

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 40/360 = 0.111$

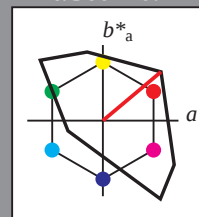
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

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)

standard and adapted CIELAB

LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0
LAB*Lab	95.41	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi4*	0.25	0.25	0.25	(0.0)
olvi5*	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)

standard and adapted CIELAB

LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0
LAB*Lab	71.57	0.0	0.0

relative CIELAB lab*

lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084

relative Natural Colour (NC)

lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084
lab*lab	0.882	0.235	0.084

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi4*	0.25	0.25	0.25	(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)

standard and adapted CIELAB

LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5

relative Natural Colour (NC)

lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5
lab*lab	0.5	0.5	0.5

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi4*	0.75	0.75	0.75	(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)

standard and adapted CIELAB

LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0
LAB*Lab	23.87	0.0	0.0

relative CIELAB lab*

lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084

relative Natural Colour (NC)

lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084
lab*lab	0.382	0.236	0.084

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0

relative CIELAB lab*

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Natural Colour (NC)

lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161
lab*lab	0.132	0.191	0.161

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0
LAB*Lab	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

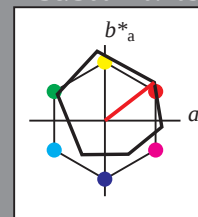
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

olv*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

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABa	95.41	0.0	0.0

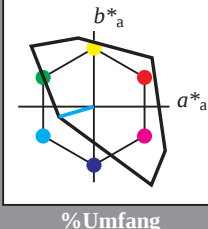
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 196/360 = 0.545$

lab^*ich und lab^*nch

D65: Buntton C
LCH*Ma: 87 48 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 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)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 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)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 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)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 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)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 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 0.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 93.27 -11.53 -3.38
LAB*LABa 93.27 -11.53 -3.38
LAB*LABb 97.5 12.03 196.37

relative CIELAB lab*
lab*lab 0.978 -0.239 -0.069
lab*ich 0.875 0.25 0.545
lab*nch 0.0 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.978 -0.239 -0.069
lab*nce 0.875 0.25 0.545

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.43 -11.53 -3.38
LAB*LABa 69.43 -11.53 -3.38
LAB*LABb 62.5 12.03 196.37

relative CIELAB lab*
lab*lab 0.728 -0.239 -0.069
lab*ich 0.625 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.728 -0.239 -0.069
lab*nce 0.625 0.25 0.545

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.56 -11.53 -3.38
LAB*LABa 45.56 -11.53 -3.38
LAB*LABb 37.5 12.03 196.37

relative CIELAB lab*
lab*lab 0.478 -0.239 -0.069
lab*ich 0.375 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.478 -0.239 -0.069
lab*nce 0.375 0.25 0.545

relative Inform. Technology (IT)
olv3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.73 -11.53 -3.38
LAB*LABa 21.73 -11.53 -3.38
LAB*LABb 12.5 12.03 196.37

relative CIELAB lab*
lab*lab 0.228 -0.239 -0.069
lab*ich 0.125 0.25 0.545
lab*nch 0.25 0.25 0.545
relative Natural Colour (NC)
lab*trj 0.228 -0.239 -0.069
lab*nce 0.125 0.25 0.545

$n^* = 0.50$

$n^* = 0.25$

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.14 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*LABb 75.0 24.06 196.37

relative CIELAB lab*
lab*lab 0.955 -0.479 -0.14
lab*ich 0.75 0.5 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.955 -0.479 -0.14
lab*nce 0.75 0.5 0.545

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.29 -23.08 -6.77
LAB*LABa 67.29 -23.08 -6.77
LAB*LABb 50.0 24.06 196.37

relative CIELAB lab*
lab*lab 0.719 -0.21
lab*ich 0.75 0.5 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.719 -0.21
lab*nce 0.75 0.5 0.545

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.45 -23.07 -6.77
LAB*LABa 43.45 -23.07 -6.77
LAB*LABb 25.01 24.06 196.37

relative CIELAB lab*
lab*lab 0.455 -0.479 -0.14
lab*ich 0.25 0.5 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*trj 0.455 -0.479 -0.14
lab*nce 0.25 0.5 0.545

