

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 35/360 = 0.097$

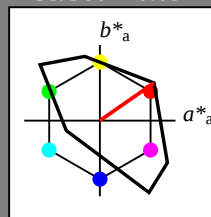
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten					
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	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*	1.0	1.0	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	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	21.81	34.85
relative CIELAB <i>lab</i> *			
<i>lab</i> * <i>lab</i>	0.862	0.205	0.143
<i>lab</i> * <i>tch</i>	0.875	0.25	0.097
<i>lab</i> * <i>nch</i>	0.0	0.25	0.097
relative Natural Colour (NC)			
<i>lab</i> * <i>lrj</i>	0.862	0.244	0.055
<i>lab</i> * <i>tce</i>	0.875	0.25	0.035
<i>lab</i> * <i>nCe</i>	0.0	0.25	r14j

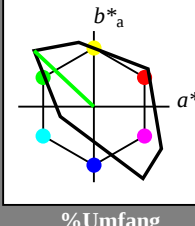
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 137/360 = 0.38$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 118$

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (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

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

standard and adapted CIELAB

LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 37.37 0.0 0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

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

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
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%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 70$

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 0.5 0.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 89.7 -39.48 36.96
LAB*LABa 89.7 -39.48 36.96
LAB*LABb 89.7 -39.48 36.96

relative CIELAB lab*

lab*lab 0.926 -0.364 0.342
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.926 -0.364 0.342
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 70.36 -39.48 36.97
LAB*LABa 70.36 -39.48 36.97
LAB*LABb 70.36 -39.48 36.97

relative CIELAB lab*

lab*lab 0.639 -0.546 0.512
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.639 -0.546 0.512
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 51.01 -39.48 36.96
LAB*LABa 51.01 -39.48 36.96
LAB*LABb 51.01 -39.48 36.96

relative CIELAB lab*

lab*lab 0.426 -0.364 0.342
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.426 -0.364 0.342
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 34.51 -19.73 18.48
LAB*LABa 34.51 -19.73 18.48
LAB*LABb 34.51 -19.73 18.48

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (1.0)
olv4* 0.5 0.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 86.85 -22.22 55.45
LAB*LABa 86.85 -22.22 55.45
LAB*LABb 86.85 -22.22 55.45

relative CIELAB lab*

lab*lab 0.889 -0.426 0.269
lab*ch 0.625 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.889 -0.426 0.269
lab*ch 0.625 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 67.5 -59.22 55.45
LAB*LABa 67.5 -59.22 55.45
LAB*LABb 67.5 -59.22 55.45

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 45.38 -78.96 73.93
LAB*LABa 45.38 -78.96 73.93
LAB*LABb 45.38 -78.96 73.93

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa 37.51 81.14 136.89
LAB*LABb 37.51 81.14 136.89

relative CIELAB lab*

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.589 -0.426 0.269
lab*ch 0.375 0.0 0.0
lab*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 37.51 81.14 136.89
LAB*LABa

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$

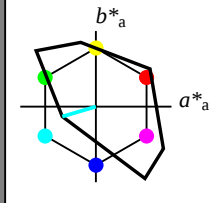
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 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 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*LABb 91.27 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.946 -0.478 -0.141
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.946 -0.44 -0.235
lab*tc 0.75 0.5 0.546
lab*ncc 0.0 0.5 0.546

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 (0.75)
cmyn4* 0.5 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 71.93 -22.2 -6.55

relative CIELAB lab*
lab*lab 0.697 -0.44 -0.235
lab*ch 0.697 -0.44 -0.235
lab*nch 0.25 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.697 -0.44 -0.235
lab*tc 0.697 -0.44 -0.235
lab*ncc 0.25 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 50.00 46.31 196.46
LAB*LABa 50.00 46.31 196.46
LAB*LABb 50.00 46.31 196.46

relative CIELAB lab*
lab*lab 0.67 -0.718 -0.211
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.67 -0.66 -0.353
lab*tc 0.375 0.75 0.546
lab*ncc 0.25 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.25 1.0 1.0 (0.5)
cmyn4* 1.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*LABb 89.2 -33.3 -9.83

relative CIELAB lab*
lab*lab 0.92 -0.718 -0.211
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.92 -0.66 -0.353
lab*tc 0.625 0.75 0.546
lab*ncc 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 1.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 87.13 -44.4 -13.11
LAB*LABa 87.13 -44.4 -13.11
LAB*LABb 87.13 -44.4 -13.11

relative CIELAB lab*
lab*lab 0.893 -0.958 -0.282
lab*ch 0.5 1.0 0.546
lab*nch 0.0 1.0 0.546
relative Natural Colour (NC)
lab*tr 0.893 -0.881 -0.47
lab*tc 0.5 1.0 0.546
lab*ncc 0.0 1.0 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 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 56.71 2.24 2.14
LAB*LABa 56.71 2.24 2.14
LAB*LABb 56.71 2.24 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.25 0.656
lab*ncc 0.0 0.25 0.656

