

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 103/360 = 0.286$

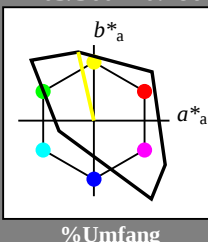
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 158$

%Umfang

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

olv4* 1.0 1.0 1.0 (1.0)

olv5* 1.0 1.0 1.0 (1.0)

olv6* 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 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

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

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 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

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

relative CIELAB lab*

relative Inform. Technology (IT)

olv3* 1.0 1.0 0.75 (1.0)

olv4* 1.0 1.0 0.75 (1.0)

olv5* 1.0 1.0 0.75 (1.0)

olv6* 1.0 1.0 0.75 (1.0)

standard and adapted CIELAB

LAB*LAB 94.71 -5.16 22.68

LAB*LABa 94.71 -5.16 22.68

LAB*LABb 94.71 -5.16 22.68

LAB*LABc 94.71 -5.16 22.68

relative CIELAB lab*

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

relative Natural Colour (NC)

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

standard and adapted CIELAB

LAB*LAB 94.71 -5.16 22.68

LAB*LABa 94.71 -5.16 22.68

LAB*LABb 94.71 -5.16 22.68

LAB*LABc 94.71 -5.16 22.68

relative CIELAB lab*

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

relative Natural Colour (NC)

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

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 1.0 0.5 (1.0)

olv4* 1.0 1.0 0.5 (1.0)

olv5* 1.0 1.0 0.5 (1.0)

olv6* 1.0 1.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 94.03 -10.34 45.37

LAB*LABa 94.03 -10.34 45.37

LAB*LABb 94.03 -10.34 45.37

LAB*LABc 94.03 -10.34 45.37

relative CIELAB lab*

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

relative Natural Colour (NC)

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

standard and adapted CIELAB

LAB*LAB 94.03 -10.34 45.37

LAB*LABa 94.03 -10.34 45.37

LAB*LABb 94.03 -10.34 45.37

LAB*LABc 94.03 -10.34 45.37

relative CIELAB lab*

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

lab*lab 0.985 -0.11 0.487

relative Natural Colour (NC)

lab*lab 0.985 -0.11 0.487

relative Inform. Technology (IT)

olv3* 1.0 1.0 0.5 (1.0)

olv4* 1.0 1.0 0.5 (1.0)

olv5* 1.0 1.0 0.5 (1.0)

olv6* 1.0 1.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 93.34 -15.51 68.05

LAB*LABa 93.34 -15.51 68.05

LAB*LABb 93.34 -15.51 68.05

LAB*LABc 93.34 -15.51 68.05

relative CIELAB lab*

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

relative Natural Colour (NC)

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

standard and adapted CIELAB

LAB*LAB 93.34 -15.51 68.05

LAB*LABa 93.34 -15.51 68.05

LAB*LABb 93.34 -15.51 68.05

LAB*LABc 93.34 -15.51 68.05

relative CIELAB lab*

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

lab*lab 0.978 -0.175 0.729

relative Inform. Technology (IT)

olv3* 1.0 1.0 0.5 (1.0)

olv4* 1.0 1.0 0.5 (1.0)

olv5* 1.0 1.0 0.5 (1.0)

olv6* 1.0 1.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 92.65 -20.69 90.73

LAB*LABa 92.65 -20.69 90.73

LAB*LABb 92.65 -20.69 90.73

LAB*LABc 92.65 -20.69 90.73

relative CIELAB lab*

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

relative Natural Colour (NC)

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

standard and adapted CIELAB

LAB*LAB 92.65 -20.69 90.73

LAB*LABa 92.65 -20.69 90.73

LAB*LABb 92.65 -20.69 90.73

LAB*LABc 92.65 -20.69 90.73

relative CIELAB lab*

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

lab*lab 0.971 -0.221 0.975

relative Inform. Technology (IT)

olv3* 1.0 1.0 0.5 (1.0)

olv4* 1.0 1.0 0.5 (1.0)

olv5* 1.0 1.0 0.5 (1.0)

olv6* 1.0 1.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 96.01 -0.61 3.44