$n^* = 0.25$

$n^* = 0.10$

relative Inform. Technology (IT)
olv3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.75 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.0 -34.61 -10.16
LAB*LABa 89.0 -34.61 -10.16
LAB*LABb 62.5 36.09 196.37

relative CIELAB lab*
lab*lab 0.933 -0.719 -0.21
lab*ich 0.625 0.75 0.545
lab*nch 0.0 0.75 0.545
relative Natural Colour (NC)
lab*trj 0.933 -0.719 -0.21
lab*nce 0.625 0.75 0.545

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.87 -46.15 -13.55
LAB*LABa 86.87 -46.15 -13.55
LAB*LABb 50.0 48.11 196.37

relative CIELAB lab*
lab*lab 0.911 -0.958 -0.281
lab*ich 0.5 1.0 0.545
lab*nch 0.0 1.0 0.545
relative Natural Colour (NC)
lab*trj 0.911 -0.958 -0.281
lab*nce 0.5 1.0 0.545

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.16 -34.61 -10.16
LAB*LABa 65.16 -34.61 -10.16
LAB*LABb 37.51 36.09 196.37

relative CIELAB lab*
lab*lab 0.683 -0.719 -0.21
lab*ich 0.375 0.75 0.545
lab*nch 0.25 0.75 0.545
relative Natural Colour (NC)
lab*trj 0.683 -0.719 -0.21
lab*nce 0.375 0.75 0.545

$n^* = 0.10$

$n^* = 0.05$

relative Inform. Technology (IT)
olv3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (1.0)
cmyn4* 1.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -2.24 2.14
LAB*LABa 56.71 -2.24 2.14
LAB*LABb 25.0 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)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.51 -7.64 -9.72
LAB*LABa 47.51 -7.64 -9.72
LAB*LABb 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.46 -13.57 -23.62
LAB*LABa 27.46 -13.57 -23.62
LAB*LABb 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

$n^* = 0.05$

$n^* = 0.02$

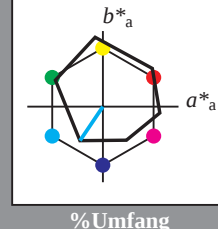
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich und lab^*nch

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 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)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ich 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.139 -0.206
lab*nce 0.875 0.25 0.656

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.86 -8.02 -8.42
LAB*LABa 66.86 -7.58 -11.25
LAB*LABb 62.5 13.57 236.02

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ich 0.625 0.25 0.656
lab*nch 0.25 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.631 -0.139 -0.206
lab*nce 0.625 0.25 0.656

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.51 -7.64 -9.72
LAB*LABa 47.51 -7.64 -9.72
LAB*LABb 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 27.46 -13.57 -23.62
LAB*LABa 27.46 -13.57 -23.62
LAB*LABb 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

$n^* = 0.01$

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -2.24 2.14
LAB*LABa 56.71 -2.24 2.14
LAB*LABb 25.0 0.01

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.46 -13.57 -23.62
LAB*LABa 27.46 -13.57 -23.62
LAB*LABb 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)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 0.47
LAB*LABa 18.02 0.5 0.47
LAB*LABb 25.0 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 0.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.00$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

lab*tch und lab*nch

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)				
lvli3*	1.0	0.25	0.409	(1.0)
myn3*	0.0	0.75	0.591	(0.0)
lvli4*	1.0	0.25	0.409	1.0
myn4*	0.0	0.75	0.591	0.0
standard and adapted CIELAB				
LAB*LAB	62.81	60.46	28.81	
LAB*LAB _a	62.81	60.46	28.81	

relative Inform. Technology (IT)				
olvi3*	0.75	0.0	0.159	(1.0)
myrn3*	0.25	1.0	0.841	(0.0)
olvi4*	1.0	0.25	0.409	0.75
myrn4*	0.0	0.75	0.591	0.25
standard and adopted CIELAB				
LAB*LAB	38.97	60.46	28.82	
3D*LAB	38.97	60.46	28.82	

$n^* = 0,25$

5; Farbmessung
von 5stufig

%Regularität $\text{gg}^*_{\text{C,rel}} = 37$ $p^* = 0.00$

1.00

Buntheit

systems

Y

*lab*tch* und *lab*nch*

Dreiecks-Helligkeit t



relative Inform. Technology (IT)				
olvi3*	1.0	0.25	0.492	(1.0)
cmyn3*	0.0	0.75	0.508	(0.0)
olvi4*	1.0	0.25	0.492	1.0
cmyn4*	0.0	0.75	0.508	0.0
standard and adapted CIELAB				
LAB*LAB	59.85	51.12	26.01	
AB*LAB	59.85	51.42	23.65	

relative Inform. Technology (IT)				
olvi3*	0.75	0.0	0.242	(1.0)
myrn3*	0.25	1.0	0.758	(0.0)
olvi4*	1.0	0.25	0.492	0.75
myrn4*	0.0	0.75	0.508	0.25
standard and adapted CIELAB				
LAB*LAB	40.51	51.49	24.71	

