

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 22/360 = 0.061$

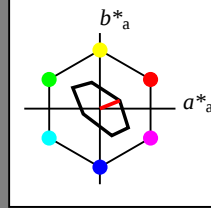
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 76 28 22

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



TLS70; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	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

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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*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

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*

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)

olv3* 1.0 0.75 0.75 (1.0)

olv4* 1.0 0.75 0.75 (1.0)

olv5* 1.0 0.75 0.75 (1.0)

olv6* 1.0 0.75 0.75 (1.0)

standard and adapted CIELAB

LAB*LAB 90.66 6.56 2.64

LAB*LAB 90.66 6.56 2.64

LAB*LAB 90.66 6.56 2.64

LAB*LAB 90.66 6.56 2.64

relative CIELAB lab*

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

relative Natural Colour (NC)

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

relative CIELAB lab*

lab*lab 0.631 0.464 0.187

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.5 (1.0)

olv4* 1.0 0.5 0.5 (1.0)

olv5* 1.0 0.5 0.5 (1.0)

olv6* 1.0 0.5 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 85.92 13.13 5.28

LAB*LAB 85.92 13.13 5.28

LAB*LAB 85.92 13.13 5.28

LAB*LAB 85.92 13.13 5.28

relative CIELAB lab*

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

relative Natural Colour (NC)

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

lab*lab 0.631 0.464 0.187

relative CIELAB lab*

lab*lab 0.631 0.464 0.187

relative Inform. Technology (IT)

olv3* 1.0 0.25 0.25 (1.0)

olv4* 1.0 0.25 0.25 (1.0)

olv5* 1.0 0.25 0.25 (1.0)

olv6* 1.0 0.25 0.25 (1.0)

standard and adapted CIELAB

LAB*LAB 81.17 19.7 7.93

LAB*LAB 81.17 19.7 7.93

LAB*LAB 81.17 19.7 7.93

LAB*LAB 81.17 19.7 7.93

relative CIELAB lab*

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

relative Natural Colour (NC)

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

lab*lab 0.446 0.696 0.28

relative CIELAB lab*

lab*lab 0.446 0.696 0.28

relative Inform. Technology (IT)

olv3* 1.0 0.0 0.0 (1.0)

olv4* 1.0 0.0 0.0 (1.0)

olv5* 1.0 0.0 0.0 (1.0)

olv6* 1.0 0.0 0.0 (1.0)

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 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

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 CIELAB lab*

lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

olv4* 0.5 0.5 0.5 (1.0)

olv5* 0.5 0.5 0.5 (1.0)

olv6* 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.25 (1.0)

olv4* 0.25 0.25 0.25 (1.0)

olv5* 0.25 0.25 0.25 (1.0)

olv6* 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)

olv3* 0.125 0.125 0.125 (1.0)

olv4* 0.125 0.125 0.125 (1.0)

olv5* 0.125 0.125 0.125 (1.0)

olv6* 0.125 0.125 0.125 (1.0)

relative Inform. Technology (IT)

olv3* 0.0625 0.0625 0.0625 (1.0)

olv4* 0.0625 0.0625 0.0625 (1.0)

olv5* 0.0625 0.0625 0.0625 (1.0)

olv6* 0.0625 0.0625 0.0625 (1.0)

relative Inform. Technology (IT)

olv3* 0.03125 0.03125 0.03125 (1.0)

olv4* 0.03125 0.03125 0.03125 (1.0)

olv5* 0.03125 0.03125 0.03125 (1.0)

olv6* 0.03125 0.03125 0.03125 (1.0)

relative Inform. Technology (IT)

olv3* 0.015625 0.015625 0.015625 (1.0)

olv4* 0.015625 0.015625 0.015625 (1.0)

olv5* 0.015625 0.015625 0.015625 (1.0)

olv6* 0.015625 0.015625 0.015625 (1.0)

relative Inform. Technology (IT)

olv3* 0.0078125 0.0078125 0.0078125 (1.0)

olv4* 0.0078125 0.0078125 0.0078125 (1.0)

olv5* 0.0078125 0.0078125 0.0078125 (1.0)

