

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$

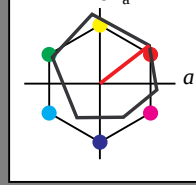
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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)
LAB*LAB	95.41	-0.97	4.75	
LAB*LAB	95.41	0.0	0.0	
LAB*TCa	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*lab	1.0	0.0	0.0
lab*ch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LAB	71.67	32.68	25.25
LAB*TCa	87.5	20.65	37.7

relative CIELAB lab*

lab*lab	0.847	0.198	0.153
lab*ch	0.875	0.25	0.105
lab*nch	0.0	0.25	0.105

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LAB	71.67	32.68	25.25
LAB*TCa	87.5	20.65	37.7

relative CIELAB lab*

lab*lab	0.693	0.396	0.306
lab*ch	0.75	0.5	0.105
lab*nch	0.0	0.5	0.105

standard and adapted CIELAB

LAB*LAB	59.81	48.72	40.24
LAB*LAB	59.81	49.02	37.88
LAB*TCa	62.5	61.95	37.7

relative CIELAB lab*

lab*lab	0.54	0.593	0.459
lab*ch	0.625	0.75	0.105
lab*nch	0.0	0.75	0.105

standard and adapted CIELAB

LAB*LAB	49.37	38.93	30.83
LAB*LAB	40.46	49.02	37.88
LAB*TCa	50.0	41.37	37.7

relative CIELAB lab*

lab*lab	0.443	0.477	0.15
lab*ch	0.625	0.75	0.105
lab*nch	0.0	0.75	0.105

standard and adapted CIELAB

LAB*LAB	40.46	49.02	37.88
LAB*LAB	40.46	49.02	37.88
LAB*TCa	50.0	41.37	37.7

ORS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$

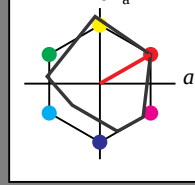
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.41	-0.97	4.75	
LAB*LAB	95.41	0.0	0.0	
LAB*TCa	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*lab	1.0	0.0	0.0
lab*ch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LAB	71.67	32.68	25.25
LAB*TCa	87.5	20.65	37.7

relative CIELAB lab*

lab*lab	0.852	0.217	0.124
lab*ch	0.875	0.25	0.083
lab*nch	0.0	0.25	0.083

standard and adapted CIELAB

LAB*LAB	83.54	15.58	16.58
LAB*LAB	71.67	32.68	25.25
LAB*TCa	87.5	20.65	37.7

relative CIELAB lab*

lab*lab	0.704	0.434	0.249
lab*ch	0.75	0.5	0.083
lab*nch	0.0	0.5	0.083

MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(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)
LAB*LAB	76.06	-0.6	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCa	75.0	0.0	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*lab	0.75	0.0	0.0
lab*ch	0.75	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	64.61	16.74	9.59
LAB*LAB	64.61	16.74	9.59
LAB*TCa	62.5	19.29	29.82

relative CIELAB lab*

lab*lab	0.5	0.5	0.5
lab*ch	0.5	0.5	0.5
lab*nch	0.0	0.5	0.5

standard and adapted CIELAB

LAB*LAB	53.17	33.48	19.19
LAB*LAB	53.17	33.48	19.19
LAB*TCa	50.0	38.59	29.82

relative CIELAB lab*

lab*lab	0.306	0.651	0.373
lab*ch	0.625	0.75	0.083
lab*nch	0.0	0.75	0.083

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(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)
LAB*LAB	56.71	0.23	2.14	
LAB*LAB	56.71	0.0	0.0	
LAB*TCa	50.0	0.0	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*lab	0.5	0.0	0.0
lab*ch	0.5	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97
LAB*LAB	45.26	16.72	10.97
LAB*TCa	42.5	19.29	29.82

relative CIELAB lab*

lab*lab	0.25	0.25	0.25
lab*ch	0.25	0.25	0.25
lab*nch	0.0	0.25	0.25

standard and adapted CIELAB

LAB*LAB	33.82	33.47	19.18
LAB*LAB	33.82	33.47	19.18
LAB*TCa	30.0	38.59	29.82

relative CIELAB lab*

lab*lab	0.409	0.867	0.497
lab*ch	0.5	0.5	0.083
lab*nch	0.0	0.5	0.083

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(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)
LAB*LAB	37.36	0.13	0.83	
LAB*LAB	37.36	0.0	0.0	
LAB*TCa	35.0	0.0	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*lab	0.25	0.0	0.0
lab*ch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	25.92	16.72	9.59
LAB*LAB	25.92	16.72	9.59
LAB*TCa	25.0	19.29	29.82

