

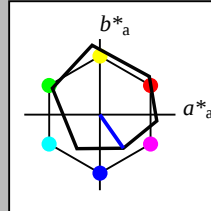
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

lab^*ich und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 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
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*nce 1.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

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

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.26 0.13 0.63
LAB*LAB 37.26 0.0 0.0
LAB*TCRa 25.0 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 1.0
cmyn4* 0.25 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 77.98 7.13 -7.51
LAB*LAB 77.98 7.77 -11.09
LAB*TCRa 87.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.75 0.143 -0.204
lab*ich 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.775 0.112 -0.222
lab*nce 0.875 0.25 0.824
lab*nce 0.0 0.25 0.29

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.75 (1.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LAB 60.56 15.55 -22.2
LAB*TCRa 75.0 27.11 305.0

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*ich 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.225 -0.446
lab*nce 0.75 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.5 0.5 1.0 0.75
cmyn4* 0.5 0.5 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.51 -21.1
LAB*LAB 41.21 15.55 -22.21
LAB*TCRa 50.0 27.12 305.0

relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*ich 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.3 0.225 -0.446
lab*nce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 0.5
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LAB 21.87 15.55 -22.2
LAB*TCRa 25.01 27.11 305.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*ich 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*nce 0.25 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 19.94 8.24 -11.43
LAB*LAB 19.94 7.77 -11.09
LAB*TCRa 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*ich 0.125 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.112 -0.222
lab*nce 0.125 0.25 0.824
lab*nce 0.0 0.25 0.29

$n^* = 0.50$

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* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 1.0 (1.0)
olvi4* 0.5 0.5 1.0 1.0
cmyn4* 0.5 0.5 1.0 0.5
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LAB 60.56 15.55 -22.2
LAB*TCRa 75.0 27.11 305.0

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*ich 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.225 -0.446
lab*nce 0.75 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.5 0.5 1.0 0.75
cmyn4* 0.5 0.5 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.51 -21.1
LAB*LAB 41.21 15.55 -22.21
LAB*TCRa 50.0 27.12 305.0

relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*ich 0.5 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.3 0.225 -0.446
lab*nce 0.5 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi4* 0.5 0.5 1.0 0.5
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 21.87 15.55 -22.2
LAB*LAB 21.87 15.55 -22.2
LAB*TCRa 25.01 27.11 305.0

relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*ich 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.05 0.225 -0.446
lab*nce 0.25 0.5 0.824
lab*nce 0.0 0.5 0.29

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 1.0 1.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 19.94 8.24 -11.43
LAB*LAB 19.94 7.77 -11.09
LAB*TCRa 12.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*ich 0.125 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*trj 0.025 0.112 -0.222
lab*nce 0.125 0.25 0.824
lab*nce 0.0 0.25 0.29

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olvi4* 0.25 0.25 1.0 1.0
cmyn4* 0.75 0.75 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 43.14 23.35 -33.08
LAB*LAB 43.14 23.33 -33.31
LAB*TCRa 62.5 40.67 305.0

relative CIELAB lab*
lab*lab 0.32 0.43 -0.613
lab*ich 0.625 0.75 0.847
lab*nch 0.0 0.75 0.847
relative Natural Colour (NC)
lab*trj 0.325 0.337 -0.669
lab*nce 0.625 0.75 0.824
lab*nce 0.0 0.75 0.29

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 0.0
cmyn4* 1.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 25.72 31.46 -44.36
LAB*LAB 25.72 31.1 -44.41
LAB*TCRa 50.0 54.23 305.0

relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*ich 0.5 1.0 0.847
lab*nch 0.0 1.0 0.847
relative Natural Colour (NC)
lab*trj 0.1 0.449 -0.892
lab*nce 0.0 1.0 0.824
lab*nce 0.0 1.0 0.29

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

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

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

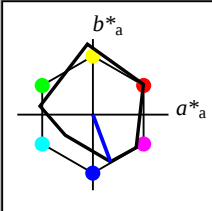
Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$

lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LAB 95.41 0.0 0.0
LAB*TCRa 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*nce 1.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.01
LAB*LAB 56.71 0.0 0.0
LAB*TCRa 50.0 0.01

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.26 0.13 0.63
LAB*LAB 37.26 0.0 0.0
LAB*TCRa 25.0 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 1.0
cmyn4* 0.25 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 80.72 5.84 -15.55
LAB*LAB 80.72 5.81 -15.55
LAB*TCRa 87.5 0.61 290.48

relative CIELAB lab*
lab*lab 0.81 0.087 -0.233
lab*ich 0.875 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.81 0.064 -0.241
lab*nce 0.875 0.25 0.791
lab*nce 0.0 0.25 0.16

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.75 (1.0)
olvi4* 0.75 0.75 1.0 0.75
cmyn4* 0.5 0.5 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 61.37 5.86 -15.55
LAB*LAB 61.37 5.81 -15.56
LAB*TCRa 62.5 16.62 290.48

relative CIELAB lab*
lab*lab 0.56 0.087 -0.233
lab*ich 0.625 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.56 0.064 -0.241
lab*nce 0.625 0.25 0.791
lab*nce 0.0 0.25 0.16

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.75 0.75 1.0 0.5
cmyn4* 0.25 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 46.68 11.63 -31.11
LAB*LAB 46.68 11.63 -31.13
LAB*TCRa 50.0 33.24 290.48

relative CIELAB lab*
lab*lab 0.37 0.129 -0.482
lab*ich 0.37 0.129 -0.482
lab*nch 0.0 0.129 -0.482
relative Natural Colour (NC)
lab*trj 0.37 0.129 -0.482
lab*nce 0.37 0.129 -0.482

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 0.0 1.0
cmyn4* 1.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 27.34 0.07 0.01
LAB*LAB 27.34 0.07 0.01
LAB*TCRa 25.01 33.24 290.48

relative CIELAB lab*
lab*lab 0.12 0.175 -0.467
lab*ich 0.12 0.175 -0.467
lab*nch 0.0 0.175 -0.467
relative Natural Colour (NC)
lab*trj 0.12 0.175 -0.467
lab*nce 0.12 0.175 -0.467

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

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

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 1.0
cmyn4* 0.25 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 80.72 5.84 -15.55
LAB*LAB 80.72 5.81 -15.55
LAB*TCRa 87.5 0.61 290.48

relative CIELAB lab*
lab*lab 0.81 0.087 -0.233
lab*ich 0.875 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.81 0.064 -0.241
lab*nce 0.875 0.25 0.791
lab*nce 0.0 0.25 0.16

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0

für 10 Bunttöne: `o/v* setrgbcolor / w* setgray`