olv6* 0.0078125 0.0078125 0.0078125 (1.0)

relative Inform. Technology (IT)

olv3* 0.00390625 0.00390625 0.00390625 (1.0)

olv4* 0.00390625 0.00390625 0.00390625 (1.0)

olv5* 0.00390625 0.00390625 0.00390625 (1.0)

olv6* 0.00390625 0.00390625 0.00390625 (1.0)

relative Inform. Technology (IT)

olv3* 0.001953125 0.001953125 0.001953125 (1.0)

olv4* 0.001953125 0.001953125 0.001953125 (1.0)

olv5* 0.001953125 0.001953125 0.001953125 (1.0)

olv6* 0.001953125 0.001953125 0.001953125 (1.0)

relative Inform. Technology (IT)

olv3* 0.0009765625 0.0009765625 0.0009765625 (1.0)

olv4* 0.0009765625 0.0009765625 0.0009765625 (1.0)

olv5* 0.0009765625 0.0009765625 0.0009765625 (1.0)

olv6* 0.0009765625 0.0009765625 0.0009765625 (1.0)

relative Inform. Technology (IT)

olv3* 0.00048828125 0.00048828125 0.00048828125 (1.0)

olv4* 0.00048828125 0.00048828125 0.00048828125 (1.0)

olv5* 0.00048828125 0.00048828125 0.00048828125 (1.0)

olv6* 0.00048828125 0.00048828125 0.00048828125 (1.0)

relative Inform. Technology (IT)

olv3* 0.000244140625 0.000244140625 0.000244140625 (1.0)

olv4* 0.000244140625 0.000244140625 0.000244140625 (1.0)

olv5* 0.000244140625 0.000244140625 0.000244140625 (1.0)

olv6* 0.000244140625 0.000244140625 0.000244140625 (1.0)

relative Inform. Technology (IT)

olv3* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)

olv4* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)

olv5* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)

olv6* 0.0001220703125 0.0001220703125 0.0001220703125 (1.0)

relative Inform. Technology (IT)

olv3* 6.103515625e-05 6.103515625e-05 6.103515625e-05 (1.0)

olv4* 6.103515625e-05 6.103515625e-05 6.103515625e-05 (1.0)

olv5* 6.103515625e-05 6.103515625e-05 6.103515625e-05 (1.0)

olv6* 6.103515625e-05 6.103515625e-05 6.103515625e-05 (1.0)

relative Inform. Technology (IT)

olv3* 3.0517578125e-05 3.0517578125e-05 3.0517578125e-05 (1.0)

olv4* 3.0517578125e-05 3.0517578125e-05 3.0517578125e-05 (1.0)

olv5* 3.0517578125e-05 3.0517578125e-05 3.0517578125e-05 (1.0)

olv6* 3.0517578125e-05 3.0517578125e-05 3.0517578125e-05 (1.0)

relative Inform. Technology (IT)

olv3* 1.52587890625e-05 1.52587890625e-05 1.52587890625e-05 (1.0)

olv4* 1.52587890625e-05 1.52587890625e-05 1.52587890625e-05 (1.0)

olv5* 1.52587890

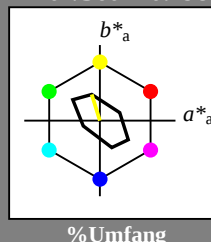
Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 107/360 = 0.298$

lab^*ich und lab^*nch

D65: Buntton Y
LCH*Ma: 94 36 107
olv*Ma: 1.0 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*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*ich 0.0 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)
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 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 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 0.75 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 0.75 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 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 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 0.5 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 0.5 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 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 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 0.25 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 0.25 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 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
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 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

TLS70; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
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%Regularität

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

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 94.67 -5.37 17.31
LAB*LAB 94.67 -5.37 17.31
LAB*LAB 94.67 -5.37 17.31
LAB*LAB 94.67 -5.37 17.31

relative CIELAB lab*
lab*lab 0.971 -0.147 0.477
lab*ich 0.75 0.5 0.298
lab*nch 0.0 0.5 0.298
relative Natural Colour (NC)
lab*trj 0.971 -0.147 0.477
lab*trc 0.75 0.5 0.298
lab*ncc 0.0 0.5 0.298