relative CIELAB lab*

lab*lab	0.102	0.217	0.124
lab*ch	0.125	0.25	0.083
lab*nch	0.0	0.25	0.083

standard and adapted CIELAB

LAB*LAB	18.02	0.5	0.46
LAB*LAB	18.02	0.0	0.0
LAB*TCa	15.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	18.02	0.0	0.0	
LAB*TCa	15.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*TCa	15.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*LAB	18.02	0.0	0.0
LAB*TCa	15.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage UG50; Farbmetrik-Systeme ORS18 & MRS18input: cmy0* setcmykcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 96/360 = 0.268$

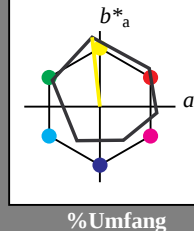
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	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

%Regularität

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

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

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*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01

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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.984 -0.027 0.248
lab*ch 0.875 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.984 -0.024 0.249
lab*trc 0.875 0.25 0.268
lab*ncc 0.0 0.25 0.268

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*Lab 56.71 0.0 0.0
LAB*TCh 50.0 0.01

relative CIELAB lab*
lab*lab 0.734 -0.027 0.248
lab*ch 0.625 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.734 -0.024 0.249
lab*trc 0.625 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 -0.43 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.0 0.01

relative CIELAB lab*
lab*lab 0.484 -0.082 0.745
lab*ch 0.375 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.484 -0.082 0.746
lab*trc 0.375 0.25 0.268
lab*ncc 0.0 0.25 0.268

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
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*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.1 -2.56 22.93
LAB*Lab 36.1 0.0 0.0
LAB*TCh 12.5 23.08 96.39

relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.268
lab*ncc 0.0 0.25 0.268

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

%Regularität

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

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

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 91.62 -8.6 73.32
LAB*Lab 91.62 -8.6 73.32
LAB*TCh 62.5 69.25 96.39

relative CIELAB lab*
lab*lab 0.951 -0.082 0.745
lab*ch 0.625 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.951 -0.073 0.746
lab*trc 0.625 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 73.54 -5.13 45.88
LAB*Lab 73.54 -5.13 45.88
LAB*TCh 50.0 46.17 96.39

relative CIELAB lab*
lab*lab 0.717 -0.055 0.497
lab*ch 0.5 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.717 -0.048 0.498
lab*trc 0.5 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 55.56 -2.77 25.0
LAB*Lab 55.56 -2.77 25.0
LAB*TCh 37.5 23.09 96.39

relative CIELAB lab*
lab*lab 0.484 -0.082 0.745
lab*ch 0.375 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.484 -0.082 0.746
lab*trc 0.375 0.25 0.268
lab*ncc 0.0 0.25 0.268

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 -0.43 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.0 0.01

relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*ch 0.125 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*trj 0.234 -0.024 0.249
lab*trc 0.125 0.25 0.268
lab*ncc 0.0 0.25 0.268

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
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*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$

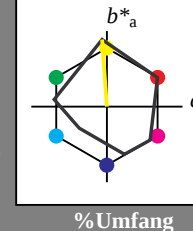
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

%Regularität

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

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

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*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01

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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.985 -0.017 0.249
lab*ch 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*trc 0.875 0.25 0.258
lab*ncc 0.0 0.25 0.258

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*Lab 56.71 0.0 0.0
LAB*TCh 50.0 0.01

relative CIELAB lab*
lab*lab 0.734 -0.027 0.248
lab*ch 0.625 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.734 -0.024 0.249
lab*trc 0.625 0.25 0.258
lab*ncc 0.0 0.25 0.258

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 -0.43 0.83
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.0 0.01

relative CIELAB lab*
lab*lab 0.485 -0.033 0.748
lab*ch 0.375 0.25 0.261
lab*nch 0.0 0.25 0.261
relative Natural Colour (NC)
lab*trj 0.485 -0.033 0.749
lab*trc 0.375 0.25 0.258
lab*ncc 0.0 0.25 0.258

