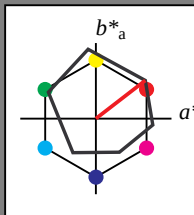


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*ch und lab^*nch

D65: Buntton O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
LAB*LAB 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

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 1.0 1.0
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)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 34.4
LAB*LAB 76.06 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 21.4
LAB*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 16.33
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.25 0.25 0.25 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

ORS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LAB 71.67 32.15 28.41
LAB*TCa 75.00 41.31 37.69

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*ch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.693 0.477 0.15
lab*tc 0.75 0.5 0.105
lab*ncc 0.0 0.5 0.191

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.25 (1.0)
cmv3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.53 27.11
LAB*LAB 52.33 32.53 27.11
LAB*TCa 50.00 41.31 37.69

relative CIELAB lab*
lab*lab 0.443 0.396 0.306
lab*ch 0.5 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.443 0.477 0.15
lab*tc 0.5 0.5 0.105
lab*ncc 0.0 0.5 0.191

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 40.46 49.03 38.93
LAB*LAB 40.46 49.03 38.93
LAB*TCa 37.51 61.96 37.69

relative CIELAB lab*
lab*lab 0.29 0.593 0.458
lab*ch 0.375 0.75 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*tr 0.29 0.716 0.224
lab*tc 0.375 0.75 0.105
lab*ncc 0.0 0.5 0.191

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmv3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.25 0.25 (1.0)
cmv4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 29.16 49.03 38.93
LAB*LAB 29.16 49.03 38.93
LAB*TCa 25.01 41.31 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*tr 0.193 0.477 0.15
lab*tc 0.25 0.5 0.105
lab*ncc 0.0 0.25 0.191

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

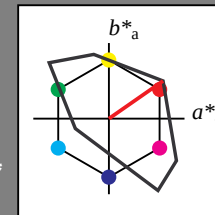
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.47
LAB*LAB 18.02 0.00 0.47
LAB*TCa 0.01 0.01 -

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

Ausgabe: 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^*



%Umfang

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 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*TCa 99.99 0.01 -

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 1.0 1.0
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)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*TCa 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.75 0.75 (1.0)
lab*tc 0.75 0.75 0.75 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*TCa 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (0.0)
lab*tc 0.5 0.5 0.5 (0.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*TCa 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.25 0.25 0.25 (1.0)
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.00 0.0
LAB*LAB 18.03 0.00 0.0
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.00 0.0
LAB*LAB 18.03 0.00 0.0
LAB*TCa 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.00 0.0
LAB*LAB 18.03 0.00 0.0
LAB*TCa 0.01 0.01 -

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

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

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

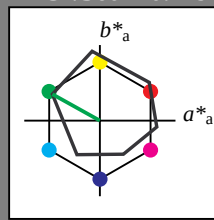
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 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 47.5
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*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*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*ce 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
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 0.5 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*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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LABa 37.36 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*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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
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*ce 0.0 0.0 0.0
lab*nce 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 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.96 20.73
LAB*LABa 73.15 -31.4 17.48
LAB*LABb 75.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*ch 0.712 0.0 0.419
lab*nch 0.0 0.0 0.419
relative Natural Colour (NC)
lab*tr 0.712 -0.478 0.144
lab*ce 0.712 0.0 0.453
lab*nce 0.0 0.0 0.818

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.5 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.4 17.48
LAB*LABb 50.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.462 -0.436 0.243
lab*ch 0.462 0.0 0.419
lab*nch 0.0 0.0 0.419
relative Natural Colour (NC)
lab*tr 0.462 -0.478 0.144
lab*ce 0.462 0.0 0.453
lab*nce 0.0 0.0 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olv4* 0.5 0.0 0.5 (0.5)
cmyn4* 0.5 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 34.46 -31.22 18.12
LAB*LABa 34.46 -31.4 17.48
LAB*LABb 25.01 35.95 150.91

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*ch 0.213 0.0 0.419
lab*nch 0.0 0.0 0.419
relative Natural Colour (NC)
lab*tr 0.213 -0.478 0.144
lab*ce 0.213 0.0 0.453
lab*nce 0.0 0.0 0.818