LAB*LABa 96.01 -0.61 3.44

LAB*LABb 96.01 -0.61 3.44

LAB*LABc 96.01 -0.61 3.44

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

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

standard and adapted CIELAB

LAB*LAB 96.01 -0.61 3.44

LAB*LABa 96.01 -0.61 3.44

LAB*LABb 96.01 -0.61 3.44

LAB*LABc 96.01 -0.61 3.44

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

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 1.0 1.0 0.5 (1.0)

olv4* 1.0 1.0 0.5 (1.0)

olv5* 1.0 1.0 0.5 (1.0)

olv6* 1.0 1.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 96.01 -0.61 3.44

LAB*LABa 96.01 -0.61 3.44

LAB*LABb 96.01 -0.61 3.44

LAB*LABc 96.01 -0.61 3.44

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

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

standard and adapted CIELAB

LAB*LAB 96.01 -0.61 3.44

LAB*LABa 96.01 -0.61 3.44

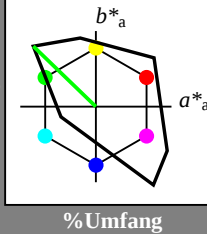
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 136/360 = 0.378$

lab^*ich und lab^*nch

D65: Buntton L
LCH*Ma: 84 115 136
olv*Ma: 0.0 1.0 0.0

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 0.0 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*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 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 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (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 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (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 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)

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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
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 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (0.0)
lab*ich 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 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
RC _{IE}	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 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 89.51 -41.36 39.94
LAB*LABa 89.51 -41.36 39.94
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.938 -0.359 0.347
lab*ich 0.75 0.5 0.378
lab*nch 0.0 0.5 0.378
relative Natural Colour (NC)
lab*lab 0.938 -0.359 0.347
lab*ich 0.75 0.5 0.378
lab*nch 0.0 0.5 0.378

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.67 -41.37 39.95
LAB*LABa 65.67 -41.37 39.95
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.688 -0.415 0.278
lab*ich 0.688 -0.415 0.278
lab*nch 0.25 0.5 0.628
relative Natural Colour (NC)
lab*lab 0.688 -0.415 0.278
lab*ich 0.688 -0.415 0.278
lab*nch 0.25 0.5 0.628

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 65.67 -41.37 39.95
LAB*LABa 65.67 -41.37 39.95
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.907 -0.538 0.521
lab*ich 0.625 0.75 0.378
lab*nch 0.0 0.75 0.378
relative Natural Colour (NC)
lab*lab 0.907 -0.538 0.521
lab*ich 0.625 0.75 0.378
lab*nch 0.0 0.75 0.378

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (0.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.73 -62.05 59.92
LAB*LABa 62.73 -62.05 59.92
LAB*LABb 37.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.657 -0.338 0.521
lab*ich 0.375 0.75 0.378
lab*nch 0.0 0.75 0.378
relative Natural Colour (NC)
lab*lab 0.657 -0.338 0.521
lab*ich 0.375 0.75 0.378
lab*nch 0.0 0.75 0.378

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (0.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 0.25 0.5 0.25 (0.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 41.82 -41.36 39.94
LAB*LABa 41.82 -41.36 39.94
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.438 -0.359 0.347
lab*ich 0.25 0.5 0.378
lab*nch 0.0 0.5 0.378
relative Natural Colour (NC)
lab*lab 0.438 -0.359 0.347
lab*ich 0.25 0.5 0.378
lab*nch 0.0 0.5 0.378

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 0.0 0.5 0.0 (0.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

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

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

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

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

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

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

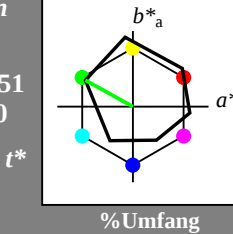
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich und lab^*nch

