

BAM-Prüfvorlage NG55; Farbmérik-Systeme ORS18 & ORS18input: *olv* setrgbcolor*
D65; 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *Startup (S) data dependend*

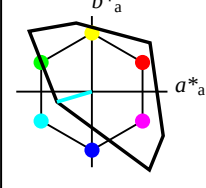
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 158$

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0
LAB*LABc	95.41	0.0	0.0
LAB*LABd	95.41	0.0	0.0
LAB*LABe	95.41	0.0	0.0
LAB*LABf	95.41	0.0	0.0
LAB*LABg	95.41	0.0	0.0
LAB*LABh	95.41	0.0	0.0
LAB*LABi	95.41	0.0	0.0
LAB*LABj	95.41	0.0	0.0
LAB*LABk	95.41	0.0	0.0
LAB*LABl	95.41	0.0	0.0
LAB*LABm	95.41	0.0	0.0
LAB*LABn	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*LABp	95.41	0.0	0.0
LAB*LABq	95.41	0.0	0.0
LAB*LABr	95.41	0.0	0.0
LAB*LABs	95.41	0.0	0.0
LAB*LABt	95.41	0.0	0.0
LAB*LABu	95.41	0.0	0.0
LAB*LABv	95.41	0.0	0.0
LAB*LABw	95.41	0.0	0.0
LAB*LABx	95.41	0.0	0.0
LAB*LABy	95.41	0.0	0.0
LAB*LABz	95.41	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*labch	0.0	0.0	0.0
lab*labnch	0.0	0.0	0.0
lab*labc	0.0	0.0	0.0
lab*labd	0.0	0.0	0.0
lab*labf	0.0	0.0	0.0
lab*labg	0.0	0.0	0.0
lab*labh	0.0	0.0	0.0
lab*labi	0.0	0.0	0.0
lab*labj	0.0	0.0	0.0
lab*labk	0.0	0.0	0.0
lab*labl	0.0	0.0	0.0
lab*labm	0.0	0.0	0.0
lab*labn	0.0	0.0	0.0
lab*labo	0.0	0.0	0.0
lab*labp	0.0	0.0	0.0
lab*labq	0.0	0.0	0.0
lab*labr	0.0	0.0	0.0
lab*labt	0.0	0.0	0.0
lab*labu	0.0	0.0	0.0
lab*labv	0.0	0.0	0.0
lab*labw	0.0	0.0	0.0
lab*labx	0.0	0.0	0.0
lab*labz	0.0	0.0	0.0

relative CIELAB lab*			
lab*lab	0.75	0.0	0.0
lab*ich	0.75	0.0	—
lab*nch	0.25	0.0	—
relative Natural Colour (NC)			
lab*lrj	0.75	0.0	0.0
lab*ice	0.75	0.0	—
lab*nce	0.25	0.0	—

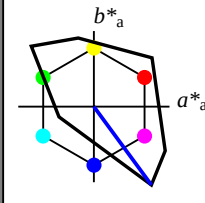
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

lab^*ch 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*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

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

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

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

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

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

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

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

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

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.9 38.02 -51.78
LAB*LABa 62.9 38.02 -51.78
LAB*LABb 62.9 38.02 -51.78
LAB*LABc 62.9 38.02 -51.78

relative CIELAB lab*
lab*lab 0.639 0.296 -0.402
lab*ch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*trj 0.639 0.23 -0.443
lab*trc 0.75 0.5 0.826
lab*ncc 0.0 0.5 0.830

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 39.05 38.03 -51.79
LAB*LABa 39.05 38.03 -51.79
LAB*LABb 39.05 38.03 -51.79
LAB*LABc 39.05 38.03 -51.79

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*ch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*trc 0.625 0.75 0.826
lab*ncc 0.0 0.75 0.830