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 0.0 (0.0)
olv4* 0.25 0.0 0.25 (0.5)
cmyn4* 0.25 0.0 0.25 (0.5)
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 0.213 -0.436 0.243
lab*ch 0.0 0.213 0.0 0.419
lab*nch 0.0 0.0 0.419
relative Natural Colour (NC)
lab*tr 0.0 0.213 -0.478 0.144
lab*ce 0.0 0.213 0.0 0.453
lab*nce 0.0 0.0 0.818

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 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*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.00$

relative Buntheit c^*

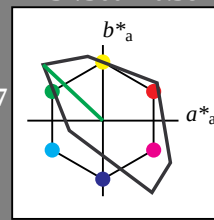
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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^*



%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*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 76.07 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*ce 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
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*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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.01 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*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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
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*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

OG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

BAM-Prüfvorlage OG51; Farbmetrik-Systeme ORS18 & ORS18input: `cmv0* setcmykcolor`
D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöneoutput: `Startup (S) data dependend`

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

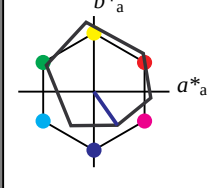
lab^*ch und lab^*nch

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)
LAB*LAB 95.41 -0.98 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (1.0)

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCh 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 1.0 (1.0)
lab*ch 0.75 0.75 1.0 (1.0)
lab*nch 0.75 0.75 1.0 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 1.0 (1.0)
lab*ce 0.75 0.75 1.0 (1.0)
lab*nce 0.75 0.75 1.0 (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
RC _{IE}	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)
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCh 75.00 27.1 305.0

standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCh 75.00 27.1 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCh 75.00 27.1 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCh 75.00 27.1 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*Lab 60.56 15.23 -19.79
LAB*TCh 75.00 27.1 305.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

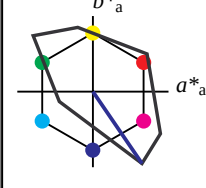
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%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)
LAB*LAB 95.41 0.0 0.0
LAB*Lab 95.41 0.0 0.0
LAB*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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*TCh 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*ce 1.0 0.0 0.0
lab*nce 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
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

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

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

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)
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

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)
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 75.00 27.1 304.33

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*ce 0.5 0.5 0.5 (1.0)
lab*nce 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB
LAB*LAB 65.44 32.45 -47.52
LAB*Lab 65.44 32.45 -47.52
LAB*TCh 7

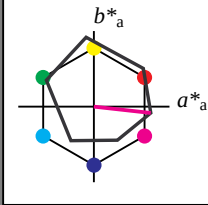
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
olv*Ma: 1.0 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)
LAB*LAB 95.41 -0.98 47.5
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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 0.75 (1.0)
lab*ce 0.75 0.75 0.75 (1.0)
lab*nce 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (0.0)
lab*ce 0.5 0.5 0.5 (0.0)
lab*nce 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 37.36 -0.03 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (0.0)
lab*ce 0.25 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

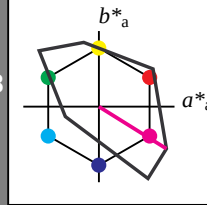
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 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)
LAB*LAB 95.41 -0.98 47.5
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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*tr 0.75 0.75 0.75 (1.0)
lab*ce 0.75 0.75 0.75 (1.0)
lab*nce 0.75 0.75 0.75 (1.0)

standard and adapted CIELAB
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (0.0)
lab*ce 0.5 0.5 0.5 (0.0)
lab*nce 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (0.0)
lab*ce 0.25 0.25 0.25 (0.0)
lab*nce 0.25 0.25 0.25 (0.0)

standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

TLS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

OG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

BAM-Prüfvorlage OG51; Farbmetrik-Systeme ORS18 & ORS18input: cmy0* setcmykcolor

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöneinput: Startup (S) data dependend