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
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*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01

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

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

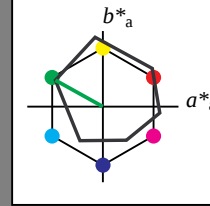
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ich und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

%Regularität

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

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

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*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 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 84.28 -16.45 12.74
LAB*LABa 84.28 -15.68 8.73
LAB*TCa 87.5 17.59 150.91

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 73.15 -31.94 20.73
LAB*LABa 73.15 -31.36 17.47
LAB*TCa 75.0 35.93 150.91

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 62.02 -47.03 28.71
LAB*LABa 62.02 -47.09 26.21
LAB*TCa 62.5 53.9 150.91

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.78 34.94
LAB*LABa 50.9 -62.78 34.94
LAB*TCa 50.0 71.86 150.91

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (0.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 0.0 0.5 0.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.68 -47.06 27.41
LAB*LABa 42.68 -47.09 26.21
LAB*TCa 42.5 53.9 150.91

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (0.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 0.0 0.25 0.0 (0.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 53.9 150.91

relative Inform. Technology (IT)
olvi3* 0.0 0.1 0.0 (0.0)
cmyn3* 0.0 0.1 0.0 (0.0)
olvi4* 0.0 0.1 0.0 (0.0)
cmyn4* 0.0 0.1 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 31.9 -65.4 36.5
LAB*LABa 31.9 -65.4 36.5
LAB*TCa 31.9 -65.4 36.5

relative Inform. Technology (IT)
olvi3* 0.0 0.05 0.0 (0.0)
cmyn3* 0.0 0.05 0.0 (0.0)
olvi4* 0.0 0.05 0.0 (0.0)
cmyn4* 0.0 0.05 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.24 -15.68 8.73
LAB*LABa 26.24 -15.68 8.73
LAB*TCa 26.24 -15.68 8.73

relative Inform. Technology (IT)
olvi3* 0.0 0.01 0.0 (0.0)
cmyn3* 0.0 0.01 0.0 (0.0)
olvi4* 0.0 0.01 0.0 (0.0)
cmyn4* 0.0 0.01 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*TCa 0.01 0.01 -

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

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

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 45.58 -15.72 10.13
LAB*LABa 45.58 -15.69 8.74
LAB*TCa 42.5 53.9 150.91

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 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 34.46 -31.36 17.47
LAB*LABa 34.46 -31.36 17.47
LAB*TCa 35.01 35.93 150.91

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 35.93 150.91

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

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

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

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

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

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

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

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

BAM-Prüfvorlage UG50; Farbmetrik-Systeme ORS18 & MRS18input: $cmv0^* setcmykcolor$

D65: 2 Koordinatendaten; 2stufige Farbreihen für 10 Bunttöne output: no change compared to input

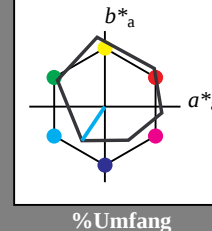
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 236/360 = 0.656$

lab^*ch und lab^*nch

D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	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

%Regularität

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

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

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 -

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.21 -8.38 -7.1
LAB*LABa 86.21 -7.58 -11.24
LAB*TCHa 97.5 13.57 236.01

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.79 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*TCHa 75.0 27.15 236.01

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.81 -23.21 -30.86
LAB*LABa 67.81 -22.75 -33.75
LAB*TCHa 62.5 40.72 236.01

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 0.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (0.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.125 0.125 (0.0)
cmyn3* 0.0 0.125 0.125 (0.0)
olvi4* 0.0 0.125 0.125 (0.0)
cmyn4* 0.0 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0625 0.0625 (0.0)
cmyn3* 0.0 0.0625 0.0625 (0.0)
olvi4* 0.0 0.0625 0.0625 (0.0)
cmyn4* 0.0 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.03125 0.03125 (0.0)
cmyn3* 0.0 0.03125 0.03125 (0.0)
olvi4* 0.0 0.03125 0.03125 (0.0)
cmyn4* 0.0 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

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 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

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 86.21 -8.38 -7.1
LAB*LABa 86.21 -7.58 -11.24
LAB*TCHa 97.5 13.57 236.01

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 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.79 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*TCHa 75.0 27.15 236.01