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

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*ich 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*ich 1.0 0.0 0.0
lab*nch 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 0.856 -0.217 0.121
lab*ich 0.856 -0.217 0.121
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*lab 0.856 -0.217 0.121
lab*ich 0.856 -0.217 0.121
lab*nch 0.25 0.25 0.419

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 46.93 -15.7 8.74
LAB*LABa 46.93 -15.7 8.74
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (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 -15.73 10.13
LAB*LABa 23.87 -15.73 10.13
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 0.0 0.5 0.0 (0.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0

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

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

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

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

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

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

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

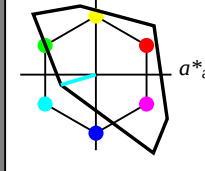
lab^*ich und lab^*nch

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 95.41 0.0 0.0
LAB*LABc 95.41 0.0 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*trj 1.0 0.0 0.0
lab*ice 1.0 0.0 0.0
lab*ncc 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 71.57 0.0 0.0
LAB*LABc 71.57 0.0 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*trj 0.75 0.0 0.0
lab*ice 0.75 0.0 0.0
lab*ncc 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 47.72 0.0 0.0
LAB*LABc 47.72 0.0 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*trj 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0
LAB*LABc 23.87 0.0 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*trj 0.25 0.0 0.0
lab*ice 0.25 0.0 0.0
lab*ncc 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 0.03 0.0 0.0
LAB*LABc 0.03 0.0 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*trj 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*ncc 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 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.14 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*LABb 91.14 -23.07 -6.77
LAB*LABc 91.14 -23.07 -6.77

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 -0.44 -0.234
lab*ice 0.75 0.5 0.578
lab*ncc 0.0 0.5 0.610

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 67.29 -23.08 -6.77
LAB*LABc 67.29 -23.08 -6.77

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 -0.661 -0.352
lab*ice 0.625 0.75 0.578
lab*ncc 0.0 0.75 0.610

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.0 0.0 (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 65.16 -34.61 -10.16
LAB*LABa 65.16 -34.61 -10.16
LAB*LABb 65.16 -34.61 -10.16
LAB*LABc 65.16 -34.61 -10.16

relative CIELAB lab*
lab*lab 0.683 -0.719 -0.21
lab*ich 0.375 0.75 0.545
lab*nch 0.0 0.75 0.545
relative Natural Colour (NC)
lab*trj 0.683 -0.661 -0.352
lab*ice 0.375 0.75 0.578
lab*ncc 0.0 0.75 0.610

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (0.0)
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 43.45 -23.07 -6.77
LAB*LABc 43.45 -23.07 -6.77

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 -0.44 -0.234
lab*ice 0.25 0.5 0.578
lab*ncc 0.0 0.5 0.610

$n^* = 0.50$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

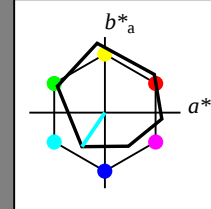
lab^*tch und lab^*nch

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 -0.98 4.75
LAB*LABb 95.41 -0.98 4.75
LAB*LABc 95.41 -0.98 4.75

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*ice 1.0 0.0 0.0
lab*ncc 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
LAB*LABc 76.06 -0.61 3.44

relative CIELAB lab*
lab*lab 0.881 -0.123 -0.216
lab*ich 0.881 -0.123 -0.216
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.881 -0.123 -0.216
lab*ice 0.881 -0.123 -0.216
lab*ncc 0.0 0.25 0.656

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 -0.25 0.567
LAB*LABa 47.72 -0.25 0.567
LAB*LABb 47.72 -0.25 0.567
LAB*LABc 47.72 -0.25 0.567