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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 15.21 38.02 -51.78
LAB*LABa 15.21 38.02 -51.78
LAB*LABb 15.21 38.02 -51.78
LAB*LABc 15.21 38.02 -51.78

relative CIELAB lab*
lab*lab 0.159 0.23 -0.443
lab*ch 0.25 0.5 0.826
lab*nch 0.0 0.5 0.830
relative Natural Colour (NC)
lab*trj 0.159 0.23 -0.443
lab*trc 0.25 0.5 0.826
lab*ncc 0.0 0.5 0.830

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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.08 0.148 -0.2
LAB*LABa 0.125 0.25 0.851
LAB*LABb 0.125 0.25 0.851
LAB*LABc 0.125 0.25 0.851

relative CIELAB lab*
lab*lab 0.08 0.148 -0.2
lab*ch 0.125 0.25 0.851
lab*nch 0.0 0.25 0.851
relative Natural Colour (NC)
lab*trj 0.08 0.148 -0.2
lab*trc 0.125 0.25 0.826
lab*ncc 0.0 0.25 0.830

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 46.64 57.04 -77.68
LAB*LABa 46.64 57.04 -77.68
LAB*LABb 46.64 57.04 -77.68
LAB*LABc 46.64 57.04 -77.68

relative CIELAB lab*
lab*lab 0.489 0.444 -0.603
lab*ch 0.625 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.489 0.344 -0.665
lab*trc 0.625 0.75 0.826
lab*ncc 0.0 0.75 0.830

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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 30.39 76.04 -103.59
LAB*LABa 30.39 76.04 -103.59
LAB*LABb 30.39 76.04 -103.59
LAB*LABc 30.39 76.04 -103.59

relative CIELAB lab*
lab*lab 0.318 0.459 -0.887
lab*ch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*trj 0.318 0.459 -0.887
lab*trc 0.5 1.0 0.826
lab*ncc 0.0 1.0 0.830

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 19.94 7.77 -11.09
LAB*LABa 19.94 7.77 -11.09
LAB*LABb 19.94 7.77 -11.09
LAB*LABc 19.94 7.77 -11.09

relative CIELAB lab*
lab*lab 0.239 0.444 -0.603
lab*ch 0.375 0.75 0.851
lab*nch 0.0 0.75 0.851
relative Natural Colour (NC)
lab*trj 0.239 0.444 -0.665
lab*trc 0.375 0.75 0.826
lab*ncc 0.0 0.75 0.830

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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

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

$n^* = 0.00$

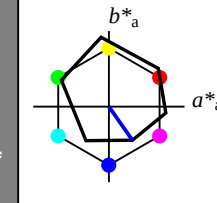
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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

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

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

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

relative Inform. Technology (IT)
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 56.71 0.24 2.14
LAB*LABa 56.71 0.24 2.14
LAB*LABb 56.71 0.24 2.14
LAB*LABc 56.71 0.24 2.14

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

relative Inform. Technology (IT)
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 39.29 7.87 -10.13
LAB*LABa 39.29 7.87 -10.13
LAB*LABb 39.29 7.87 -10.13
LAB*LABc 39.29 7.87 -10.13

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.0 (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 19.94 7.77 -11.09
LAB*LABa 19.94 7.77 -11.09
LAB*LABb 19.94 7.77 -11.09
LAB*LABc 19.94 7.77 -11.09

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

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LABa 60.56 15.23 -19.79
LAB*LABb 60.56 15.23 -19.79
LAB*LABc 60.56 15.23 -19.79

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*ch 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847
relative Natural Colour (NC)
lab*trj 0.55 0.225 -0.446
lab*trc 0.75 0.5 0.824
lab*ncc 0.0 0.5 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 41.22 15.56 -21.1
LAB*LABa 41.22 15.56 -21.1
LAB*LABb 41.22 15.56 -21.1
LAB*LABc 41.22 15.56 -21.1

relative CIELAB lab*
lab*lab 0.325 0.337 -0.669
lab*ch 0.625 0.75 0.824
lab*nch 0.0 0.75 0.824
relative Natural Colour (NC)
lab*trj 0.325 0.337 -0.669
lab*trc 0.625 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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 23.87 31.44 -44.34
LAB*LABa 23.87 31.44 -44.34
LAB*LABb 23.87 31.44 -44.34
LAB*LABc 23.87 31.44 -44.34

relative CIELAB lab*
lab*lab 0.1 0.449 -0.892
lab*ch 0.5 1.0 0.847
lab*nch 0.0 1.0 0.847
relative Natural Colour (NC)
lab*trj 0.1 0.449 -0.892
lab*trc 0.5 1.0 0.824
lab*ncc 0.0 1.0 0.824