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 88.24 -5.38 17.32
LAB*LAB 88.24 -5.38 17.32
LAB*LAB 88.24 -5.38 17.32
LAB*LAB 88.24 -5.38 17.32

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.625 0.75 0.298
lab*nch 0.0 0.75 0.298
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.625 0.75 0.298
lab*ncc 0.0 0.75 0.298

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 82.56 -5.38 17.32
LAB*LAB 82.56 -5.38 17.32
LAB*LAB 82.56 -5.38 17.32
LAB*LAB 82.56 -5.38 17.32

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*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ncc 0.5 0.5 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 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 -5.37 17.31
LAB*LAB 76.13 -5.37 17.31
LAB*LAB 76.13 -5.37 17.31
LAB*LAB 76.13 -5.37 17.31

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.25 0.25 0.25 (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 69.13 -5.37 17.31
LAB*LAB 69.13 -5.37 17.31
LAB*LAB 69.13 -5.37 17.31
LAB*LAB 69.13 -5.37 17.31

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

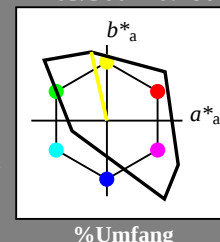
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

lab^*tch und lab^*nch

D65: Buntton Y
LCH*Ma: 93 93 103
olv*Ma: 1.0 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*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*ich 0.0 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)
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 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 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 0.75 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 0.75 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 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 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 0.5 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 0.5 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 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 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 0.25 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 0.25 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 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
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 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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 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 94.71 -5.16 22.68
LAB*LAB 94.71 -5.16 22.68
LAB*LAB 94.71 -5.16 22.68
LAB*LAB 94.71 -5.16 22.68

relative CIELAB lab*
lab*lab 0.993 -0.055 0.244
lab*ich 0.875 0.25 0.286
lab*nch 0.0 0.25 0.286
relative Natural Colour (NC)
lab*trj 0.993 -0.055 0.244
lab*trc 0.875 0.25 0.286
lab*ncc 0.0 0.25 0.286

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 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ich 0.625 0.75 0.286
lab*nch 0.0 0.75 0.286
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.625 0.75 0.286
lab*ncc 0.0 0.75 0.286

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 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 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*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ncc 0.5 0.5 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 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ich 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (1.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ncc 0.25 0.25 0.25 (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 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 0.0 0.0
LAB*LAB 69.13 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

NG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (rechts)

BAM-Prüfvorlage NG58; Farbmetrik-Systeme TLS70 & TLS00 input: $olv^*setrgbcolor$

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

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 142/360 = 0.395$

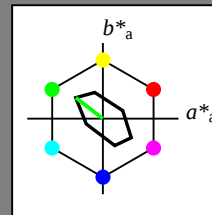
lab^*ich und lab^*nch

D65: Buntton L

LCH*Ma: 89 45 142

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

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)
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	

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 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*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	

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*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	

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

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	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

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	

standard and adapted CIELAB

LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	
LAB*LAB	93.89	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	

standard and adapted CIELAB

LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	
LAB*LAB	87.46	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.25	0.25	0.25	(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)
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	

standard and adapted CIELAB

LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

standard and adapted CIELAB

LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	
LAB*LAB	82.56	-8.94	6.91	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(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)
LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	

standard and adapted CIELAB

LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	
LAB*LAB	79.51	-17.89	13.82	

relative CIELAB lab*

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Natural Colour (NC)

lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	
lab*lab	0.881	-0.395	0.305	

relative Inform. Technology			
olvi3*	0.25	0.5	0.25
cmyn3*	0.75	0.5	0.75
olvi4*	0.75	1.0	0.75
cmyn4*	0.25	0.0	0.25
standard and adapted CIELAB			
LAB*LAB	44.76	-20.68	13.82
LAB*LABa	44.76	-20.68	13.82
LAB*TCHa	37.5	28.76	13.82