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*ice 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 23.87 -0.13 0.983
LAB*LABa 23.87 -0.13 0.983
LAB*LABb 23.87 -0.13 0.983
LAB*LABc 23.87 -0.13 0.983

relative CIELAB lab*
lab*lab 0.381 -0.139 -0.206
lab*ich 0.381 -0.139 -0.206
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*trj 0.381 -0.123 -0.216
lab*ice 0.381 -0.123 -0.216
lab*ncc 0.0 0.25 0.656

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (0.0)
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 18.02 0.5 0.47
LAB*LABa 18.02 0.5 0.47
LAB*LABb 18.02 0.5 0.47
LAB*LABc 18.02 0.5 0.47

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*ice 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

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 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.16 -18.98
LAB*LABa 77.01 -15.16 -18.98
LAB*LABb 77.01 -15.16 -18.98
LAB*LABc 77.01 -15.16 -18.98

relative CIELAB lab*
lab*lab 0.752 -0.278 -0.414
lab*ich 0.75 0.5 0.566
lab*nch 0.0 0.5 0.566
relative Natural Colour (NC)
lab*trj 0.752 -0.247 -0.433
lab*ice 0.75 0.5 0.566
lab*ncc 0.0 0.5 0.566

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 57.67 -15.43 -20.29
LAB*LABa 57.67 -15.43 -20.29
LAB*LABb 57.67 -15.43 -20.29
LAB*LABc 57.67 -15.43 -20.29

relative CIELAB lab*
lab*lab 0.643 -0.418 -0.621
lab*ich 0.625 0.75 0.566
lab*nch 0.0 0.75 0.566
relative Natural Colour (NC)
lab*trj 0.643 -0.371 -0.65
lab*ice 0.625 0.75 0.566
lab*ncc 0.0 0.75 0.566

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (0.0)
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 48.47 -22.75 -33.17
LAB*LABa 48.47 -22.75 -33.17
LAB*LABb 48.47 -22.75 -33.17
LAB*LABc 48.47 -22.75 -33.17

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ich 0.375 0.75 0.566
lab*nch 0.0 0.75 0.566
relative Natural Colour (NC)
lab*trj 0.394 -0.371 -0.65
lab*ice 0.375 0.75 0.566
lab*ncc 0.0 0.75 0.566

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (0.0)
cmyn3* 1.0 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 28.17 -7.57 -11.24
LAB*LABa 28.17 -7.57 -11.24
LAB*LABb 28.17 -7.57 -11.24
LAB*LABc 28.17 -7.57 -11.24

relative CIELAB lab*
lab*lab 0.262 -0.278 -0.414
lab*ich 0.25 0.5 0.566
lab*nch 0.0 0.5 0.566
relative Natural Colour (NC)
lab*trj 0.262 -0.247 -0.433
lab*ice 0.25 0.5 0.566
lab*ncc 0.0 0.5 0.566

$n^* = 0.50$

NG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: olv* setrgbcolor

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

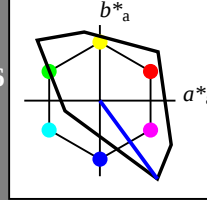
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 306/360 = 0.851$

lab^*ich und lab^*nch

D65: Buntton V
LCH*Ma: 30 129 306
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	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	

standard and adapted CIELAB

lab*lab	0.83	0.148	-0.2
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

relative Natural Colour (NC)

lab*lab	0.83	0.148	-0.2
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

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	0.83	0.148	-0.2
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

relative Natural Colour (NC)

lab*lab	0.83	0.148	-0.2
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

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	0.83	0.148	-0.201
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

relative Natural Colour (NC)

lab*lab	0.83	0.148	-0.201
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

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	0.83	0.148	-0.201
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

relative Natural Colour (NC)

lab*lab	0.83	0.148	-0.201
lab*ich	0.875	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.83	0.115	-0.221
lab*trj	0.875	0.25	0.826
lab*trj	0.0	0.25	0.826