$n^* = 0,25$

color

V

%Regularität
$$g^*_{\text{C,rel}} = 59$$
 $p^* = 0.0$

1.00

e Bunthei

[illegible]

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 92/360 = 0.256$

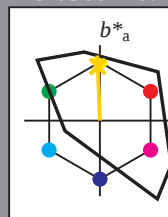
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 0.0

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*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 0.0

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*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 1.0 0.956 0.75 (1.0)
cmyn3* 0.0 0.044 0.25 (0.0)
olv4* 1.0 0.956 0.75 (1.0)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.86 -0.87 21.53
LAB*LABa 92.86 -0.87 21.53
LAB*LABb 97.5 21.54 92.33

relative CIELAB lab*
lab*lab 0.973 -0.009 0.25
lab*ich 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.973 0.0 0.25
lab*nch 0.875 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.75 0.706 0.5 (1.0)
cmyn3* 0.25 0.254 0.5 (0.0)
olv4* 1.0 0.956 0.75 (0.75)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 69.01 -0.86 21.53
LAB*LABa 69.01 -0.86 21.53
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.723 -0.009 0.25
lab*ich 0.625 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.723 0.0 0.25
lab*nch 0.625 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.5 0.456 0.25 (1.0)
cmyn3* 0.5 0.444 0.25 (0.0)
olv4* 1.0 0.956 0.75 (0.5)
cmyn4* 0.0 0.044 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 45.16 -0.86 21.53
LAB*LABa 45.16 -0.86 21.53
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.473 -0.009 0.25
lab*ich 0.375 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.473 0.0 0.25
lab*nch 0.375 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.25 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.91 0.25 (0.0)
cmyn4* 0.0 0.083 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 21.31 -0.86 21.52
LAB*LABa 21.31 -0.86 21.52
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.223 -0.009 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.223 0.0 0.25
lab*nch 0.125 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.50$

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 1.0 0.912 0.5 (1.0)
cmyn3* 0.0 0.088 0.5 (0.0)
olv4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.31 -1.74 43.06
LAB*LABa 90.31 -1.74 43.06
LAB*LABb 90.31 -1.74 43.06

relative CIELAB lab*
lab*lab 0.947 -0.019 0.499
lab*ich 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*ich 0.947 0.0 0.5
lab*nch 0.75 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.75 0.618 0.0 (1.0)
cmyn3* 0.25 0.382 0.75 (0.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.47 -1.73 43.06
LAB*LABa 66.47 -1.73 43.06
LAB*LABb 66.47 -1.73 43.06

relative CIELAB lab*
lab*lab 0.697 -0.019 0.5
lab*ich 0.5 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*ich 0.697 0.0 0.5
lab*nch 0.5 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.91 0.25 (0.0)
cmyn4* 0.0 0.083 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.05
LAB*LABa 42.62 -1.73 43.05
LAB*LABb 42.62 -1.73 43.05

relative CIELAB lab*
lab*lab 0.447 -0.019 0.499
lab*ich 0.25 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*ich 0.447 0.0 0.5
lab*nch 0.25 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.25 0.382 0.75 (0.0)
cmyn3* 0.75 0.618 0.0 (1.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 1.41 -46.46
LAB*LABa 30.57 1.41 -46.46
LAB*LABb 30.57 1.41 -46.46

relative CIELAB lab*
lab*lab 0.223 -0.009 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.223 0.0 0.25
lab*nch 0.125 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.868 0.25 (1.0)
cmyn3* 0.0 0.132 0.75 (0.0)
olv4* 1.0 0.868 0.25 (1.0)
cmyn4* 0.0 0.132 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 87.76 -2.61 64.59
LAB*LABa 87.76 -2.61 64.59
LAB*LABb 87.76 -2.61 64.59