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

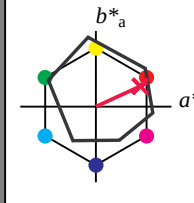
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit t^*



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 47.5
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*lab 1.0 0.0 0.0
lab*ch 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*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative CIELAB lab*

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

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0

relative CIELAB lab*

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

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (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 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative CIELAB lab*

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

ORS18; adaptierte CIELAB-Daten

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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

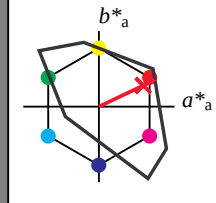
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit t^*



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

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

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*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative CIELAB lab*

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

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*

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

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (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 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (1.0)
lab*nch 1.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

relative CIELAB lab*

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

%Umfang

$u^*_{rel} = 118$

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

%Regularität

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

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

OG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage OG51; Farbmetrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöneinput: $Startup (S) data dependent$

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

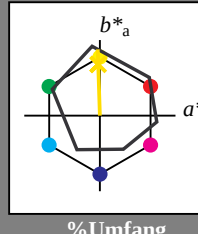
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

olv4* 1.0 1.0 1.0 (1.0)

olv5* 1.0 1.0 1.0 (1.0)

olv6* 1.0 1.0 1.0 (1.0)

olv7* 1.0 1.0 1.0 (1.0)

olv8* 1.0 1.0 1.0 (1.0)

olv9* 1.0 1.0 1.0 (1.0)

olv10* 1.0 1.0 1.0 (1.0)

olv11* 1.0 1.0 1.0 (1.0)

olv12* 1.0 1.0 1.0 (1.0)

olv13* 1.0 1.0 1.0 (1.0)

olv14* 1.0 1.0 1.0 (1.0)

olv15* 1.0 1.0 1.0 (1.0)

olv16* 1.0 1.0 1.0 (1.0)

olv17* 1.0 1.0 1.0 (1.0)

olv18* 1.0 1.0 1.0 (1.0)

olv19* 1.0 1.0 1.0 (1.0)

olv20* 1.0 1.0 1.0 (1.0)

olv21* 1.0 1.0 1.0 (1.0)

olv22* 1.0 1.0 1.0 (1.0)

olv23* 1.0 1.0 1.0 (1.0)

olv24* 1.0 1.0 1.0 (1.0)

olv25* 1.0 1.0 1.0 (1.0)

olv26* 1.0 1.0 1.0 (1.0)

olv27* 1.0 1.0 1.0 (1.0)

olv28* 1.0 1.0 1.0 (1.0)

olv29* 1.0 1.0 1.0 (1.0)

olv30* 1.0 1.0 1.0 (1.0)

olv31* 1.0 1.0 1.0 (1.0)

olv32* 1.0 1.0 1.0 (1.0)

olv33* 1.0 1.0 1.0 (1.0)

olv34* 1.0 1.0 1.0 (1.0)

olv35* 1.0 1.0 1.0 (1.0)

olv36* 1.0 1.0 1.0 (1.0)

olv37* 1.0 1.0 1.0 (1.0)

olv38* 1.0 1.0 1.0 (1.0)

olv39* 1.0 1.0 1.0 (1.0)

olv40* 1.0 1.0 1.0 (1.0)

olv41* 1.0 1.0 1.0 (1.0)

olv42* 1.0 1.0 1.0 (1.0)

olv43* 1.0 1.0 1.0 (1.0)

olv44* 1.0 1.0 1.0 (1.0)

olv45* 1.0 1.0 1.0 (1.0)

olv46* 1.0 1.0 1.0 (1.0)

olv47* 1.0 1.0 1.0 (1.0)

olv48* 1.0 1.0 1.0 (1.0)

olv49* 1.0 1.0 1.0 (1.0)

olv50* 1.0 1.0 1.0 (1.0)

olv51* 1.0 1.0 1.0 (1.0)

olv52* 1.0 1.0 1.0 (1.0)

olv53* 1.0 1.0 1.0 (1.0)