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	0.08	0.148	-0.2
lab*ich	0.125	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.08	0.115	-0.221
lab*trj	0.125	0.25	0.826
lab*trj	0.0	0.25	0.826

relative Natural Colour (NC)

lab*lab	0.08	0.148	-0.2
lab*ich	0.125	0.25	0.851
lab*nch	0.0	0.25	0.851
lab*trj	0.08	0.115	-0.221
lab*trj	0.125	0.25	0.826
lab*trj	0.0	0.25	0.826

NG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: $olv^*setrgbcolor$

D65: 2 Koordinateindaten; 5stufige Farbreihen für 10 Bunttöne

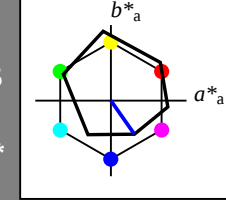
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 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*TCHa	99.99	0.01	-	

standard and adapted CIELAB

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

standard and adapted CIELAB

LAB*LAB	56.71	0.24	2.14
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0
LAB*LAB	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

standard and adapted CIELAB

LAB*LAB	39.29	7.87	-10.13
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0
LAB*LAB	39.29	0.0	0.0

relative CIELAB lab*

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

standard and adapted CIELAB

LAB*LAB	19.94	7.77	-11.09
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0
LAB*LAB	19.94	0.0	0.0

relative CIELAB lab*

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.83	0.143	-0.204
lab*ich	0.875	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.83	0.112	-0.222
lab*trj	0.875	0.25	0.824
lab*trj	0.0	0.25	0.824

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	0.08	0.143	-0.204
lab*ich	0.125	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.08	0.112	-0.222
lab*trj	0.125	0.25	0.824
lab*trj	0.0	0.25	0.824

relative Natural Colour (NC)

lab*lab	0.08	0.143	-0.204
lab*ich	0.125	0.25	0.847
lab*nch	0.0	0.25	0.847
lab*trj	0.08	0.112	-0.222
lab*trj	0.125	0.25	0.824
lab*trj	0.0	0.25	0.824

<i>olvi4*</i>	1.0	1.0	1.0	0.0
<i>cmy4*</i>	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
<i>LAB*LAB</i>	18.02	0.5	-0.4	
<i>LAB*LABa</i>	18.02	0.0	0.0	
<i>LAB*TCHa</i>	0.01	0.01	-	
relative CIELAB lab*				
<i>lab*lab</i>	0.0	0.0	0.0	
<i>lab*tch</i>	0.0	0.0	-	
<i>lab*nch</i>	1.0	0.0	-	

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 25/360 = 0.071$

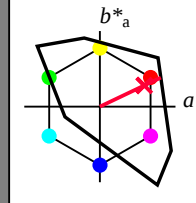
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

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 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 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 1.0 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 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 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.0 0.75 0.0
lab*lab 0.0 0.0 0.75
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.0 0.75 0.0
lab*lab 0.0 0.0 0.75
lab*lab 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 47.72 0.0 0.0
LAB*LABc 47.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.0 0.75 0.0
lab*lab 0.0 0.0 0.75
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.0 0.75 0.0
lab*lab 0.0 0.0 0.75
lab*lab 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 23.87 0.0 0.0
LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.0 0.25 0.0
lab*lab 0.0 0.0 0.25
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.0 0.25 0.0
lab*lab 0.0 0.0 0.25
lab*lab 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 0.03 0.0 0.0
LAB*LABc 0.03 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
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

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 0.03 0.0 0.0
LAB*LABc 0.03 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
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

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 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 84.54 20.15 9.6
LAB*LABa 84.54 20.15 9.6
LAB*LABb 84.54 20.15 9.6
LAB*LABc 84.54 20.15 9.6

relative CIELAB lab*
lab*lab 0.772 0.451 0.215
lab*lab 0.772 0.451 0.215
lab*lab 0.772 0.451 0.215
relative Natural Colour (NC)
lab*lab 0.772 0.451 0.215
lab*lab 0.772 0.451 0.215
lab*lab 0.772 0.451 0.215
lab*lab 0.772 0.451 0.215

relative Inform. Technology (IT)

olv3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*LABb 62.81 60.46 28.81
LAB*LABc 62.81 60.46 28.81