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 67.81 -23.21 -30.86
LAB*LABa 67.81 -22.75 -33.75
LAB*TCHa 62.5 40.72 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 0.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (0.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.125 0.125 (0.0)
cmyn3* 0.0 0.125 0.125 (0.0)
olvi4* 0.0 0.125 0.125 (0.0)
cmyn4* 0.0 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0625 0.0625 (0.0)
cmyn3* 0.0 0.0625 0.0625 (0.0)
olvi4* 0.0 0.0625 0.0625 (0.0)
cmyn4* 0.0 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.03125 0.03125 (0.0)
cmyn3* 0.0 0.03125 0.03125 (0.0)
olvi4* 0.0 0.03125 0.03125 (0.0)
cmyn4* 0.0 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCHa 50.0 54.29 236.01

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

BAM-Prüfvorlage UG50; Farbmetrik-Systeme ORS18 & MRS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

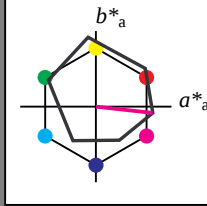
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit 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)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

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*tc 1.0 0.0 0.0
lab*ncc 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*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 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*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCh 50.01 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*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.01 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*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 -

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

standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.0 0.0 0.0

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

ORS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

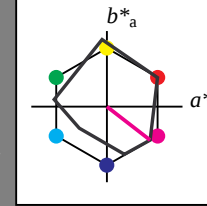
Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$

lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 322
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit 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)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 99.99 0.01 -

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*tc 1.0 0.0 0.0
lab*ncc 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*TCh 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 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*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCh 50.01 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*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*Lab 37.36 0.0 0.0
LAB*TCh 25.01 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*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCh 0.01 0.01 -

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

standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*TCh 0.0 0.0 0.0

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

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	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

%Umfang

$u^*_{rel} = 91$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

BAM-Prüfvorlage UG50; Farbmetrik-Systeme ORS18 & MRS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinatendaten; 25stufige Farbreihen für 10 Bunttöne