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

für Buntton $h^* = lab^*h = 294/360 = 0.816$

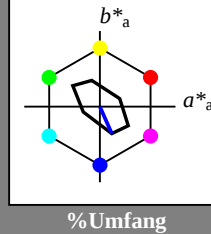
lab^*ich und lab^*nch

D65: Buntton V

LCH*Ma: 72 39 294

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

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*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 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 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 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 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
lab*lab 0.0 0.0 0.0
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* 0.5 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 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.0 0.5 0.0
lab*lab 0.0 0.0 0.5
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.0 0.5 0.0
lab*lab 0.0 0.0 0.5
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 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 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
lab*lab 0.0 0.0 0.0
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 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 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
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 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 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
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

TLS70; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	76.43	26.27	10.57	28.32	22
Y _{Ma}	93.93	-10.76	34.63	36.27	107
L _{Ma}	89.32	-35.8	27.64	45.24	142
C _{Ma}	90.93	-21.95	-7.07	23.07	198
V _{Ma}	72.1	15.76	-35.63	38.97	294
M _{Ma}	78.5	37.52	-25.23	45.22	326
N _{Ma}	69.7	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

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

relative Inform. Technology (IT)
olv3* 0.5 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 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.75 7.88 -17.81
LAB*LAB 83.75 7.88 -17.81
LAB*LAB 83.75 7.88 -17.81
LAB*LAB 83.75 7.88 -17.81

relative CIELAB lab*
lab*lab 0.547 0.202 -0.456
lab*lab 0.75 0.5 0.816
lab*lab 0.0 0.5 0.816
lab*lab 0.0 0.0 0.5
relative Natural Colour (NC)
lab*lab 0.547 0.15 -0.476
lab*lab 0.75 0.5 0.799
lab*lab 0.0 0.5 0.799
lab*lab 0.0 0.0 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* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.33 7.88 -17.81
LAB*LAB 77.33 7.88 -17.81
LAB*LAB 77.33 7.88 -17.81
LAB*LAB 77.33 7.88 -17.81

relative CIELAB lab*
lab*lab 0.297 0.15 -0.476
lab*lab 0.75 0.5 0.799
lab*lab 0.0 0.5 0.799
lab*lab 0.0 0.0 0.5
relative Natural Colour (NC)
lab*lab 0.297 0.15 -0.476
lab*lab 0.75 0.5 0.799
lab*lab 0.0 0.5 0.799
lab*lab 0.0 0.0 0.5

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 70.5 7.88 -17.81
LAB*LAB 70.5 7.88 -17.81
LAB*LAB 70.5 7.88 -17.81
LAB*LAB 70.5 7.88 -17.81

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
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 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 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
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 30.57 0.0 0.0
LAB*LAB 30.57 0.0 0.0
LAB*LAB 30.57 0.0 0.0
LAB*LAB 30.57 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
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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

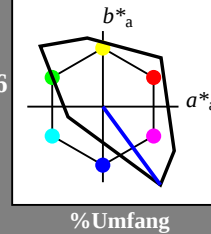
lab^*ich und lab^*nch

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)
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*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 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 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 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 0.0 0.0
LAB*LAB 88.98 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
lab*lab 0.0 0.0 0.0
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* 0.5 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 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0
LAB*LAB 82.56 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.0 0.5 0.0
lab*lab 0.0 0.0 0.5
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.0 0.5 0.0
lab*lab 0.0 0.0 0.5
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 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 0.0 0.0
LAB*LAB 76.13 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
lab*lab 0.0 0.0 0.0
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 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 0.0 0.0
LAB*LAB 69.17 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
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 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 0.0 0.0
LAB*LAB 50.00 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
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* 0.5 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 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LAB 62.9 38.02 -51.78
LAB*LAB 62.9 38.02 -51.78
LAB*LAB 62.9 38.02 -51.78

relative CIELAB lab*
lab*lab 0.659 0.296 -0.402
lab*lab 0.75 0.5 0.851
lab*lab 0.0 0.5 0.851
lab*lab 0.0 0.0 0.5
relative Natural Colour (NC)
lab*lab 0.659 0.23 -0.443
lab*lab 0.75 0.5 0.826
lab*lab 0.0 0.5 0.826
lab*lab 0.0 0.0 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* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.05 38.03 -51.79
LAB*LAB 39.05 38.03 -51.79
LAB*LAB 39.05 38.03 -51.79
LAB*LAB 39.05 38.03 -51.79