relative CIELAB lab*
lab*lab 0.92 -0.029 0.749
lab*ich 0.625 0.75 0.256
lab*nch 0.0 0.75 0.256
relative Natural Colour (NC)
lab*ich 0.92 0.0 0.75
lab*nch 0.625 0.75 0.256
lab*nce 0.0 0.75 0.256

relative Inform. Technology (IT)
olv3* 0.75 0.618 0.0 (1.0)
cmyn3* 0.25 0.382 0.75 (0.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.47 -1.73 43.06
LAB*LABa 66.47 -1.73 43.06
LAB*LABb 66.47 -1.73 43.06

relative CIELAB lab*
lab*lab 0.697 -0.019 0.5
lab*ich 0.5 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*ich 0.697 0.0 0.5
lab*nch 0.5 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.91 0.25 (0.0)
cmyn4* 0.0 0.083 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.05
LAB*LABa 42.62 -1.73 43.05
LAB*LABb 42.62 -1.73 43.05

relative CIELAB lab*
lab*lab 0.447 -0.019 0.499
lab*ich 0.25 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*ich 0.447 0.0 0.5
lab*nch 0.25 0.5 0.256
lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
olv3* 0.25 0.382 0.75 (0.0)
cmyn3* 0.75 0.618 0.0 (1.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 1.41 -46.46
LAB*LABa 30.57 1.41 -46.46
LAB*LABb 30.57 1.41 -46.46

relative CIELAB lab*
lab*lab 0.223 -0.009 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*ich 0.223 0.0 0.25
lab*nch 0.125 0.25 0.256
lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 -0.98 4.75
LAB*LABb 99.99 0.01 0.0

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*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 -0.61 3.44
LAB*LABb 76.06 -0.61 3.44

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*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

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*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 0.0

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*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.00 0.01 0.0

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*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.

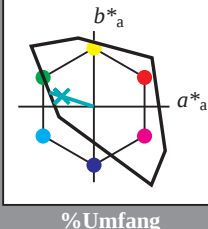
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 162/360 = 0.451$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 86 62 162
olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*lce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*lce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*lce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*lce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.75 (1.0)
cmyn3* 0.5 0.0 0.25 (0.0)
olv4* 0.5 1.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.57 -29.42 9.43
LAB*LABa 90.57 -29.42 9.43
LAB*LABb 75.00 30.9 162.23

relative CIELAB lab*
lab*lab 0.949 -0.475 0.153
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.949 -0.499 0.0
lab*lce 0.75 0.5 0.3
lab*nce 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 50.00 30.91 162.22

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*ch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.689 -0.499 0.0
lab*lce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.3

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.75 (1.0)
cmyn3* 1.0 0.0 0.347 (0.0)
olv4* 0.0 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 85.74 -58.84 18.87
LAB*LABa 85.74 -58.84 18.87
LAB*LABb 50.00 61.8 162.23

relative CIELAB lab*
lab*lab 0.924 -0.713 0.229
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.924 -0.749 0.0
lab*lce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.5

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 50.00 30.91 162.22

relative CIELAB lab*
lab*lab 0.674 -0.713 0.229
lab*ch 0.375 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.674 -0.749 0.0
lab*lce 0.375 0.75 0.5
lab*nce 0.0 0.75 0.5

$n^* = 0.00$

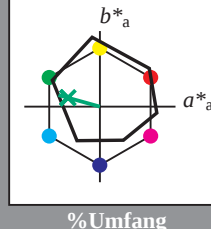
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*lce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*ch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.862 -0.249 0.0
lab*lce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.5

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -2.24 2.14
LAB*LABa 56.71 -2.24 2.14
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*lce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.88 -29.42 9.43
LAB*LABa 42.88 -29.42 9.43
LAB*LABb 50.00 30.9 162.23

relative CIELAB lab*
lab*lab 0.362 -0.24 0.067
lab*ch 0.375 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.362 -0.249 0.0
lab*lce 0.375 0.25 0.5
lab*nce 0.0 0.25 0.5

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.75 (1.0)
cmyn3* 1.0 0.0 0.347 (0.0)
olv4* 0.0 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 85.74 -58.84 18.87
LAB*LABa 85.74 -58.84 18.87
LAB*LABb 50.00 61.8 162.23

relative CIELAB lab*
lab*lab 0.924 -0.713 0.229
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.924 -0.749 0.0
lab*lce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.5