output: no change compared to input

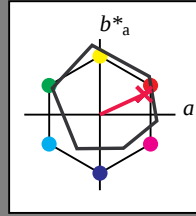
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.831	(1.0)
olvi4*	0.0	0.25	0.169	(0.0)
olvi5*	0.0	0.75	0.831	(0.0)
olvi6*	0.0	0.25	0.169	(0.0)
olvi7*	0.0	0.75	0.831	(0.0)
olvi8*	0.0	0.25	0.169	(0.0)
olvi9*	0.0	0.75	0.831	(0.0)
olvi10*	0.0	0.25	0.169	(0.0)
olvi11*	0.0	0.75	0.831	(0.0)
olvi12*	0.0	0.25	0.169	(0.0)
olvi13*	0.0	0.75	0.831	(0.0)
olvi14*	0.0	0.25	0.169	(0.0)
olvi15*	0.0	0.75	0.831	(0.0)
olvi16*	0.0	0.25	0.169	(0.0)
olvi17*	0.0	0.75	0.831	(0.0)
olvi18*	0.0	0.25	0.169	(0.0)
olvi19*	0.0	0.75	0.831	(0.0)
olvi20*	0.0	0.25	0.169	(0.0)
olvi21*	0.0	0.75	0.831	(0.0)
olvi22*	0.0	0.25	0.169	(0.0)
olvi23*	0.0	0.75	0.831	(0.0)
olvi24*	0.0	0.25	0.169	(0.0)
olvi25*	0.0	0.75	0.831	(0.0)
olvi26*	0.0	0.25	0.169	(0.0)
olvi27*	0.0	0.75	0.831	(0.0)
olvi28*	0.0	0.25	0.169	(0.0)
olvi29*	0.0	0.75	0.831	(0.0)
olvi30*	0.0	0.25	0.169	(0.0)
olvi31*	0.0	0.75	0.831	(0.0)
olvi32*	0.0	0.25	0.169	(0.0)
olvi33*	0.0	0.75	0.831	(0.0)
olvi34*	0.0	0.25	0.169	(0.0)
olvi35*	0.0	0.75	0.831	(0.0)
olvi36*	0.0	0.25	0.169	(0.0)
olvi37*	0.0	0.75	0.831	(0.0)
olvi38*	0.0	0.25	0.169	(0.0)
olvi39*	0.0	0.75	0.831	(0.0)
olvi40*	0.0	0.25	0.169	(0.0)
olvi41*	0.0	0.75	0.831	(0.0)
olvi42*	0.0	0.25	0.169	(0.0)
olvi43*	0.0	0.75	0.831	(0.0)
olvi44*	0.0	0.25	0.169	(0.0)
olvi45*	0.0	0.75	0.831	(0.0)
olvi46*	0.0	0.25	0.169	(0.0)
olvi47*	0.0	0.75	0.831	(0.0)
olvi48*	0.0	0.25	0.169	(0.0)
olvi49*	0.0	0.75	0.831	(0.0)
olvi50*	0.0	0.25	0.169	(0.0)
olvi51*	0.0	0.75	0.831	(0.0)
olvi52*	0.0	0.25	0.169	(0.0)
olvi53*	0.0	0.75	0.831	(0.0)
olvi54*	0.0	0.25	0.169	(0.0)
olvi55*	0.0	0.75	0.831	(0.0)
olvi56*	0.0	0.25	0.169	(0.0)
olvi57*	0.0	0.75	0.831	(0.0)
olvi58*	0.0	0.25	0.169	(0.0)
olvi59*	0.0	0.75	0.831	(0.0)
olvi60*	0.0	0.25	0.169	(0.0)
olvi61*	0.0	0.75	0.831	(0.0)
olvi62*	0.0	0.25	0.169	(0.0)
olvi63*	0.0	0.75	0.831	(0.0)
olvi64*	0.0	0.25	0.169	(0.0)
olvi65*	0.0	0.75	0.831	(0.0)
olvi66*	0.0	0.25	0.169	(0.0)
olvi67*	0.0	0.75	0.831	(0.0)
olvi68*	0.0	0.25	0.169	(0.0)
olvi69*	0.0	0.75	0.831	(0.0)
olvi70*	0.0	0.25	0.169	(0.0)
olvi71*	0.0	0.75	0.831	(0.0)
olvi72*	0.0	0.25	0.169	(0.0)
olvi73*	0.0	0.75	0.831	(0.0)
olvi74*	0.0	0.25	0.169	(0.0)
olvi75*	0.0	0.75	0.831	(0.0)
olvi76*	0.0	0.25	0.169	(0.0)
olvi77*	0.0	0.75	0.831	(0.0)