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*lab 0.625 0.75 0.851
lab*lab 0.0 0.75 0.851
lab*lab 0.0 0.0 0.75
relative Natural Colour (NC)
lab*lab 0.489 0.344 -0.665
lab*lab 0.625 0.75 0.826
lab*lab 0.0 0.75 0.826
lab*lab 0.0 0.0 0.75

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 22.8 57.04 -77.68
LAB*LAB 22.8 57.04 -77.68
LAB*LAB 22.8 57.04 -77.68
LAB*LAB 22.8 57.04 -77.68

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*lab 0.375 0.75 0.851
lab*lab 0.0 0.75 0.851
lab*lab 0.0 0.0 0.75
relative Natural Colour (NC)
lab*lab 0.239 0.344 -0.665
lab*lab 0.375 0.75 0.826
lab*lab 0.0 0.75 0.826
lab*lab 0.0 0.0 0.75

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 15.21 38.02 -51.78
LAB*LAB 15.21 38.02 -51.78
LAB*LAB 15.21 38.02 -51.78
LAB*LAB 15.21 38.02 -51.78

relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*lab 0.25 0.5 0.851
lab*lab 0.0 0.5 0.851
lab*lab 0.0 0.0 0.5
relative Natural Colour (NC)
lab*lab 0.159 0.23 -0.443
lab*lab 0.25 0.5 0.826
lab*lab 0.0 0.5 0.826
lab*lab 0.0 0.0 0.5

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 7.61 19.01 -25.88
LAB*LAB 7.61 19.01 -25.88
LAB*LAB 7.61 19.01 -25.88
LAB*LAB 7.61 19.01 -25.88

relative CIELAB lab*
lab*lab 0.08 0.148 -0.2
lab*lab 0.125 0.25 0.851
lab*lab 0.0 0.25 0.851
lab*lab 0.0 0.0 0.25
relative Natural Colour (NC)
lab*lab 0.08 0.115 -0.22

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

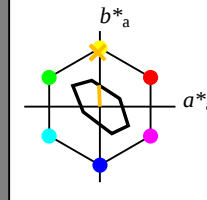
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 89 28 92

olv*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

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*	0.0	0.0	0.0	(0.0)
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	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	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)
olv5*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	88.98	0.0	0.0	
LAB*Lab	88.98	0.0	0.0	
LAB*Lab	88.98	0.0	0.0	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	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)
olv5*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	82.56	0.0	0.0	
LAB*Lab	82.56	0.0	0.0	
LAB*Lab	82.56	0.0	0.0	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	76.13	0.0	0.0	
LAB*Lab	76.13	0.0	0.0	
LAB*Lab	76.13	0.0	0.0	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	69.07	0.0	0.0	
LAB*Lab	69.07	0.0	0.0	
LAB*Lab	69.07	0.0	0.0	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*Lab	50.00	0.0	0.0	
LAB*Lab	50.00	0.0	0.0	
LAB*Lab	50.00	0.0	0.0	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(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*	0.0	0.0	0.0	(0.0)
olv5*	0.0	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	

standard and adapted CIELAB

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

NG580-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage NG58; Farbmetrik-Systeme TLS70 & TLS00 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

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

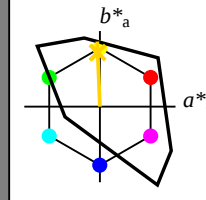
lab^*ich und lab^*nch

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)
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*	0.0	0.0	0.0	(0.0)
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	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	

relative CIELAB lab*

lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	0.0	0.0	
lab*lab	0.941	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	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	