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 0.25 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.67 -0.718 -0.211
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.67 -0.66 -0.353
lab*tc 0.375 0.75 0.546
lab*ncc 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 0.25 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

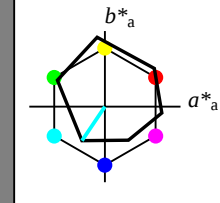
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 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 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 56.71 2.24 2.14
LAB*LABa 56.71 2.24 2.14
LAB*LABb 56.71 2.24 2.14

relative CIELAB lab*
lab*lab 0.631 -0.139 -0.206
lab*ch 0.5 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*tr 0.631 -0.123 -0.216
lab*tc 0.5 0.25 0.656
lab*ncc 0.0 0.25 0.656

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 0.25 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 0.5 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.0 1.0 1.0 (0.5)
cmyn4* 0.25 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 25.01 23.15 196.46
LAB*LABa 25.01 23.15 196.46
LAB*LABb 25.01 23.15 196.46

relative CIELAB lab*
lab*lab 0.447 -0.478 -0.141
lab*ch 0.25 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.447 -0.44 -0.235
lab*tc 0.25 0.5 0.546
lab*ncc 0.0 0.5 0.546

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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 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

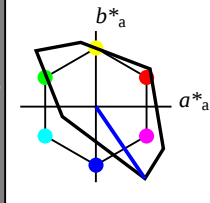
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 304/360 = 0.845$

lab^*ch und lab^*nch

D65: Buntton V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0

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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 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 (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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 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 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.42 16.22 -23.75
LAB*LABa 80.42 16.22 -23.75
LAB*LABb 87.5 28.77 304.33

relative CIELAB lab*
lab*lab 0.806 0.141 -0.205
lab*ch 0.875 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.806 0.109 -0.224
lab*tc 0.875 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.75 (1.0)
olv4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 61.08 16.23 -23.76
LAB*LABa 61.08 16.23 -23.76
LAB*LABb 62.5 28.78 304.33

relative CIELAB lab*
lab*lab 0.556 0.109 -0.224
lab*ch 0.625 0.25 0.824
lab*nch 0.0 0.25 0.824
relative Natural Colour (NC)
lab*tr 0.556 0.109 -0.224
lab*tc 0.625 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.75 0.75 1.0 (0.5)
cmyn4* 0.25 0.25 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 41.73 16.23 -23.76
LAB*LABa 41.73 16.23 -23.76
LAB*LABb 37.5 28.78 304.33

relative CIELAB lab*
lab*lab 0.306 0.141 -0.205
lab*ch 0.375 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.306 0.109 -0.224
lab*tc 0.375 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.75 (0.0)
olv4* 0.75 0.75 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 22.38 16.22 -23.75
LAB*LABa 22.38 16.22 -23.75
LAB*LABb 12.5 28.77 304.33

relative CIELAB lab*
lab*lab 0.056 0.141 -0.205
lab*ch 0.125 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.056 0.109 -0.224
lab*tc 0.125 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.50$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olv3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 1.0 (1.0)
olv4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*LABa 65.44 32.45 -47.52
LAB*LABb 65.0 30.0 304.33

relative CIELAB lab*
lab*lab 0.613 0.282 -0.412
lab*ch 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.613 0.217 -0.449
lab*tc 0.75 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.5 0.5 1.0 (0.75)
cmyn4* 0.5 0.5 1.0 (0.75)
standard and adapted CIELAB
LAB*LAB 46.09 32.46 -47.53
LAB*LABa 46.09 32.46 -47.53
LAB*LABb 50.0 30.0 304.33

relative CIELAB lab*
lab*lab 0.419 0.423 -0.618
lab*ch 0.625 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.419 0.326 -0.674
lab*tc 0.625 0.75 0.824
lab*ncc 0.0 0.75 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olv4* 0.25 0.25 1.0 (0.75)
cmyn4* 0.75 0.75 0.25 (0.75)
standard and adapted CIELAB
LAB*LAB 31.11 48.68 -71.28
LAB*LABa 31.11 48.68 -71.28
LAB*LABb 37.51 28.78 304.33