olvi78*	0.0	0.25	0.169	(0.0)
olvi79*	0.0	0.75	0.831	(0.0)
olvi80*	0.0	0.25	0.169	(0.0)
olvi81*	0.0	0.75	0.831	(0.0)
olvi82*	0.0	0.25	0.169	(0.0)
olvi83*	0.0	0.75	0.831	(0.0)
olvi84*	0.0	0.25	0.169	(0.0)
olvi85*	0.0	0.75	0.831	(0.0)
olvi86*	0.0	0.25	0.169	(0.0)
olvi87*	0.0	0.75	0.831	(0.0)
olvi88*	0.0	0.25	0.169	(0.0)
olvi89*	0.0	0.75	0.831	(0.0)
olvi90*	0.0	0.25	0.169	(0.0)
olvi91*	0.0	0.75	0.831	(0.0)
olvi92*	0.0	0.25	0.169	(0.0)
olvi93*	0.0	0.75	0.831	(0.0)
olvi94*	0.0	0.25	0.169	(0.0)
olvi95*	0.0	0.75	0.831	(0.0)
olvi96*	0.0	0.25	0.169	(0.0)
olvi97*	0.0	0.75	0.831	(0.0)
olvi98*	0.0	0.25	0.169	(0.0)
olvi99*	0.0	0.75	0.831	(0.0)
olvi100*	0.0	0.25	0.169	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.831	(1.0)
olvi4*	0.0	0.25	0.169	(0.0)
olvi5*	0.0	0.75	0.831	(0.0)
olvi6*	0.0	0.25	0.169	(0.0)
olvi7*	0.0	0.75	0.831	(0.0)
olvi8*	0.0	0.25	0.169	(0.0)
olvi9*	0.0	0.75	0.831	(0.0)
olvi10*	0.0	0.25	0.169	(0.0)
olvi11*	0.0	0.75	0.831	(0.0)
olvi12*	0.0	0.25	0.169	(0.0)
olvi13*	0.0	0.75	0.831	(0.0)
olvi14*	0.0	0.25	0.169	(0.0)
olvi15*	0.0	0.75	0.831	(0.0)
olvi16*	0.0	0.25	0.169	(0.0)
olvi17*	0.0	0.75	0.831	(0.0)
olvi18*	0.0	0.25	0.169	(0.0)
olvi19*	0.0	0.75	0.831	(0.0)
olvi20*	0.0	0.25	0.169	(0.0)
olvi21*	0.0	0.75	0.831	(0.0)
olvi22*	0.0	0.25	0.169	(0.0)
olvi23*	0.0	0.75	0.831	(0.0)
olvi24*	0.0	0.25	0.169	(0.0)
olvi25*	0.0	0.75	0.831	(0.0)
olvi26*	0.0	0.25	0.169	(0.0)
olvi27*	0.0	0.75	0.831	(0.0)
olvi28*	0.0	0.25	0.169	(0.0)
olvi29*	0.0	0.75	0.831	(0.0)
olvi30*	0.0	0.25	0.169	(0.0)
olvi31*	0.0	0.75	0.831	(0.0)
olvi32*	0.0	0.25	0.169	(0.0)
olvi33*	0.0	0.75	0.831	(0.0)
olvi34*	0.0	0.25	0.169	(0.0)
olvi35*	0.0	0.75	0.831	(0.0)
olvi36*	0.0	0.25	0.169	(0.0)
olvi37*	0.0	0.75	0.831	(0.0)
olvi38*	0.0	0.25	0.169	(0.0)
olvi39*	0.0	0.75	0.831	(0.0)
olvi40*	0.0	0.25	0.169	(0.0)
olvi41*	0.0	0.75	0.831	(0.0)
olvi42*	0.0	0.25	0.169	(0.0)
olvi43*	0.0	0.75	0.831	(0.0)
olvi44*	0.0	0.25	0.169	(0.0)
olvi45*	0.0	0.75	0.831	(0.0)
olvi46*	0.0	0.25	0.169	(0.0)
olvi47*	0.0	0.75	0.831	(0.0)
olvi48*	0.0	0.25	0.169	(0.0)
olvi49*	0.0	0.75	0.831	(0.0)
olvi50*	0.0	0.25	0.169	(0.0)
olvi51*	0.0	0.75	0.831	(0.0)
olvi52*	0.0	0.25	0.169	(0.0)
olvi53*	0.0	0.75	0.831	(0.0)
olvi54*	0.0	0.25	0.169	(0.0)
olvi55*	0.0	0.75	0.831	(0.0)
olvi56*	0.0	0.25	0.169	(0.0)

Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$

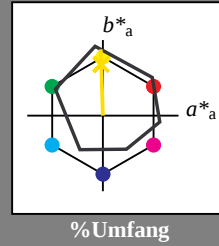
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	49.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

%Regularität

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

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

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)
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olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi5*	0.0	0.975	0.75	(1.0)
olvi6*	0.0	0.025	0.25	(0.0)
olvi7*	0.0	0.975	0.75	(1.0)
olvi8*	0.0	0.025	0.25	(0.0)
olvi9*	0.0	0.975	0.75	(1.0)
olvi10*	0.0	0.025	0.25	(0.0)
olvi11*	0.0	0.975	0.75	(1.0)
olvi12*	0.0	0.025	0.25	(0.0)
olvi13*	0.0	0.975	0.75	(1.0)
olvi14*	0.0	0.025	0.25	(0.0)
olvi15*	0.0	0.975	0.75	(1.0)
olvi16*	0.0	0.025	0.25	(0.0)
olvi17*	0.0	0.975	0.75	(1.0)
olvi18*	0.0	0.025	0.25	(0.0)
olvi19*	0.0	0.975	0.75	(1.0)
olvi20*	0.0	0.025	0.25	(0.0)
olvi21*	0.0	0.975	0.75	(1.0)
olvi22*	0.0	0.025	0.25	(0.0)
olvi23*	0.0	0.975	0.75	(1.0)
olvi24*	0.0	0.025	0.25	(0.0)
olvi25*	0.0	0.975	0.75	(1.0)
olvi26*	0.0	0.025	0.25	(0.0)
olvi27*	0.0	0.975	0.75	(1.0)
olvi28*	0.0	0.025	0.25	(0.0)
olvi29*	0.0	0.975	0.75	(1.0)
olvi30*	0.0	0.025	0.25	(0.0)
olvi31*	0.0	0.975	0.75	(1.0)
olvi32*	0.0	0.025	0.25	(0.0)
olvi33*	0.0	0.975	0.75	(1.0)
olvi34*	0.0	0.025	0.25	(0.0)
olvi35*	0.0	0.975	0.75	(1.0)
olvi36*	0.0	0.025	0.25	(0.0)
olvi37*	0.0	0.975	0.75	(1.0)
olvi38*	0.0	0.025	0.25	(0.0)
olvi39*	0.0	0.975	0.75	(1.0)
olvi40*	0.0	0.025	0.25	(0.0)
olvi41*	0.0	0.975	0.75	(1.0)
olvi42*	0.0	0.025	0.25	(0.0)
olvi43*	0.0	0.975	0.75	(1.0)
olvi44*	0.0	0.025	0.25	(0.0)
olvi45*	0.0	0.975	0.75	(1.0)
olvi46*	0.0	0.025	0.25	(0.0)
olvi47*	0.0	0.975	0.75	(1.0)
olvi48*	0.0	0.025	0.25	(0.0)
olvi49*	0.0	0.975	0.75	(1.0)
olvi50*	0.0	0.025	0.25	(0.0)
olvi51*	0.0	0.975	0.75	(1.0)
olvi52*	0.0	0.025	0.25	(0.0)
olvi53*	0.0	0.975	0.75	(1.0)
olvi54*	0.0	0.025	0.25	(0.0)
olvi55*	0.0	0.975	0.75	(1.0)
olvi56*	0.0	0.025	0.25	(0.0)
olvi57*	0.0	0.975	0.75	(1.0)
olvi58*	0.0	0.025	0.25	(0.0)
olvi59*	0.0	0.975	0.75	(1.0)
olvi60*	0.0	0.025	0.25	(0.0)
olvi61*	0.0	0.975	0.75	(1.0)
olvi62*	0.0	0.025	0.25	(0.0)
olvi63*	0.0	0.975	0.75	(1.0)
olvi64*	0.0	0.025	0.25	(0.0)
olvi65*	0.0	0.975	0.75	(1.0)
olvi66*	0.0	0.025	0.25	(0.0)
olvi67*	0.0	0.975	0.75	(1.0)
olvi68*	0.0	0.025	0.25	(0.0)
olvi69*	0.0	0.975	0.75	(1.0)
olvi70*	0.0	0.025	0.25	(0.0)
olvi71*	0.0	0.975	0.75	(1.0)
olvi72*	0.0	0.025	0.25	(0.0)
olvi73*	0.0	0.975	0.75	(1.0)
olvi74*	0.0	0.025	0.25	(0.0)
olvi75*	0.0	0.975	0.75	(1.0)
olvi76*	0.0	0.025	0.25	(0.0)
olvi77*	0.0	0.975	0.75	(1.0)
olvi78*	0.0	0.025	0.25	(0.0)
olvi79*	0.0	0.975	0.75	(1.0)
olvi80*	0.0	0.025	0.25	(0.0)
olvi81*	0.0	0.975	0.75	(1.0)
olvi82*	0.0	0.025	0.25	(0.0)
olvi83*	0.0	0.975	0.75	(1.0)
olvi84*	0.0	0.025	0.25	(0.0)
olvi85*	0.0	0.975	0.75	(1.0)
olvi86*	0.0	0.025	0.25	(0.0)
olvi87*	0.0	0.975	0.75	(1.0)
olvi88*	0.0	0.025	0.25	(0.0)
olvi89*	0.0	0.975	0.75	(1.0)
olvi90*	0.0	0.025	0.25	(0.0)
olvi91*	0.0	0.975	0.75	(1.0)
olvi92*	0.0	0.025	0.25	(0.0)
olvi93*	0.0	0.975	0.75	(1.0)
olvi94*	0.0	0.025	0.25	(0.0)
olvi95*	0.0	0.975	0.75	(1.0)
olvi96*	0.0	0.025	0.25	(0.0)
olvi97*	0.0	0.975	0.75	(1.0)
olvi98*	0.0	0.025	0.25	(0.0)
olvi99*	0.0	0.975	0.75	(1.0)
olvi100*	0.0	0.025	0.25	(0.0)