Eingabe: Farbmetrisches Fernseh-Licht-System TLS70

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

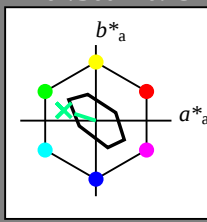
lab^*ich und lab^*nch

D65: Buntton G

LCH*Ma: 90 30 162

olv*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 16$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0
olv8*	0.0	0.0	0.0	0.0	0.0
olv9*	0.0	0.0	0.0	0.0	0.0
olv10*	0.0	0.0	0.0	0.0	0.0
olv11*	0.0	0.0	0.0	0.0	0.0
olv12*	0.0	0.0	0.0	0.0	0.0
olv13*	0.0	0.0	0.0	0.0	0.0
olv14*	0.0	0.0	0.0	0.0	0.0
olv15*	0.0	0.0	0.0	0.0	0.0
olv16*	0.0	0.0	0.0	0.0	0.0
olv17*	0.0	0.0	0.0	0.0	0.0
olv18*	0.0	0.0	0.0	0.0	0.0
olv19*	0.0	0.0	0.0	0.0	0.0
olv20*	0.0	0.0	0.0	0.0	0.0
olv21*	0.0	0.0	0.0	0.0	0.0
olv22*	0.0	0.0	0.0	0.0	0.0
olv23*	0.0	0.0	0.0	0.0	0.0
olv24*	0.0	0.0	0.0	0.0	0.0
olv25*	0.0	0.0	0.0	0.0	0.0
olv26*	0.0	0.0	0.0	0.0	0.0
olv27*	0.0	0.0	0.0	0.0	0.0
olv28*	0.0	0.0	0.0	0.0	0.0
olv29*	0.0	0.0	0.0	0.0	0.0
olv30*	0.0	0.0	0.0	0.0	0.0
olv31*	0.0	0.0	0.0	0.0	0.0
olv32*	0.0	0.0	0.0	0.0	0.0
olv33*	0.0	0.0	0.0	0.0	0.0
olv34*	0.0	0.0	0.0	0.0	0.0
olv35*	0.0	0.0	0.0	0.0	0.0
olv36*	0.0	0.0	0.0	0.0	0.0
olv37*	0.0	0.0	0.0	0.0	0.0
olv38*	0.0	0.0	0.0	0.0	0.0
olv39*	0.0	0.0	0.0	0.0	0.0
olv40*	0.0	0.0	0.0	0.0	0.0
olv41*	0.0	0.0	0.0	0.0	0.0
olv42*	0.0	0.0	0.0	0.0	0.0
olv43*	0.0	0.0	0.0	0.0	0.0
olv44*	0.0	0.0	0.0	0.0	0.0
olv45*	0.0	0.0	0.0	0.0	0.0
olv46*	0.0	0.0	0.0	0.0	0.0
olv47*	0.0	0.0	0.0	0.0	0.0
olv48*	0.0	0.0	0.0	0.0	0.0
olv49*	0.0	0.0	0.0	0.0	0.0
olv50*	0.0	0.0	0.0	0.0	0.0
olv51*	0.0	0.0	0.0	0.0	0.0
olv52*	0.0	0.0	0.0	0.0	0.0
olv53*	0.0	0.0	0.0	0.0	0.0
olv54*	0.0	0.0	0.0	0.0	0.0
olv55*	0.0	0.0	0.0	0.0	0.0
olv56*	0.0	0.0	0.0	0.0	0.0
olv57*	0.0	0.0	0.0	0.0	0.0
olv58*	0.0	0.0	0.0	0.0	0.0
olv59*	0.0	0.0	0.0	0.0	0.0
olv60*	0.0	0.0	0.0	0.0	0.0
olv61*	0.0	0.0	0.0	0.0	0.0
olv62*	0.0	0.0	0.0	0.0	0.0
olv63*	0.0	0.0	0.0	0.0	0.0
olv64*	0.0	0.0	0.0	0.0	0.0
olv65*	0.0	0.0	0.0	0.0	0.0
olv66*	0.0	0.0	0.0	0.0	0.0
olv67*	0.0	0.0	0.0	0.0	0.0
olv68*	0.0	0.0	0.0	0.0	0.0