relative CIELAB lab*
lab*lab 0.169 0.423 -0.618
lab*ch 0.375 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.169 0.326 -0.674
lab*tc 0.375 0.75 0.824
lab*ncc 0.0 0.75 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 0.5 0.5 1.0 (0.5)
cmyn4* 0.5 0.5 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 26.75 32.45 -47.52
LAB*LABa 26.75 32.45 -47.52
LAB*LABb 25.01 30.0 304.33

relative CIELAB lab*
lab*lab 0.113 0.282 -0.412
lab*ch 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.113 0.217 -0.449
lab*tc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Buntheit c^*

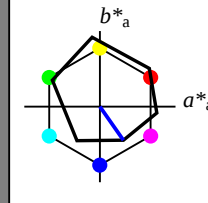
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0

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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 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 56.71 0.24 2.14
LAB*LABa 56.71 0.24 2.14
LAB*LABb 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 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 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.88
LAB*LABa 37.36 0.13 0.88
LAB*LABb 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 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 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.42 16.22 -23.75
LAB*LABa 80.42 16.22 -23.75
LAB*LABb 87.5 28.77 305.0

relative CIELAB lab*
lab*lab 0.806 0.143 -0.204
lab*ch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.806 0.112 -0.222
lab*tc 0.875 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.75 (1.0)
olv4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 58.64 7.99 -8.82
LAB*LABa 58.64 7.99 -8.82
LAB*LABb 62.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.525 0.143 -0.204
lab*ch 0.625 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.525 0.112 -0.222
lab*tc 0.625 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.75 0.75 0.25 (0.0)
olv4* 0.75 0.75 1.0 (0.5)
cmyn4* 0.25 0.25 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 41.22 15.56 -21.1
LAB*LABa 41.22 15.56 -21.1
LAB*LABb 50.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.325 0.43 -0.613
lab*ch 0.525 0.75 0.847
lab*nch 0.0 0.75 0.847
relative Natural Colour (NC)
lab*tr 0.325 0.337 -0.669
lab*tc 0.525 0.75 0.824
lab*ncc 0.0 0.75 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olv4* 0.25 0.25 1.0 (0.75)
cmyn4* 0.75 0.75 0.25 (0.75)
standard and adapted CIELAB
LAB*LAB 23.8 23.71 33.37
LAB*LABa 23.8 23.71 33.37
LAB*LABb 25.01 30.0 305.0

relative CIELAB lab*
lab*lab 0.055 0.287 -0.408
lab*ch 0.25 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*tr 0.055 0.225 -0.446
lab*tc 0.25 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olv4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.42 16.22 -23.75
LAB*LABa 80.42 16.22 -23.75
LAB*LABb 87.5 28.77 305.0

relative CIELAB lab*
lab*lab 0.806 0.143 -0.204
lab*ch 0.875 0.25 0.847
lab*nch 0.0 0.25 0.847
relative Natural Colour (NC)
lab*tr 0.806 0.112 -0.222
lab*tc 0.875 0.25 0.824
lab*ncc 0.0 0.25 0.824

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.75 (1.0)
olv4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.5 0.5 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 58.64 7.99 -8.82
LAB*LABa 58.64 7.99 -8.82
LAB*LABb 62.5 13.55 305.0

relative CIELAB lab*
lab*lab 0.5

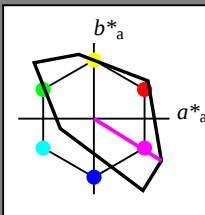
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$

lab^*tch und lab^*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 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*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 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*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 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*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.31 22.32 -13.9
LAB*LABa 86.31 22.32 -13.9
LAB*LABb 87.5 26.31 328.06

relative CIELAB lab*
lab*lab 0.882 0.212 -0.131
lab*tch 0.875 0.25 0.911
lab*nch 0.0 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.882 0.175 -0.177
lab*tce 0.875 0.25 0.911
lab*nce 0.0 0.25 0.911

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.96 22.33 -13.91
LAB*LABa 66.96 22.33 -13.91
LAB*LABb 62.5 26.32 328.06

relative CIELAB lab*
lab*lab 0.632 0.212 -0.131
lab*tch 0.625 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.632 0.175 -0.177
lab*tce 0.625 0.25 0.911
lab*nce 0.25 0.25 0.911