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 19.94 7.77 -11.09
LAB*LABa 19.94 7.77 -11.09
LAB*LABb 19.94 7.77 -11.09
LAB*LABc 19.94 7.77 -11.09

relative CIELAB lab*
lab*lab 0.275 0.43 -0.613
lab*ch 0.375 0.75 0.847
lab*nch 0.0 0.75 0.847
relative Natural Colour (NC)
lab*trj 0.275 0.43 -0.613
lab*trc 0.375 0.75 0.824
lab*ncc 0.0 0.75 0.824

$n^* = 0.00$

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 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.02 0.0 0.0
LAB*LABc 18.02 0.0 0.0

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

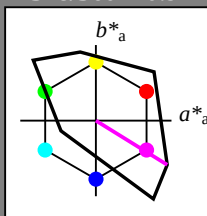
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 328/360 = 0.912$ lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 57 111 328

olv*Ma: 1.0 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*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*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 71.57 0.0 0.0

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 0.0 0.0

LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*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 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*LABb 47.72 0.0 0.0

LAB*LABc 47.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*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 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 0.0 0.0

LAB*LABc 23.87 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.0 0.0

lab*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 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*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

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*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

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 85.88 23.58 -14.59

LAB*LABa 85.88 23.58 -14.59

LAB*LABb 85.88 23.58 -14.59

LAB*LABc 85.88 23.58 -14.59

relative CIELAB lab*

lab*lab 0.9 0.212 -0.131

lab*tch 0.875 0.25 0.912

lab*nch 0.0 0.25 0.912

relative Natural Colour (NC)

lab*trj 0.9 0.176 -0.177

lab*tce 0.875 0.25 0.912

lab*nce 0.0 0.25 0.912

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 62.03 23.59 -14.6

LAB*LABa 62.03 23.59 -14.6

LAB*LABb 62.03 23.59 -14.6

LAB*LABc 62.03 23.59 -14.6

relative CIELAB lab*

lab*lab 0.6 0.213 -0.131

lab*tch 0.625 0.25 0.912

lab*nch 0.0 0.25 0.912

relative Natural Colour (NC)

lab*trj 0.6 0.176 -0.177

lab*tce 0.625 0.25 0.912

lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)

olv3* 0.5 0.25 0.5 (1.0)

cmyn3* 0.5 0.75 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 38.18 23.59 -14.6

LAB*LABa 38.18 23.59 -14.6

LAB*LABb 38.18 23.59 -14.6

LAB*LABc 38.18 23.59 -14.6

relative CIELAB lab*

lab*lab 0.4 0.213 -0.131

lab*tch 0.375 0.25 0.912

lab*nch 0.0 0.25 0.912

relative Natural Colour (NC)

lab*trj 0.4 0.176 -0.177

lab*tce 0.375 0.25 0.912

lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)

olv3* 0.25 0.0 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 28.66 47.17 -29.19

LAB*LABa 28.66 47.17 -29.19

LAB*LABb 28.66 47.17 -29.19

LAB*LABc 28.66 47.17 -29.19

relative CIELAB lab*

lab*lab 0.15 0.212 -0.131

lab*tch 0.125 0.25 0.912

lab*nch 0.0 0.25 0.912

relative Natural Colour (NC)

lab*trj 0.15 0.176 -0.177

lab*tce 0.125 0.25 0.912

lab*nce 0.0 0.25 0.912

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*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