olv69*	0.0	0.0	0.0	0.0	0.0
olv70*	0.0	0.0	0.0	0.0	0.0
olv71*	0.0	0.0	0.0	0.0	0.0
olv72*	0.0	0.0	0.0	0.0	0.0
olv73*	0.0	0.0	0.0	0.0	0.0
olv74*	0.0	0.0	0.0	0.0	0.0
olv75*	0.0	0.0	0.0	0.0	0.0
olv76*	0.0	0.0	0.0	0.0	0.0
olv77*	0.0	0.0	0.0	0.0	0.0
olv78*	0.0	0.0	0.0	0.0	0.0
olv79*	0.0	0.0	0.0	0.0	0.0
olv80*	0.0	0.0	0.0	0.0	0.0
olv81*	0.0	0.0	0.0	0.0	0.0
olv82*	0.0	0.0	0.0	0.0	0.0
olv83*	0.0	0.0	0.0	0.0	0.0
olv84*	0.0	0.0	0.0	0.0	0.0
olv85*	0.0	0.0	0.0	0.0	0.0
olv86*	0.0	0.0	0.0	0.0	0.0
olv87*	0.0	0.0	0.0	0.0	0.0
olv88*	0.0	0.0	0.0	0.0	0.0
olv89*	0.0	0.0	0.0	0.0	0.0
olv90*	0.0	0.0	0.0	0.0	0.0
olv91*	0.0	0.0	0.0	0.0	0.0
olv92*	0.0	0.0	0.0	0.0	0.0
olv93*	0.0	0.0	0.0	0.0	0.0
olv94*	0.0	0.0	0.0	0.0	0.0
olv95*	0.0	0.0	0.0	0.0	0.0
olv96*	0.0	0.0	0.0	0.0	0.0
olv97*	0.0	0.0	0.0	0.0	0.0
olv98*	0.0	0.0	0.0	0.0	0.0
olv99*	0.0	0.0	0.0	0.0	0.0
olv100*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0
olv8*	0.0	0.0	0.0	0.0	0.0
olv9*	0.0	0.0	0.0	0.0	0.0
olv10*	0.0	0.0	0.0	0.0	0.0
olv11*	0.0	0.0	0.0	0.0	0.0
olv12*	0.0	0.0	0.0	0.0	0.0
olv13*	0.0	0.0	0.0	0.0	0.0
olv14*	0.0	0.0	0.0	0.0	0.0
olv15*	0.0	0.0	0.0	0.0	0.0
olv16*	0.0	0.0	0.0	0.0	0.0
olv17*	0.0	0.0	0.0	0.0	0.0
olv18*	0.0	0.0	0.0	0.0	0.0
olv19*	0.0	0.0	0.0	0.0	0.0
olv20*	0.0	0.0	0.0	0.0	0.0
olv21*	0.0	0.0	0.0	0.0	0.0
olv22*	0.0	0.0	0.0	0.0	0.0
olv23*	0.0	0.0	0.0	0.0	0.0
olv24*	0.0	0.0	0.0	0.0	0.0
olv25*	0.0	0.0	0.0	0.0	0.0
olv26*	0.0	0.0	0.0	0.0	0.0
olv27*	0.0	0.0	0.0	0.0	0.0
olv28*	0.0	0.0	0.0	0.0	0.0
olv29*	0.0	0.0	0.0	0.0	0.0
olv30*	0.0	0.0	0.0	0.0	0.0
olv31*	0.0	0.0	0.0	0.0	0.0
olv32*	0.0	0.0	0.0	0.0	0.0
olv33*	0.0	0.0	0.0	0.0	0.0
olv34*	0.0	0.0	0.0	0.0	0.0
olv35*	0.0	0.0	0.0	0.0	0.0
olv36*	0.0	0.0	0.0	0.0	0.0
olv37*	0.0	0.0	0.0	0.0	0.0
olv38*	0.0	0.0	0.0	0.0	0.0
olv39*	0.0	0.0	0.0	0.0	0.0
olv40*	0.0	0.0	0.0	0.0	0.0
olv41*	0.0	0.0	0.0	0.0	0.0
olv42*	0.0	0.0	0.0	0.0	0.0
olv43*	0.0	0.0	0.0	0.0	0.0
olv44*	0.0	0.0	0.0	0.0	0.0
olv45*	0.0	0.0	0.0	0.0	0.0
olv46*	0.0	0.0	0.0	0.0	0.0