olv54* 1.0 1.0 1.0 (1.0)

olv55* 1.0 1.0 1.0 (1.0)

olv56* 1.0 1.0 1.0 (1.0)

olv57* 1.0 1.0 1.0 (1.0)

olv58* 1.0 1.0 1.0 (1.0)

olv59* 1.0 1.0 1.0 (1.0)

olv60* 1.0 1.0 1.0 (1.0)

olv61* 1.0 1.0 1.0 (1.0)

olv62* 1.0 1.0 1.0 (1.0)

olv63* 1.0 1.0 1.0 (1.0)

olv64* 1.0 1.0 1.0 (1.0)

olv65* 1.0 1.0 1.0 (1.0)

olv66* 1.0 1.0 1.0 (1.0)

olv67* 1.0 1.0 1.0 (1.0)

olv68* 1.0 1.0 1.0 (1.0)

olv69* 1.0 1.0 1.0 (1.0)

olv70* 1.0 1.0 1.0 (1.0)

olv71* 1.0 1.0 1.0 (1.0)

olv72* 1.0 1.0 1.0 (1.0)

olv73* 1.0 1.0 1.0 (1.0)

olv74* 1.0 1.0 1.0 (1.0)

olv75* 1.0 1.0 1.0 (1.0)

olv76* 1.0 1.0 1.0 (1.0)

olv77* 1.0 1.0 1.0 (1.0)

olv78* 1.0 1.0 1.0 (1.0)

olv79* 1.0 1.0 1.0 (1.0)

olv80* 1.0 1.0 1.0 (1.0)

olv81* 1.0 1.0 1.0 (1.0)

olv82* 1.0 1.0 1.0 (1.0)

olv83* 1.0 1.0 1.0 (1.0)

olv84* 1.0 1.0 1.0 (1.0)

olv85* 1.0 1.0 1.0 (1.0)

olv86* 1.0 1.0 1.0 (1.0)

olv87* 1.0 1.0 1.0 (1.0)

olv88* 1.0 1.0 1.0 (1.0)

olv89* 1.0 1.0 1.0 (1.0)

olv90* 1.0 1.0 1.0 (1.0)

olv91* 1.0 1.0 1.0 (1.0)

olv92* 1.0 1.0 1.0 (1.0)

olv93* 1.0 1.0 1.0 (1.0)

olv94* 1.0 1.0 1.0 (1.0)

olv95* 1.0 1.0 1.0 (1.0)

olv96* 1.0 1.0 1.0 (1.0)

olv97* 1.0 1.0 1.0 (1.0)

olv98* 1.0 1.0 1.0 (1.0)

olv99* 1.0 1.0 1.0 (1.0)

olv100* 1.0 1.0 1.0 (1.0)

olv101* 1.0 1.0 1.0 (1.0)

olv102* 1.0 1.0 1.0 (1.0)

olv103* 1.0 1.0 1.0 (1.0)

olv104* 1.0 1.0 1.0 (1.0)

olv105* 1.0 1.0 1.0 (1.0)

olv106* 1.0 1.0 1.0 (1.0)

olv107* 1.0 1.0 1.0 (1.0)

olv108* 1.0 1.0 1.0 (1.0)

olv109* 1.0 1.0 1.0 (1.0)

olv110* 1.0 1.0 1.0 (1.0)

olv111* 1.0 1.0 1.0 (1.0)

olv112* 1.0 1.0 1.0 (1.0)

olv113* 1.0 1.0 1.0 (1.0)

olv114* 1.0 1.0 1.0 (1.0)

olv115* 1.0 1.0 1.0 (1.0)

olv116* 1.0 1.0 1.0 (1.0)

olv117* 1.0 1.0 1.0 (1.0)

olv118* 1.0 1.0 1.0 (1.0)

olv119* 1.0 1.0 1.0 (1.0)

olv120* 1.0 1.0 1.0 (1.0)

olv121* 1.0 1.0 1.0 (1.0)

olv122* 1.0 1.0 1.0 (1.0)

olv123* 1.0 1.0 1.0 (1.0)