TLS00; adaptierte CIELAB-Daten

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

%Regularität

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

relative Inform. Technology (IT)

olv3* 1.0 0.5 1.0 (1.0)

cmyn3* 0.0 0.5 0.0 (0.0)

olv4* 1.0 0.5 1.0 (1.0)

cmyn4* 0.0 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.35 47.17 -29.19

LAB*LABa 76.35 47.17 -29.19

LAB*LABb 76.35 47.17 -29.19

LAB*LABc 76.35 47.17 -29.19

relative CIELAB lab*

lab*lab 0.8 0.425 -0.262

lab*tch 0.75 0.5 0.912

lab*nch 0.0 0.5 0.912

relative Natural Colour (NC)

lab*trj 0.8 0.352 -0.354

lab*tce 0.75 0.5 0.912

lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.75 (1.0)

cmyn3* 0.25 0.75 0.25 (0.0)

olv4* 1.0 0.5 1.0 (1.0)

cmyn4* 0.0 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 52.51 47.18 -29.2

LAB*LABa 52.51 47.18 -29.2

LAB*LABb 52.51 47.18 -29.2

LAB*LABc 52.51 47.18 -29.2

relative CIELAB lab*

lab*lab 0.5 0.425 -0.262

lab*tch 0.5 0.5 0.912

lab*nch 0.0 0.5 0.912

relative Natural Colour (NC)

lab*trj 0.5 0.352 -0.354

lab*tce 0.5 0.5 0.912

lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)

cmyn3* 0.5 0.75 0.5 (0.0)

olv4* 1.0 0.25 1.0 (1.0)

cmyn4* 0.0 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 42.98 70.25 -43.8

LAB*LABa 42.98 70.25 -43.8

LAB*LABb 42.98 70.25 -43.8

LAB*LABc 42.98 70.25 -43.8

relative CIELAB lab*

lab*lab 0.45 0.638 -0.394

lab*tch 0.375 0.75 0.912

lab*nch 0.0 0.75 0.912

relative Natural Colour (NC)

lab*trj 0.45 0.528 -0.532

lab*tce 0.45 0.75 0.912

lab*nce 0.0 0.75 0.912

relative Inform. Technology (IT)

olv3* 0.25 0.0 0.25 (1.0)

cmyn3* 0.75 1.0 0.75 (0.0)

olv4* 1.0 0.25 1.0 (1.0)

cmyn4* 0.0 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 28.66 47.17 -29.19

LAB*LABa 28.66 47.17 -29.19

LAB*LABb 28.66 47.17 -29.19

LAB*LABc 28.66 47.17 -29.19

relative CIELAB lab*

lab*lab 0.15 0.425 -0.262

lab*tch 0.125 0.5 0.912

lab*nch 0.0 0.5 0.912

relative Natural Colour (NC)

lab*trj 0.15 0.352 -0.354

lab*tce 0.125 0.5 0.912

lab*nce 0.0 0.5 0.912

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*LABc 0.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*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

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$ $n^* = 12.75$ $n^* = 13.00$ $n^* = 13.25$ $n^* = 13.50$ $n^* = 13.75$ $n^* = 14.00$ $n^* = 14.25$ $n^* = 14.50$ $n^* = 14.75$ $n^* = 15.00$ $n^* = 15.25$ $n^* = 15.50$ $n^* = 15.75$ $n^* = 16.00$ $n^* = 16.25$ $n^* = 16.50$ $n^* = 16.75$ $n^* = 17.00$ $n^* = 17.25$ $n^* = 17.50$ $n^* = 17.75$ $n^* = 18.00$ $n^* = 18.25$ $n^* = 18.50$ $n^* = 18.75$ $n^* = 19.00$ $n^* = 19.25$ $n^* = 19.50$

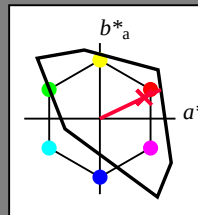
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 158$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 0.0 0.0

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*TCHa 99.99 0.01

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

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 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