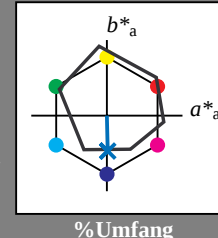
relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi5*	0.0	0.975	0.75	(1.0)
olvi6*	0.0	0.025	0.25	(0.0)
olvi7*	0.0	0.975	0.75	(1.0)
olvi8*	0.0	0.025	0.25	(0.0)
olvi9*	0.0	0.975	0.75	(1.0)
olvi10*	0.0	0.025	0.25	(0.0)
olvi11*	0.0	0.975	0.75	(1.0)
olvi12*	0.0	0.025	0.25	(0.0)
olvi13*	0.0	0.975	0.75	(1.0)
olvi14*	0.0	0.025	0.25	(0.0)
olvi15*	0.0	0.975	0.75	(1.0)
olvi16*	0.0	0.025	0.25	(0.0)
olvi17*	0.0	0.975	0.75	(1.0)
olvi18*	0.0	0.025	0.25	(0.0)
olvi19*	0.0	0.975	0.75	(1.0)
olvi20*	0.0	0.025	0.25	(0.0)
olvi21*	0.0	0.975	0.75	(1.0)
olvi22*	0.0	0.025	0.25	(0.0)
olvi23*	0.0	0.975	0.75	(1.0)
olvi24*	0.0	0.025	0.25	(0.0)
olvi25*	0.0	0.975	0.75	(1.0)
olvi26*	0.0	0.025	0.25	(0.0)
olvi27*	0.0	0.975	0.75	(1.0)
olvi28*	0.0	0.025	0.25	(0.0)
olvi29*	0.0	0.975	0.75	(1.0)
olvi30*	0.0	0.025	0.25	(0.0)
olvi31*	0.0	0.975	0.75	(1.0)
olvi32*	0.0	0.025	0.25	(0.0)
olvi33*	0.0	0.975	0.75	(1.0)
olvi34*	0.0	0.025	0.25	(0.0)
olvi				

Eingabe: Farbmetrisches Reflexions-System ORS18 für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*ch und lab^*nch

D65: Buntton B
LCH*Ma: 42 45 271
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	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

%Regularität

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

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

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

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

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

relative Inform. Technology (IT)		
olvi3*	0.0	0.0
olvi4*	0.0	0.0
olvi5*	0.0	0.0
olvi6*	0.0	0.0
olvi7*	0.0	0.0
olvi8*	0.0	0.0
olvi9*	0.0	0.0
olvi10*	0.0	0.0
olvi11*	0.0	0.0
olvi12*	0.0	0.0
olvi13*	0.0	0.0
olvi14*	0.0	0.0
olvi15*	0.0	0.0
olvi16*	0.0	0.0
olvi17*	0.0	0.0
olvi18*	0.0	0.0
olvi19*	0.0	0.0
olvi20*	0.0	0.0
olvi21*	0.0	0.0
olvi22*	0.0	0.0
olvi23*	0.0	0.0
olvi24*	0.0	0.0
olvi25*	0.0	0.0
olvi26*	0.0	0.0
olvi27*	0.0	0.0
olvi28*	0.0	0.0
olvi29*	0.0	0.0
olvi30*	0.0	0.0
olvi31*	0.0	0.0
olvi32*	0.0	0.0
olvi33*	0.0	0.0
olvi34*	0.0	0.0
olvi35*	0.0	0.0
olvi36*	0.0	0.0
olvi37*	0.0	0.0
olvi38*	0.0	0.0
olvi39*	0.0	0.0
olvi40*	0.0	0.0
olvi41*	0.0	0.0
olvi42*	0.0	0.0
olvi43*	0.0	0.0
olvi44*	0.0	0.0
olvi45*	0.0	0.0
olvi46*	0.0	0.0
olvi47*	0.0	0.0
olvi48*	0.0	0.0
olvi49*	0.0	0.0
olvi50*	0.0	0.0
olvi51*	0.0	0.0
olvi52*	0.0	0.0
olvi53*	0.0	0.0
olvi54*	0.0	0.0
olvi55*	0.0	0.0
olvi56*	0.0	0.0
olvi57*	0.0	0.0
olvi58*	0.0	0.0
olvi59*	0.0	0.0