olv47*	0.0	0.0	0.0	0.0	0.0
olv48*	0.0	0.0	0.0	0.0	0.0
olv49*	0.0	0.0	0.0	0.0	0.0
olv50*	0.0	0.0	0.0	0.0	0.0
olv51*	0.0	0.0	0.0	0.0	0.0
olv52*	0.0	0.0	0.0	0.0	0.0
olv53*	0.0	0.0	0.0	0.0	0.0
olv54*	0.0	0.0	0.0	0.0	0.0
olv55*	0.0	0.0	0.0	0.0	0.0
olv56*	0.0	0.0	0.0	0.0	0.0
olv57*	0.0	0.0	0.0	0.0	0.0
olv58*	0.0	0.0	0.0	0.0	0.0
olv59*	0.0	0.0	0.0	0.0	0.0
olv60*	0.0	0.0	0.0	0.0	0.0
olv61*	0.0	0.0	0.0	0.0	0.0
olv62*	0.0	0.0	0.0	0.0	0.0
olv63*	0.0	0.0	0.0	0.0	0.0
olv64*	0.0	0.0	0.0	0.0	0.0
olv65*	0.0	0.0	0.0	0.0	0.0
olv66*	0.0	0.0	0.0	0.0	0.0
olv67*	0.0	0.0	0.0	0.0	0.0
olv68*	0.0	0.0	0.0	0.0	0.0
olv69*	0.0	0.0	0.0	0.0	0.0
olv70*	0.0	0.0	0.0	0.0	0.0
olv71*	0.0	0.0	0.0	0.0	0.0
olv72*	0.0	0.0	0.0	0.0	0.0
olv73*	0.0	0.0	0.0	0.0	0.0
olv74*	0.0	0.0	0.0	0.0	0.0
olv75*	0.0	0.0	0.0	0.0	0.0
olv76*	0.0	0.0	0.0	0.0	0.0
olv77*	0.0	0.0	0.0	0.0	0.0
olv78*	0.0	0.0	0.0	0.0	0.0
olv79*	0.0	0.0	0.0	0.0	0.0
olv80*	0.0	0.0	0.0	0.0	0.0
olv81*	0.0	0.0	0.0	0.0	0.0
olv82*	0.0	0.0	0.0	0.0	0.0
olv83*	0.0	0.0	0.0	0.0	0.0
olv84*	0.0	0.0	0.0	0.0	0.0
olv85*	0.0	0.0	0.0	0.0	0.0
olv86*	0.0	0.0	0.0	0.0	0.0
olv87*	0.0	0.0	0.0	0.0	0.0
olv88*	0.0	0.0	0.0	0.0	0.0
olv89*	0.0	0.0	0.0	0.0	0.0
olv90*	0.0	0.0	0.0	0.0	0.0
olv91*	0.0	0.0	0.0	0.0	0.0
olv92*	0.0	0.0	0.0	0.0	0.0
olv93*	0.0	0.0	0.0	0.0	0.0
olv94*	0.0	0.0	0.0	0.0	0.0
olv95*	0.0	0.0	0.0	0.0	0.0
olv96*	0.0	0.0	0.0	0.0	0.0
olv97*	0.0	0.0	0.0	0.0	0.0
olv98*	0.0	0.0	0.0	0.0	0.0
olv99*	0.0	0.0	0.0	0.0	0.0
olv100*	0.0	0.0	0.0	0.0	0.0

LAB* <i>TCh</i> a	87.5	7.46	162.24
relative CIELAB <i>lab</i> *			
<i>lab</i> * <i>lab</i>	0.949	-0.237	0.076
<i>lab</i> * <i>tch</i>	0.875	0.25	0.451
<i>lab</i> * <i>nch</i>	0.0	0.25	0.451
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.949	-0.249	0.0
<i>lab</i> * <i>tce</i>	0.875	0.25	0.5
<i>lab</i> * <i>nCe</i>	0.0	0.25	g00b

BAM-Registrierung: 20060101-NG58/10/L158G09NP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
/NG58/ Form: 10/10 Serie: 1/1 Seite: 10 Seitenzahl: 10