LAB*LABa 71.57 0.0 0.0

LAB*LABb 71.57 0.0 0.0

LAB*TCHa 75.00 0.01

relative CIELAB lab*

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

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 (0.5)

cmyn4* 0.0 0.0 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 47.72 0.0 0.0

LAB*LABa 47.72 0.0 0.0

LAB*LABb 47.72 0.0 0.0

LAB*TCHa 50.00 0.01

relative CIELAB lab*

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

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 (0.25)

cmyn4* 0.0 0.0 0.0 (0.75)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 0.0 0.0

LAB*TCHa 25.00 0.01

relative CIELAB lab*

lab*lab 0.25 0.25 0.25 (1.0)

lab*lab 0.25 0.25 0.25 (1.0)

lab*lab 0.25 0.25 0.25 (1.0)

relative Natural Colour (NC)

lab*lab 0.25 0.25 0.25 (1.0)

lab*lab 0.25 0.25 0.25 (1.0)

lab*lab 0.25 0.25 0.25 (1.0)

lab*lab 0.25 0.25 0.25 (1.0)

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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*TCHa 0.00 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*TCHa 0.00 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*TCHa 0.00 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

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 (0.0)

cmyn4* 0.0 0.0 0.0 (1.0)

standard and adapted CIELAB

LAB*LAB 0.03 0.0 0.0

LAB*LABa 0.03 0.0 0.0

LAB*LABb 0.03 0.0 0.0

LAB*TCHa 0.00 0.01

TLS00; adaptierte CIELAB-Daten

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

%Regularität

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

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 (0.5)

cmyn4* 0.0 0.5 0.5 (0.5)

standard and adapted CIELAB

LAB*LAB 84.54 20.15 9.6

LAB*LABa 84.54 20.15 9.6

LAB*LABb 84.54 20.15 9.6

LAB*TCHa 97.5 22.32 25.47

relative CIELAB lab*

lab*lab 0.886 0.25 0.0

lab*lab 0.886 0.25 0.0

lab*lab 0.886 0.25 0.0

relative Natural Colour (NC)

lab*lab 0.886 0.25 0.0

lab*lab 0.886 0.25 0.0

lab*lab 0.886 0.25 0.0

lab*lab 0.886 0.25 0.0

relative Inform. Technology (IT)

olv3* 0.75 0.5 0.5 (1.0)

cmyn3* 0.25 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 (0.75)

cmyn4* 0.0 0.5 0.5 (0.75)

standard and adapted CIELAB

LAB*LAB 60.69 20.16 9.6

LAB*LABa 60.69 20.16 9.6

LAB*LABb 60.69 20.16 9.6

LAB*TCHa 62.5 22.33 25.48

relative CIELAB lab*

lab*lab 0.722 0.5 0.0

lab*lab 0.722 0.5 0.0

lab*lab 0.722 0.5 0.0

relative Natural Colour (NC)

lab*lab 0.722 0.5 0.0

lab*lab 0.722 0.5 0.0

lab*lab 0.722 0.5 0.0

lab*lab 0.722 0.5 0.0

relative Inform. Technology (IT)

olv3* 0.75 0.5 0.5 (1.0)

cmyn3* 0.25 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 (0.75)

cmyn4* 0.0 0.5 0.5 (0.75)

standard and adapted CIELAB

LAB*LAB 49.83 40.31 19.21

LAB*LABa 49.83 40.31 19.21

LAB*LABb 49.83 40.31 19.21

LAB*TCHa 50.0 44.65 25.48

relative CIELAB lab*

lab*lab 0.589 0.677 0.323

lab*lab 0.589 0.677 0.323

lab*lab 0.589 0.677 0.323

relative Natural Colour (NC)

lab*lab 0.589 0.677 0.323

lab*lab 0.589 0.677 0.323

lab*lab 0.589 0.677 0.323

lab*lab 0.589 0.677 0.323

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 1.0 0.5 0.0 (0.5)

cmyn4* 0.0 0.5 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 25.98 40.31 19.21