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
relative Natural Colour (NC)
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*LABb 49.83 40.31 19.21
LAB*LABc 49.83 40.31 19.21

relative CIELAB lab*
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
relative Natural Colour (NC)
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.15 19.21
LAB*LABa 25.98 40.15 19.21
LAB*LABb 25.98 40.15 19.21
LAB*LABc 25.98 40.15 19.21

relative Inform. Technology (IT)

olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.81 60.46 28.81
LAB*LABa 62.81 60.46 28.81
LAB*LABb 62.81 60.46 28.81
LAB*LABc 62.81 60.46 28.81

relative CIELAB lab*
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
relative Natural Colour (NC)
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323
lab*lab 0.589 0.677 0.323

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*LABb 49.83 40.31 19.21
LAB*LABc 49.83 40.31 19.21

relative CIELAB lab*
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
relative Natural Colour (NC)
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.98 40.15 19.21
LAB*LABa 25.98 40.15 19.21
LAB*LABb 25.98 40.15 19.21
LAB*LABc 25.98 40.15 19.21

relative CIELAB lab*
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
relative Natural Colour (NC)
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 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 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0
LAB*LABc 23.87 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 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0
LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (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 23.87 0.0 0.0
LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (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 0.03 0.0 0.0
LAB*LABc 0.03 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
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

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (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 0.03 0.0 0.0
LAB*LABc 0.03 0.0 0.0

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

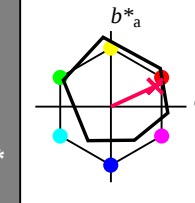
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

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 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 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 1.0 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 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 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*lab 0.847 0.227 0.104
lab*lab 0.847 0.227 0.104
relative Natural Colour (NC)
lab*lab 0.847 0.227 0.104
lab*lab 0.847 0.227 0.104
lab*lab 0.847 0.227 0.104
lab*lab 0.847 0.227 0.104

relative Inform. Technology (IT)

olv3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.21 16.75 10.54
LAB*LABa 64.21 16.75 10.54
LAB*LABb 64.21 16.75 10.54
LAB*LABc 64.21 16.75 10.54

relative CIELAB lab*
lab*lab 0.625 0.25 0.0
lab*lab 0.625 0.25 0.0
lab*lab 0.625 0.25 0.0
relative Natural Colour (NC)
lab*lab 0.625 0.25 0.0
lab*lab 0.625 0.25 0.0
lab*lab 0.625 0.25 0.0
lab*lab 0.625 0.25 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 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 48.72 0.0 0.0
LAB*LABa 48.72 0.0 0.0
LAB*LABb 48.72 0.0 0.0
LAB*LABc 48.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
relative Natural Colour (NC)
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0
lab*lab 0.522 0.5 0.0

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.83 40.31 19.21
LAB*LABa 49.83 40.31 19.21
LAB*LABb 49.83 40.31 19.21
LAB*LABc 49.83 40.31 19.21

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 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 0.0 0.0
LAB*LABa 23.87 0.0 0.0
LAB*LABb 23.87 0.0 0.0
LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25
lab*lab 0.25 0.25 0.25

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (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 23.87 0.0 0.0
LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