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olv4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.0 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.4 7.62
LAB*LABa 74.1 -27.4 7.62
LAB*LABb 75.00 28.45 164.46

relative CIELAB lab*
lab*lab 0.725 -0.481 0.134
lab*ch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*lrj 0.725 -0.499 0.0
lab*lce 0.75 0.5 0.5
lab*nce 0.0 0.5 0.5

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.627 (0.0)
olv4* 0.5 1.0 0.623 (0.75)
cmyn4* 0.5 0.0 0.377 (0.25)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LABa 54.76 -27.61 9.64
LAB*LABb 50.00 28.46 164.45

relative CIELAB lab*
lab*lab 0.587 -0.721 0.201
lab*ch 0.625 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*lrj 0.587 -0.749 0.0
lab*lce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.5

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.75 (1.0)
cmyn3* 1.0 0.0 0.347 (0.0)
olv4* 0.0 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 85.74 -58.84 18.87
LAB*LABa 85.74 -58.84 18.87
LAB*LABb 50.00 61.8 162.23

relative CIELAB lab*
lab*lab 0.924 -0.713 0.229
lab*ch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.924 -0.749 0.0
lab*lce 0.625 0.75 0.5
lab*nce 0.0 0.75 0.5

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.75 (1.0)
cmyn3* 0.75 0.25 0.424 (0.0)
olv4* 0.5 1.0 0.826 (0.5)
cmyn4* 0.5 0.0 0.174 (0.25)
standard and adapted CIELAB
LAB*LAB 66.73 -29.42 9.44
LAB*LABa 66.73 -29.42 9.44
LAB*LABb 50.00 30.91 162.22

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*ch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.689 -0.499 0.0
lab*lce 0.5 0.5 0.3
lab*nce 0.0 0.5 0.3

$n^* = 0.00$

OG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage OG55; Farbmetrik-Systeme TLS00 & ORS18 input: $cmY0^* \text{ setcmYcolor}$

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöne output: $n^* / 000n^* \text{ setcmYcolor}$

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 272/360 = 0.755$

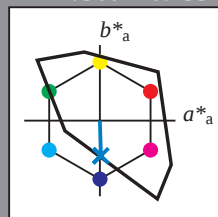
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

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 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*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 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (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 47.72 0.0 0.0
LAB*LABa 47.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*trc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (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 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.01 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
olvi3* 0.75 0.903 1.0 (1.0)
cmyn3* 0.25 0.097 0.0 (0.0)
olvi4* 0.75 0.903 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.77 0.36 -12.14
LAB*LABa 87.77 0.36 -12.14
LAB*LABb 87.5 12.16 271.7

relative CIELAB lab*
lab*lab 0.92 0.007 -0.249
lab*ch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.92 0.0 -0.249
lab*trc 0.875 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.5 0.653 0.75 (1.0)
cmyn3* 0.5 0.347 0.25 (0.0)
olvi4* 0.75 0.903 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.92 0.37 -12.15
LAB*LABa 63.92 0.37 -12.15
LAB*LABb 62.5 12.17 271.74

relative CIELAB lab*
lab*lab 0.67 0.0 -0.249
lab*ch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.67 0.0 -0.249
lab*trc 0.625 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.403 0.5 (1.0)
cmyn3* 0.75 0.597 0.5 (0.0)
olvi4* 0.75 0.903 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.07 0.37 -12.15
LAB*LABa 40.07 0.37 -12.15
LAB*LABb 37.5 12.17 271.74

relative CIELAB lab*
lab*lab 0.42 0.008 -0.249
lab*ch 0.375 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.42 0.0 -0.249
lab*trc 0.375 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.305 0.5 (1.0)
cmyn3* 1.0 0.695 0.5 (0.0)
olvi4* 0.75 0.903 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.44 0.74 -24.32
LAB*LABa 32.44 0.74 -24.32
LAB*LABb 25.01 24.34 271.75

relative CIELAB lab*
lab*lab 0.34 0.015 -0.499
lab*ch 0.25 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.34 0.0 -0.499
lab*trc 0.25 0.5 0.755
lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.153 0.25 (1.0)
cmyn3* 1.0 0.847 0.75 (0.0)
olvi4* 0.75 0.903 1.0 (1.0)
cmyn4* 0.25 0.097 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 16.22 0.37 -12.15
LAB*LABa 16.22 0.37 -12.15
LAB*LABb 12.5 12.17 271.76