LAB*LABa 25.98 40.31 19.21

LAB*LABb 25.98 40.31 19.21

LAB*TCHa 25.01 44.65 25.49

relative CIELAB lab*

lab*lab 0.272 0.451 0.215

lab*lab 0.272 0.451 0.215

lab*lab 0.272 0.451 0.215

relative Natural Colour (NC)

lab*lab 0.272 0.451 0.215

lab*lab 0.272 0.451 0.215

lab*lab 0.272 0.451 0.215

lab*lab 0.272 0.451 0.215

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 1.0 0.5 0.0 (0.5)

cmyn4* 0.0 0.5 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 13.0 20.15 9.61

LAB*LABa 13.0 20.15 9.61

LAB*LABb 13.0 20.15 9.61

LAB*TCHa 12.5 22.32 25.5

relative CIELAB lab*

lab*lab 0.136 0.226 0.108

lab*lab 0.136 0.226 0.108

lab*lab 0.136 0.226 0.108

relative Natural Colour (NC)

lab*lab 0.136 0.226 0.108

lab*lab 0.136 0.226 0.108

lab*lab 0.136 0.226 0.108

lab*lab 0.136 0.226 0.108

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 (0.5)

cmyn4* 0.0 0.5 0.5 (0.5)

standard and adapted CIELAB

LAB*LAB 62.81 60.46 28.81

LAB*LABa 62.81 60.46 28.81

LAB*LABb 62.81 60.46 28.81

LAB*TCHa 62.5 66.97 25.48

relative CIELAB lab*

lab*lab 0.625 0.75 0.0

lab*lab 0.625 0.75 0.0

lab*lab 0.625 0.75 0.0

relative Natural Colour (NC)

lab*lab 0.625 0.75 0.0

lab*lab 0.625 0.75 0.0

lab*lab 0.625 0.75 0.0

lab*lab 0.625 0.75 0.0

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.5 (1.0)

cmyn3* 0.0 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 (0.5)

cmyn4* 0.0 0.5 0.5 (0.5)

standard and adapted CIELAB

LAB*LAB 51.94 80.61 38.42

LAB*LABa 51.94 80.61 38.42

LAB*LABb 51.94 80.61 38.42

LAB*TCHa 50.0 89.29 25.48

relative CIELAB lab*

lab*lab 0.544 0.903 0.43

lab*lab 0.544 0.903 0.43

lab*lab 0.544 0.903 0.43

relative Natural Colour (NC)

lab*lab 0.544 0.903 0.43

lab*lab 0.544 0.903 0.43

lab*lab 0.544 0.903 0.43

lab*lab 0.544 0.903 0.43

relative Inform. Technology (IT)

olv3* 0.75 0.0 0.25 (1.0)

cmyn3* 0.25 0.0 0.25 (0.0)

olv4* 1.0 1.0 0.0 (0.5)

cmyn4* 0.0 1.0 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 38.97 60.46 28.82

LAB*LABa 38.97 60.46 28.82

LAB*LABb 38.97 60.46 28.82

LAB*TCHa 37.5 66.98 25.49

relative CIELAB lab*

lab*lab 0.408 0.677 0.323

lab*lab 0.408 0.677 0.323

lab*lab 0.408 0.677 0.323

relative Natural Colour (NC)

lab*lab 0.408 0.677 0.323

lab*lab 0.408 0.677 0.323

lab*lab 0.408 0.677 0.323

lab*lab 0.408 0.677 0.323

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 1.0 0.5 0.0 (0.5)

cmyn4* 0.0 0.5 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 19.13 40.31 19.21

LAB*LABa 19.13 40.31 19.21

LAB*LABb 19.13 40.31 19.21

LAB*TCHa 19.0 44.65 25.49

relative CIELAB lab*

lab*lab 0.25 0.0 0.0 (1.0)

lab*lab 0.25 0.0 0.0 (1.0)

lab*lab 0.25 0.0 0.0 (1.0)

relative Natural Colour (NC)

lab*lab 0.25 0.0 0.0 (1.0)

lab*lab 0.25 0.0 0.0 (1.0)

lab*lab 0.25 0.0 0.0 (1.0)

lab*lab 0.25 0.0 0.0 (1.0)