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 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.61 22.33 -13.91
LAB*LABa 47.61 22.33 -13.91
LAB*LABb 47.5 26.32 328.06

relative CIELAB lab*
lab*lab 0.382 0.212 -0.131
lab*tch 0.375 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.382 0.175 -0.177
lab*tce 0.375 0.25 0.911
lab*nce 0.25 0.25 0.911

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olv4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.1 22.33 -13.91
LAB*LABa 35.1 22.33 -13.91
LAB*LABb 35.0 26.32 328.06

relative CIELAB lab*
lab*lab 0.132 0.212 -0.131
lab*tch 0.125 0.25 0.911
lab*nch 0.25 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.132 0.175 -0.177
lab*tce 0.125 0.25 0.911
lab*nce 0.25 0.25 0.911

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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 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*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.50$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

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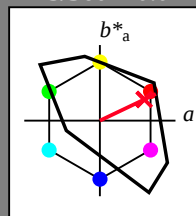
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit t^* 

TLS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olv3*	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)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.25	0.25	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.25	0.25	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.25	0.25	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.25	0.25	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.25	0.25	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.25	0.25	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.25	0.25	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.25	0.25	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.25	0.25	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.25	0.25	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.25	0.25	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.25	0.25	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.25	0.25	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.25	0.25	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.125	0.125	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.125	0.125	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.125	0.125	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.125	0.125	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.125	0.125	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.125	0.125	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.125	0.125	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.125	0.125	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.125	0.125	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.25	0.25	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.25	0.25	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.25	0.25	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.25	0.25	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.25	0.25	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.25	0.25	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.25	0.25	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.25	0.25	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.25	0.25	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.25	0.25	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.25	0.25	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.25	0.25	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.25	0.25	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.25	0.25	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.25	0.25	(0.0)

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv4*	0.0	0.125	0.125	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.125	0.125	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.125	0.125	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.125	0.125	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.125	0.125	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.125	0.125	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.125	0.125	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.125	0.125	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.125	0.125	(0.0)

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv4*	0.0	0.125	0.125	(0.0)
olv5*	0.0	0.75	0.75	(1.0)
olv6*	0.0	0.125	0.125	(0.0)
olv7*	0.0	0.75	0.75	(1.0)
olv8*	0.0	0.125	0.125	(0.0)
olv9*	0.0	0.75	0.75	(1.0)
olv10*	0.0	0.125	0.125	(0.0)
olv11*	0.0	0.75	0.75	(1.0)
olv12*	0.0	0.125	0.125	(0.0)
olv13*	0.0	0.75	0.75	(1.0)
olv14*	0.0	0.125	0.125	(0.0)
olv15*	0.0	0.75	0.75	(1.0)
olv16*	0.0	0.125	0.125	(0.0)
olv17*	0.0	0.75	0.75	(1.0)
olv18*	0.0	0.125	0.125	(0.0)
olv19*	0.0	0.75	0.75	(1.0)
olv20*	0.0	0.125	0.125	(0.0)

relative Inform. Technology (IT)

<i>lab*ich</i>	0.625	0.25	0.071
<i>lab*nch</i>	0.25	0.25	0.071
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.615	0.25	0.0
<i>lab*tce</i>	0.625	0.25	1.0
<i>lab*ncE</i>	0.25	0.25	b99r

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

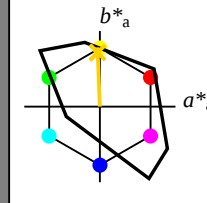
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 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 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 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 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 1.0 0.954 0.75 (1.0)
cmyn3* 0.0 0.046 0.25 (0.0)
olv4* 1.0 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.9 -0.79 19.62
LAB*LABa 92.9 -0.79 19.62
LAB*LABb 87.5 19.64 92.33

relative CIELAB lab*
lab*lab 0.954 -0.009 0.25
lab*ich 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*lab 0.954 0.0 0.25
lab*ich 0.875 0.25 0.256
lab*nch 0.0 0.25 0.256

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 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.55 -0.78 19.63
LAB*LABa 73.55 -0.78 19.63
LAB*LABb 62.5 19.64 92.31

relative CIELAB lab*
lab*lab 0.718 -0.009 0.25
lab*ich 0.625 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*lab 0.718 0.0 0.25
lab*ich 0.625 0.25 0.256
lab*nch 0.0 0.25 0.256