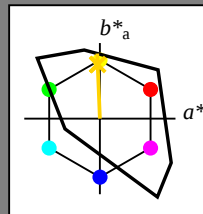
lab^*ch und lab^*nch

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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	

relative Inform. Technology (IT)

olv3*	1.0	0.956	0.75	(1.0)
olv3*	0.0	0.044	0.25	(0.0)
olv4*	1.0	0.956	0.75	(1.0)
olv4*	0.0	0.044	0.25	(0.0)
olv4*	0.0	0.044	0.25	(0.0)
olv4*	0.0	0.044	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.86	-0.87	21.53	
LAB*LAB	92.86	-0.87	21.53	
LAB*LAB	92.86	-0.87	21.53	
LAB*LAB	92.86	-0.87	21.53	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	69.01	-0.86	21.53	
LAB*LAB	69.01	-0.86	21.53	
LAB*LAB	69.01	-0.86	21.53	
LAB*LAB	69.01	-0.86	21.53	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.47	-1.73	43.06	
LAB*LAB	66.47	-1.73	43.06	
LAB*LAB	66.47	-1.73	43.06	
LAB*LAB	66.47	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	63.92	-2.6	64.59	
LAB*LAB	63.92	-2.6	64.59	
LAB*LAB	63.92	-2.6	64.59	
LAB*LAB	63.92	-2.6	64.59	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.47	-3.47	86.11	
LAB*LAB	61.47	-3.47	86.11	
LAB*LAB	61.47	-3.47	86.11	
LAB*LAB	61.47	-3.47	86.11	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	-2.24	86.11	
LAB*LAB	56.71	-2.24	86.11	
LAB*LAB	56.71	-2.24	86.11	
LAB*LAB	56.71	-2.24	86.11	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	54.4	-0.89	23.91	
LAB*LAB	54.4	-0.89	23.91	
LAB*LAB	54.4	-0.89	23.91	
LAB*LAB	54.4	-0.89	23.91	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.1	-1.39	43.83	
LAB*LAB	52.1	-1.39	43.83	
LAB*LAB	52.1	-1.39	43.83	
LAB*LAB	52.1	-1.39	43.83	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	50.0	-0.87	91.84	
LAB*LAB	50.0	-0.87	91.84	
LAB*LAB	50.0	-0.87	91.84	
LAB*LAB	50.0	-0.87	91.84	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	43.06	-1.73	43.06	
LAB*LAB	43.06	-1.73	43.06	
LAB*LAB	43.06	-1.73	43.06	
LAB*LAB	43.06	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	
LAB*LAB	42.62	-1.73	43.06	

NG550-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage NG55; Farbmetrik-Systeme TLS00 & ORS18 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

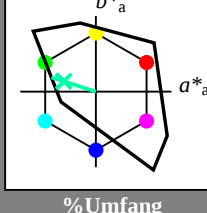
lab^*ich und lab^*nch

D65: Buntton G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit t^*



$u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	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	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.913	(1.0)
olv3*	0.25	0.0	0.087	(0.0)
olv4*	0.75	1.0	0.913	(1.0)
olv4*	0.25	0.0	0.087	(0.0)
olv4*	0.25	0.0	0.087	(0.0)
standard and adapted CIELAB				
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	
LAB*LAB	92.99	-14.7	4.71	

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
RC _{IE}	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

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

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

1.00

0.75

0.25

0.00

relative Buntheit c^*

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

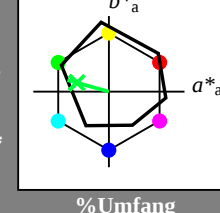
lab^*ich und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	-0.98	4.75	
LAB*LAB	95.41	-0.98	4.75	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

relative Inform. Technology (IT)

olv3*	0.75	1.0	0.812	(1.0)
olv3*	0.25	0.0	0.188	(0.0)
olv4*	0.75	1.0	0.812	(1.0)
olv4*	0.25	0.0	0.188	(0.0)
olv4*	0.25	0.0	0.188	(0.0)
standard and adapted CIELAB				
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	
LAB*LAB	84.75	-13.69	3.81	

NG550-7, 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 NG55; Farbmetrik-Systeme TLS00 & ORS18 input: olv* setrgb color

D65: 2 Koordinatendaten; 25stufige Farbreihen für 10 B