relative CIELAB lab*
lab*lab 0.17 0.008 -0.249
lab*ch 0.125 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.17 0.0 -0.249
lab*trc 0.125 0.25 0.755
lab*ncc 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.708 1.0 (1.0)
cmyn3* 0.75 0.292 0.0 (0.0)
olvi4* 0.25 0.708 1.0 (1.0)
cmyn4* 0.75 0.292 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 72.49 1.1 -36.47
LAB*LABa 72.49 1.1 -36.47
LAB*LABb 62.5 36.5 271.73

relative CIELAB lab*
lab*lab 0.76 0.023 -0.749
lab*ch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.76 0.0 -0.749
lab*trc 0.625 0.75 0.755
lab*ncc 0.0 0.75 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.458 0.75 (1.0)
cmyn3* 1.0 0.39 0.0 (0.0)
olvi4* 0.0 0.61 1.0 (1.0)
cmyn4* 0.75 0.292 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.86 1.47 -48.64
LAB*LABa 64.86 1.47 -48.64
LAB*LABb 50.0 48.67 271.74

relative CIELAB lab*
lab*lab 0.68 0.03 -0.998
lab*ch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755
relative Natural Colour (NC)
lab*trj 0.68 0.0 -0.999
lab*trc 0.5 1.0 0.755
lab*ncc 0.0 1.0 0.755

relative Inform. Technology (IT)
olvi3* 0.5 0.542 0.25 (0.0)
cmyn3* 0.5 0.458 0.75 (1.0)
olvi4* 0.25 0.708 1.0 (1.0)
cmyn4* 0.75 0.292 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.65 1.11 -36.48
LAB*LABa 48.65 1.11 -36.48
LAB*LABb 37.51 36.51 271.75

relative CIELAB lab*
lab*lab 0.51 0.023 -0.749
lab*ch 0.375 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*trj 0.51 0.0 -0.749
lab*trc 0.375 0.75 0.755
lab*ncc 0.0 0.75 0.755

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 25.00 0.01 0.0
LAB*LABa 25.00 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

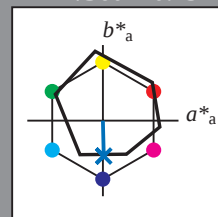
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

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)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*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 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*trc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.622 0.75 (1.0)
cmyn3* 0.5 0.378 0.25 (0.0)
olvi4* 0.75 0.872 1.0 (1.0)
cmyn4* 0.25 0.128 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.65 -0.07 -8.62
LAB*LABa 62.65 0.27 -11.17
LAB*LABb 62.5 11.18 271.41

relative CIELAB lab*
lab*lab 0.577 0.006 -0.249
lab*ch 0.525 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.577 0.0 -0.249
lab*trc 0.525 0.25 0.754
lab*ncc 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.484 0.75 (1.0)
cmyn3* 0.75 0.516 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.55 -22.35
LAB*LABb 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.48 0.012 -0.499
lab*ch 0.437 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.499
lab*trc 0.437 0.25 0.754
lab*ncc 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.5 (1.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 29.3 0.56 -32.78
LAB*LABa 29.3 0.56 -32.78
LAB*LABb 25.01 22.36 271.42

relative CIELAB lab*
lab*lab 0.154 0.012 -0.499
lab*ch 0.125 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.154 0.0 -0.499
lab*trc 0.125 0.25 0.754
lab*ncc 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.622 0.75 (1.0)
cmyn3* 0.5 0.378 0.25 (0.0)
olvi4* 0.75 0.872 1.0 (1.0)
cmyn4* 0.25 0.128 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.65 -0.07 -8.62
LAB*LABa 68.65 0.27 -11.16
LAB*LABb 68.5 11.18 271.39

relative CIELAB lab*
lab*lab 0.654 0.012 -0.499
lab*ch 0.602 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.654 0.0 -0.499
lab*trc 0.602 0.25 0.754
lab*ncc 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.25 0.484 0.75 (1.0)
cmyn3* 0.75 0.516 0.25 (0.0)
olvi4* 0.5 0.744 1.0 (1.0)
cmyn4* 0.5 0.256 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.25 0.45 -20.7
LAB*LABa 49.25 0.55 -22.35
LAB*LABb 50.0 22.36 271.41

relative CIELAB lab*
lab*lab 0.48 0.012 -0.499
lab*ch 0.437 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.48 0.0 -0.499
lab*trc 0.437 0.25 0.754
lab*ncc 0.0 0.25 0.754