olv124* 1.0 1.0 1.0 (1.0)

olv125* 1.0 1.0 1.0 (1.0)

olv126* 1.0 1.0 1.0 (1.0)

olv127* 1.0 1.0 1.0 (1.0)

olv128* 1.0 1.0 1.0 (1.0)

olv129* 1.0 1.0 1.0 (1.0)

olv130* 1.0 1.0 1.0 (1.0)

olv131* 1.0 1.0 1.0 (1.0)

olv132* 1.0 1.0 1.0 (1.0)

olv133* 1.0 1.0 1.0 (1.0)

olv134* 1.0 1.0 1.0 (1.0)

olv135* 1.0 1.0 1.0 (1.0)

olv136* 1.0 1.0 1.0 (1.0)

olv137* 1.0 1.0 1.0 (1.0)

olv138* 1.0 1.0 1.0 (1.0)

olv139* 1.0 1.0 1.0 (1.0)

olv140* 1.0 1.0 1.0 (1.0)

olv141* 1.0 1.0 1.0 (1.0)

olv142* 1.0 1.0 1.0 (1.0)

olv143* 1.0 1.0 1.0 (1.0)

olv144* 1.0 1.0 1.0 (1.0)

olv145* 1.0 1.0 1.0 (1.0)

olv146* 1.0 1.0 1.0 (1.0)

olv147* 1.0 1.0 1.0 (1.0)

olv148* 1.0 1.0 1.0 (1.0)

olv149* 1.0 1.0 1.0 (1.0)

olv150* 1.0 1.0 1.0 (1.0)

olv151* 1.0 1.0 1.0 (1.0)

olv152* 1.0 1.0 1.0 (1.0)

olv153* 1.0 1.0 1.0 (1.0)

olv154* 1.0 1.0 1.0 (1.0)

olv155* 1.0 1.0 1.0 (1.0)

olv156* 1.0 1.0 1.0 (1.0)

olv157* 1.0 1.0 1.0 (1.0)

olv158* 1.0 1.0 1.0 (1.0)

olv159* 1.0 1.0 1.0 (1.0)

olv160* 1.0 1.0 1.0 (1.0)

olv161* 1.0 1.0 1.0 (1.0)

olv162* 1.0 1.0 1.0 (1.0)

olv163* 1.0 1.0 1.0 (1.0)

olv164* 1.0 1.0 1.0 (1.0)

olv165* 1.0 1.0 1.0 (1.0)

olv166* 1.0 1.0 1.0 (1.0)

olv167* 1.0 1.0 1.0 (1.0)

olv168* 1.0 1.0 1.0 (1.0)

olv169* 1.0 1.0 1.0 (1.0)

olv170* 1.0 1.0 1.0 (1.0)

olv171* 1.0 1.0 1.0 (1.0)

olv172* 1.0 1.0 1.0 (1.0)

olv173* 1.0 1.0 1.0 (1.0)

olv174* 1.0 1.0 1.0 (1.0)

olv175* 1.0 1.0 1.0 (1.0)

olv176* 1.0 1.0 1.0 (1.0)

olv177* 1.0 1.0 1.0 (1.0)

olv178* 1.0 1.0 1.0 (1.0)

olv179* 1.0 1.0 1.0 (1.0)

olv180* 1.0 1.0 1.0 (1.0)

olv181* 1.0 1.0 1.0 (1.0)

olv182* 1.0 1.0 1.0 (1.0)

olv183* 1.0 1.0 1.0 (1.0)

olv184* 1.0 1.0 1.0 (1.0)

olv185* 1.0 1.0 1.0 (1.0)

olv186* 1.0 1.0 1.0 (1.0)

olv187* 1.0 1.0 1.0 (1.0)

olv188* 1.0 1.0 1.0 (1.0)

olv189* 1.0 1.0 1.0 (1.0)

olv190* 1.0 1.0 1.0 (1.0)

olv191* 1.0 1.0 1.0 (1.0)

olv192* 1.0 1.0 1.0 (1.0)