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 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 54.2 -0.78 19.63
LAB*LABa 54.2 -0.78 19.63
LAB*LABb 37.5 19.64 92.31

relative CIELAB lab*
lab*lab 0.468 -0.009 0.25
lab*ich 0.375 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*lab 0.468 0.0 0.25
lab*ich 0.375 0.25 0.256
lab*nch 0.0 0.25 0.256

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 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 34.85 -0.78 19.62
LAB*LABa 34.85 -0.78 19.62
LAB*LABb 12.5 19.64 92.31

relative CIELAB lab*
lab*lab 0.218 -0.009 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*lab 0.218 0.0 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
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	58.74	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

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olv3* 1.0 0.908 0.5 (1.0)
cmyn3* 0.0 0.092 0.5 (0.0)
olv4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.39 -1.58 39.25
LAB*LABa 90.39 -1.58 39.25
LAB*LABb 75.0 39.29 92.32

relative CIELAB lab*
lab*lab 0.935 -0.019 0.499
lab*ich 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*lab 0.935 0.0 0.5
lab*ich 0.75 0.5 0.256
lab*nch 0.0 0.5 0.256

relative Inform. Technology (IT)

olv3* 0.75 0.612 0.0 (1.0)
cmyn3* 0.25 0.342 0.75 (0.0)
olv4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.05 -1.58 39.26
LAB*LABa 71.05 -1.58 39.26
LAB*LABb 50.0 39.29 92.31

relative CIELAB lab*
lab*lab 0.685 -0.019 0.5
lab*ich 0.5 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*lab 0.685 0.0 0.5
lab*ich 0.5 0.5 0.256
lab*nch 0.0 0.5 0.256

relative Inform. Technology (IT)

olv3* 0.25 0.342 0.75 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 51.7 -1.57 39.25
LAB*LABa 51.7 -1.57 39.25
LAB*LABb 25.01 39.28 92.31

relative CIELAB lab*
lab*lab 0.435 -0.019 0.499
lab*ich 0.25 0.5 0.256
lab*nch 0.0 0.5 0.256
relative Natural Colour (NC)
lab*lab 0.435 0.0 0.5
lab*ich 0.25 0.5 0.256
lab*nch 0.0 0.5 0.256

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)

olv3* 1.0 0.862 0.25 (1.0)
cmyn3* 0.0 0.138 0.75 (0.0)
olv4* 1.0 0.862 0.25 (1.0)
cmyn4* 0.0 0.138 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 87.89 -2.38 58.88
LAB*LABa 87.89 -2.38 58.88
LAB*LABb 62.5 58.93 92.32

relative CIELAB lab*
lab*lab 0.903 -0.029 0.749
lab*ich 0.625 0.75 0.256
lab*nch 0.0 0.75 0.256
relative Natural Colour (NC)
lab*lab 0.903 0.0 0.75
lab*ich 0.625 0.75 0.256
lab*nch 0.0 0.75 0.256

relative Inform. Technology (IT)

olv3* 0.75 0.612 0.0 (1.0)
cmyn3* 0.25 0.342 0.75 (0.0)
olv4* 1.0 0.862 0.25 (1.0)
cmyn4* 0.0 0.138 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 68.54 -2.37 58.88
LAB*LABa 68.54 -2.37 58.88
LAB*LABb 50.0 58.93 92.31

relative CIELAB lab*
lab*lab 0.653 -0.029 0.749
lab*ich 0.375 0.75 0.256
lab*nch 0.0 0.75 0.256
relative Natural Colour (NC)
lab*lab 0.653 0.0 0.75
lab*ich 0.375 0.75 0.256
lab*nch 0.0 0.75 0.256

relative Inform. Technology (IT)

olv3* 0.25 0.342 0.75 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.862 0.25 (1.0)
cmyn4* 0.0 0.138 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.01 0.01 0.0

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

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 1.0$

relative Buntheit c^*

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

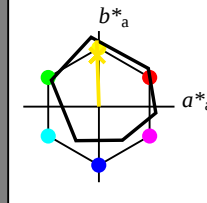
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 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 0.75 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*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 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 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 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 37.36 0.0 0.0
LAB*LABa 37.36 0.0 0.0
LAB*LABb 25.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 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 35.06 -0.69 21.91
LAB*LABa 35.06 -0.69 21.91
LAB*LABb 12.5 21.92 91.83

relative CIELAB lab*
lab*lab 0.44 -0.007 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256
relative Natural Colour (NC)
lab*lab 0.44 0.0 0.25
lab*ich 0.125 0.25 0.256
lab*nch 0.0 0.25 0.256

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.01 0.01 0.0

output: *Startup* (S) data dependend