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 1.0 0.5 0.0 (0.5)

cmyn4* 0.0 0.5 0.0 (0.5)

standard and adapted CIELAB

LAB*LAB 18.02 0.0 0.0

LAB*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

LAB*TCHa 18.0 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

lab*lab 0.0 0.0 0.0 (1.0)

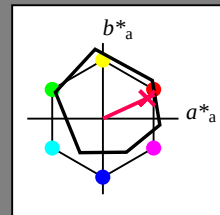
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.41 -0.98 4.75

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

LAB*TCHa 99.99 0.01

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

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 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 76.06 -0.61 3.44

LAB*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

LAB*TCHa 75.0 0.01

relative CIELAB lab*

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

relative Natural Colour (NC)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

lab*lab 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)

olv3* 0.75 0.5 0.5 (1.0)

cmyn3* 0.25 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (0.5)

cmyn4* 0.0 0.5 0.5 (0.5)

standard and adapted CIELAB

LAB*LAB 56.71 0.24 2.14

LAB*LABa 56.71 0.24 2.14

LAB*LABb 56.71 0.24 2.14

LAB*TCHa 50.0 0.01

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*lab 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 (0.25)

cmyn4* 0.0 0.0 0.0 (0.75)

standard and adapted CIELAB

LAB*LAB 23.87 0.0 0.0

LAB*LABa 23.87 0.0 0.0

LAB*LABb 23.87 0.0 0.0

LAB*TCHa 25

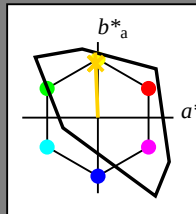
Eingabe: Farbmetrisches Fernseh-Licht-System TLS00

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

D65: Buntton J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 158$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*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 0.75 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.75 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.25 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*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 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*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 0.0 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*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

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

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

relative Inform. Technology (IT)
olv3* 0.75 0.706 0.5 (1.0)
cmyn3* 0.25 0.294 0.5 (0.0)
olv4* 1.0 0.956 0.75 (0.75)
cmyn4* 0.0 0.044 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 69.01 -0.86 21.53
LAB*LAB 69.01 -0.86 21.53
LAB*LAB 69.01 -0.86 21.53
LAB*LAB 69.01 -0.86 21.53

relative 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06

relative 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*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53

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*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 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*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

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

%Regularität

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

relative Inform. Technology (IT)

olv3* 1.0 0.912 0.5 (1.0)
cmyn3* 0.0 0.088 0.5 (0.0)
olv4* 1.0 0.912 0.5 (1.0)
cmyn4* 0.0 0.088 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.31 -1.74 43.06
LAB*LAB 90.31 -1.74 43.06
LAB*LAB 90.31 -1.74 43.06
LAB*LAB 90.31 -1.74 43.06

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

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

relative 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06

relative 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*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53

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*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 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*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$

1,00

0,75

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$ $n^* = 1.0$

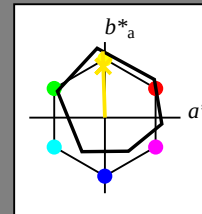
Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*ch 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*LAB 95.41 -0.98 4.75
LAB*LAB 95.41 -0.98 4.75
LAB*LAB 95.41 -0.98 4.75

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*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

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

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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative 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*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.412 0.0 (1.0)
cmyn3* 0.5 0.588 1.0 (0.0)
olv4* 1.0 0.912 0.5 (0.75)
cmyn4* 0.0 0.088 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06
LAB*LAB 42.62 -1.73 43.06

relative 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*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ce 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 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53
LAB*LAB 21.31 -0.86 21.53

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*ch 0.25 0.0 0

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *Startup (S) data dependend*

