
olvi78*	0.25 0.158 0.0 (0.0)
olvi79*	0.75 0.842 1.0 (1.0)
olvi80*	0.25 0.158 0.0 (0.0)
olvi81*	0.75 0.842 1.0 (1.0)
olvi82*	0.25 0.158 0.0 (0.0)
olvi83*	0.75 0.842 1.0 (1.0)
olvi84*	0.25 0.158 0.0 (0.0)
olvi85*	0.75 0.842 1.0 (1.0)
olvi86*	0.25 0.158 0.0 (0.0)
olvi87*	0.75 0.842 1.0 (1.0)
olvi88*	0.25 0.158 0.0 (0.0)
olvi89*	0.75 0.842 1.0 (1.0)
olvi90*	0.25 0.158 0.0 (0.0)
olvi91*	0.75 0.842 1.0 (1.0)
olvi92*	0.25 0.158 0.0 (0.0)
olvi93*	0.75 0.842 1.0 (1.0)
olvi94*	0.25 0.158 0.0 (0.0)
olvi95*	0.75 0.842 1.0 (1.0)
olvi96*	0.25 0.158 0.0 (0.0)
olvi97*	0.75 0.842 1.0 (1.0)
olvi98*	0.25 0.158 0.0 (0.0)
olvi99*	0.75 0.842 1.0 (1.0)
olvi100*	0.25 0.158 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.5 0.52 0.5 (0.5)
olvi4*	0.5 0.52 0.5 (0.5)
olvi5*	0.5 0.52 0.5 (0.5)
olvi6*	0.5 0.52 0.5 (0.5)
olvi7*	0.5 0.52 0.5 (0.5)
olvi8*	0.5 0.52 0.5 (0.5)
olvi9*	0.5 0.52 0.5 (0.5)
olvi10*	0.5 0.52 0.5 (0.5)
olvi11*	0.5 0.52 0.5 (0.5)
olvi12*	0.5 0.52 0.5 (0.5)
olvi13*	0.5 0.52 0.5 (0.5)
olvi14*	0.5 0.52 0.5 (0.5)
olvi15*	0.5 0.52 0.5 (0.5)
olvi16*	0.5 0.52 0.5 (0.5)
olvi17*	0.5 0.52 0.5 (0.5)
olvi18*	0.5 0.52 0.5 (0.5)
olvi19*	0.5 0.52 0.5 (0.5)
olvi20*	0.5 0.52 0.5 (0.5)
olvi21*	0.5 0.52 0.5 (0.5)
olvi22*	0.5 0.52 0.5 (0.5)
olvi23*	0.5 0.52 0.5 (0.5)
olvi24*	0.5 0.52 0.5 (0.5)
olvi25*	0.5 0.52 0.5 (0.5)
olvi26*	0.5 0.52 0.5 (0.5)
olvi27*	0.5 0.52 0.5 (0.5)
olvi28*	0.5 0.52 0.5 (0.5)
olvi29*	0.5 0.52 0.5 (0.5)
olvi30*	0.5 0.52 0.5 (0.5)
olvi31*	0.5 0.52 0.5 (0.5)
olvi32*	0.5 0.52 0.5 (0.5)
olvi33*	0.5 0.52 0.5 (0.5)
olvi34*	0.5 0.52 0.5 (0.5)
olvi35*	0.5 0.52 0.5 (0.5)
olvi36*	0.5 0.52 0.5 (0.5)
olvi37*	0.5 0.52 0.5 (0.5)
olvi38*	0.5 0.52 0.5 (0.5)
olvi39*	0.5 0.52 0.5 (0.5)
olvi40*	0.5 0.52 0.5 (0.5)
olvi41*	0.5 0.52 0.5 (0.5)
olvi42*	0.5 0.52 0.5 (0.5)
olvi43*	0.5 0.52 0.5 (0.5)
olvi44*	0.5 0.52 0.5 (0.5)
olvi45*	0.5 0.52 0.5 (0.5)
olvi46*	0.5 0.52 0.5 (0.5)
olvi47*	0.5 0.52 0.5 (0.5)
olvi48*	0.5 0.52 0.5 (0.5)
olvi49*	0.5 0.52 0.5 (0.5)
olvi50*	0.5 0.52 0.5 (0.5)
olvi51*	0.5 0.52 0.5 (0.5)
olvi52*	0.5 0.52 0.5 (0.5)
olvi53*	0.5 0.52 0.5 (0.5)
olvi54*	0.5 0.52 0.5 (0.5)
olvi55*	0.5 0.52 0.5 (0.5)
olvi56*	0.5 0.52 0.5 (0.5)
olvi57*	0.5 0.52 0.5 (0.5)
olvi58*	0.5 0.52 0.5 (0.5)
olvi59*	0.5 0.52 0.5 (0.5)
olvi60*	0.5 0.52 0.5 (0.5)
olvi61*	0.5 0.52 0.5 (0.5)
olvi62*	0.5 0.52 0.5 (0.5)
olvi63*	0.5 0.52 0.5 (0.5)
olvi64*	0.5 0.52 0.5 (0.5)
olvi65*	0.5 0.52 0.5 (0.5)
olvi66*	0.5 0.52 0.5 (0.5)
olvi67*	0.5 0.52 0.5 (0.5)
olvi68*	0.5 0.52 0.5 (0.5)
olvi69*	0.5 0.52 0.5 (0.5)
olvi70*	0.5 0.52 0.5 (0.5)
olvi71*	0.5 0.52 0.5 (0.5)
olvi72*	0.5 0.52 0.5 (0.5)
olvi73*	0.5 0.52 0.5 (0.5)
olvi74*	0.5 0.52 0.5 (0.5)
olvi75*	0.5 0.52 0.5 (0.5)
olvi76*	0.5 0.52 0.5 (0.5)
olvi77*	0.5 0.52 0.5 (0.5)
olvi78*	0.5 0.52 0.5 (0.5)
olvi79*	0.5 0.52 0.5 (0.5)
olvi80*	0.5 0.52 0.5 (0.5)
olvi81*	0.5 0.52 0.5 (0.5)
olvi82*	0.5 0.52 0.5 (0.5)
olvi83*	0.5 0.52 0.5 (0.5)
olvi84*	0.5 0.52 0.5 (0.5)
olvi85*	0.5 0.52 0.5 (0.5)
olvi86*	0.5 0.52 0.5 (0.5)
olvi87*	0.5 0.52 0.5 (0.5)
olvi88*	0.5 0.52 0.5 (0.5)
olvi89*	0.5 0.52 0.5 (0.5)
olvi90*	0.5 0.52 0.5 (0.5)
olvi91*	0.5 0.52 0.5 (0.5)
olvi92*	0.5 0.52 0.5 (0.5)
olvi93*	0.5 0.52 0.5 (0.5)
olvi94*	0.5 0.52 0.5 (0.5)
olvi95*	0.5 0.52 0.5 (0.5)
olvi96*	0.5 0.52 0.5 (0.5)
olvi97*	0.5 0.52 0.5 (0.5)
olvi98*	0.5 0.52 0.5 (0.5)
olvi99*	0.5 0.52 0.5 (0.5)
olvi100*	0.5 0.52 0.5 (0.5)

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (0.25