olv193* 1.0 1.0 1.0 (1.0)

olv194* 1.0 1.0 1.0 (1.0)

olv195* 1.0 1.0 1.0 (1.0)

olv196* 1.0 1.0 1.0 (1.0)

olv197* 1.0 1.0 1.0 (1.0)

olv198* 1.0 1.0 1.0 (1.0)

olv199* 1.0 1.0 1.0 (1.0)

olv200* 1.0 1.0 1.0 (1.0)

olv201* 1.0 1.0 1.0 (1.0)

olv202* 1.0 1.0 1.0 (1.0)

olv203* 1.0 1.0 1.0 (1.0)

olv204* 1.0 1.0 1.0 (1.0)

olv205* 1.0 1.0 1.0 (1.0)

olv206* 1.0 1.0 1.0 (1.0)

olv207* 1.0 1.0 1.0 (1.0)

olv208* 1.0 1.0 1.0 (1.0)

olv209* 1.0 1.0 1.0 (1.0)

olv210* 1.0 1.0 1.0 (1.0)

olv211* 1.0 1.0 1.0 (1.0)

olv212* 1.0 1.0 1.0 (1.0)

olv213* 1.0 1.0 1.0 (1.0)

olv214* 1.0 1.0 1.0 (1.0)

olv215* 1.0 1.0 1.0 (1.0)

olv216* 1.0 1.0 1.0 (1.0)

olv217* 1.0 1.0 1.0 (1.0)

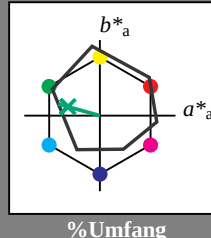
olv218* 1.0 1.0 1.0 (1.0)

olv219* 1.0 1.0 1.0 (1.0)

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

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

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 47.5
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*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*LAB 76.06 0.0 0.0
LAB*LAB 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 (0.0)
cmyn3* 0.5 0.5 0.5 (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 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olv4* 0.75 1.0 0.812 (1.0)
cmyn4* 0.25 0.0 0.188 (0.0)
standard and adapted CIELAB
LAB*LAB 84.75 -14.48 7.85
LAB*LAB 84.75 -13.69 3.81
LAB*LAB 84.75 -14.22 16.46

relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*ch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.862 -0.249 0.0
lab*trc 0.875 0.25 0.457
lab*ncc 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.562 (1.0)
cmyn3* 0.5 0.25 0.438 (0.0)
olv4* 0.75 1.0 0.812 (0.75)
cmyn4* 0.25 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 65.41 -14.11 6.55
LAB*LAB 65.41 -13.7 3.81
LAB*LAB 65.41 -14.22 16.46

relative CIELAB lab*
lab*lab 0.612 -0.249 0.0
lab*ch 0.625 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.612 -0.249 0.0
lab*trc 0.625 0.25 0.457
lab*ncc 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63

relative CIELAB lab*
lab*lab 0.387 -0.249 0.0
lab*ch 0.399 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.387 -0.249 0.0
lab*trc 0.399 0.25 0.457
lab*ncc 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LAB 35.41 -27.41 7.63
LAB*LAB 35.41 -27.41 7.63

relative CIELAB lab*
lab*lab 0.337 -0.249 0.0
lab*ch 0.349 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.337 -0.249 0.0
lab*trc 0.349 0.25 0.457
lab*ncc 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.125 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.188 (0.5)
standard and adapted CIELAB
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 26.71 -13.7 3.82

$n^* = 0.50$

ORS18; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

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

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olv4* 0.5 1.0 0.623 (1.0)
cmyn4* 0.5 0.0 0.377 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.98 10.94
LAB*LAB 74.1 -27.4 7.62
LAB*LAB 74.1 -27.4 7.62

relative CIELAB lab*
lab*lab 0.725 -0.481 0.134
lab*ch 0.735 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.725 -0.489 0.0
lab*trc 0.735 0.5 0.457
lab*ncc 0.0 0.5 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63

relative CIELAB lab*
lab*lab 0.387 -0.249 0.0
lab*ch 0.399 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.387 -0.249 0.0
lab*trc 0.399 0.25 0.457
lab*ncc 0.0 0.25 0.457

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.125 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.188 (0.5)
standard and adapted CIELAB
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 26.71 -13.7 3.82
LAB*LAB 26.71 -13.7 3.82

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*ch 0.125 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*trc 0.125 0.25 0.457
lab*ncc 0.0 0.25 0.457

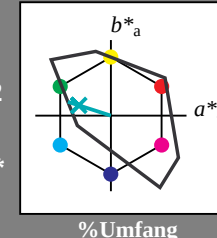
$n^* = 0.25$

$n^* = 0.00$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18 für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit t^*



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

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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 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*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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 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*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 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 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*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 0.5 0.125 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.188 (0.5)
standard and adapted CIELAB
LAB*LAB 26.73 0.0 0.0
LAB*LAB 26.73 0.0 0.0
LAB*LAB 26.73 0.0 0.0

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*ch 0.125 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*trc 0.125 0.25 0.451
lab*ncc 0.0 0.25 0.451

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.562 (1.0)
cmyn3* 0.5 0.25 0.438 (0.0)
olv4* 0.75 1.0 0.812 (0.75)
cmyn4* 0.25 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 65.41 -14.11 6.55
LAB*LAB 65.41 -13.7 3.81
LAB*LAB 65.41 -14.22 16.22

relative CIELAB lab*
lab*lab 0.612 -0.249 0.0
lab*ch 0.625 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.612 -0.249 0.0
lab*trc 0.625 0.25 0.451
lab*ncc 0.0 0.25 0.451

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63

relative CIELAB lab*
lab*lab 0.387 -0.249 0.0
lab*ch 0.399 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.387 -0.249 0.0
lab*trc 0.399 0.25 0.451
lab*ncc 0.0 0.25 0.451

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LAB 35.41 -27.41 7.63
LAB*LAB 35.41 -27.41 7.63

relative CIELAB lab*
lab*lab 0.337 -0.249 0.0
lab*ch 0.349 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.337 -0.249 0.0
lab*trc 0.349 0.25 0.451
lab*ncc 0.0 0.25 0.451

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.125 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.188 (0.5)
standard and adapted CIELAB
LAB*LAB 26.73 0.0 0.0
LAB*LAB 26.73 0.0 0.0
LAB*LAB 26.73 0.0 0.0

relative CIELAB lab*
lab*lab 0.112 -0.24 0.067
lab*ch 0.125 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.112 -0.249 0.0
lab*trc 0.125 0.25 0.451
lab*ncc 0.0 0.25 0.451

$n^* = 0.25$

$n^* = 0.50$

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 0.75 0.562 (1.0)
cmyn3* 0.5 0.25 0.438 (0.0)
olv4* 0.75 1.0 0.812 (0.75)
cmyn4* 0.25 0.0 0.188 (0.25)
standard and adapted CIELAB
LAB*LAB 65.41 -14.11 6.55
LAB*LAB 65.41 -13.7 3.81
LAB*LAB 65.41 -14.22 16.22

relative CIELAB lab*
lab*lab 0.612 -0.249 0.0
lab*ch 0.625 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.612 -0.249 0.0
lab*trc 0.625 0.25 0.451
lab*ncc 0.0 0.25 0.451

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.375 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63

relative CIELAB lab*
lab*lab 0.387 -0.249 0.0
lab*ch 0.399 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.387 -0.249 0.0
lab*trc 0.399 0.25 0.451
lab*ncc 0.0 0.25 0.451

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.625 (0.5)
cmyn4* 0.5 0.0 0.375 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 7.63
LAB*LAB 35.41 -27.41 7.63
LAB*LAB 35.41 -27.41 7.63

relative CIELAB lab*
lab*lab 0.337 -0.249 0.0
lab*ch 0.349 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.337 -0.249 0.0
lab*trc 0.349 0.25 0.451
lab*ncc 0.0 0.25 0.451

$n^* = 0.00$

$n^* =$

