

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 38/360 = 0.105$

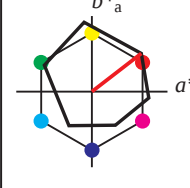
lab^*ch und lab^*nch

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)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	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	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	83.54	15.58	16.58	
LAB*LAB	83.54	16.34	12.62	
LAB*LAB	97.5	20.65	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	75.0	41.31	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	69.93	0.477	0.15	
LAB*LAB	69.93	0.477	0.15	
LAB*LAB	69.93	0.477	0.15	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	62.5	61.96	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	49.46	49.03	37.88	
LAB*LAB	49.46	49.03	37.88	
LAB*LAB	50.0	82.61	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	50.0	82.61	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	50.0	82.61	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	50.0	82.61	37.69	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	50.0	82.61	37.69	

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

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

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

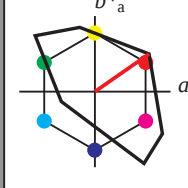
lab^*ch und lab^*nch

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)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	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*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	84.74	17.9	12.47	
LAB*LAB	84.74	17.9	12.47	
LAB*LAB	87.5	21.81	34.85	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	62.5	21.82	34.85	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
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olvi4*	1.0	0.75	0.75	(1.0)
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cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
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olvi4*	1.0	0.75	0.75	(1.0)
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cmyn4*	0.0	0.25	0.25	(0.0)
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LAB*LAB	47.94	65.37	52.06	
LAB*LAB	50.0	82.61	37.69	

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)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	84.74	17.9	12.47	
LAB*LAB	84.74	17.9	12.47	
LAB*LAB	87.5	21.81	34.85	

relative Inform. Technology (IT)

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cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	62.5	21.82	34.85	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	62.5	21.82	34.85	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olvi4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	65.4	17.91	12.47	
LAB*LAB	62.5	21.82	34.85	

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	$b^$
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Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 96/360 = 0.268$

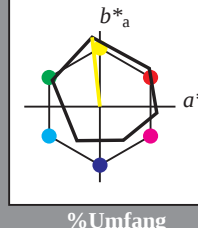
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 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*lrj 1.0 0.0 0.0
lab*nce 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 (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*TCa 75.00 0.01 -

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*lrj 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*TCa 50.00 0.01 -

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*lrj 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.33 0.63
LAB*LAB 37.36 0.0 0.0
LAB*TCa 25.00 0.01 -

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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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

ORS18; adaptierte CIELAB-Daten

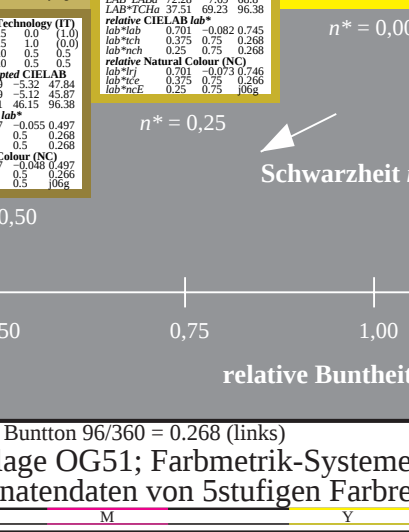
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
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$g^*_{H,rel} = 57$

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

	$L^*=L_a$	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



Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 103/360 = 0.287$

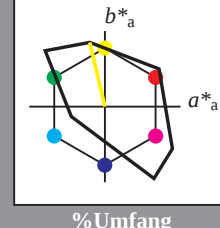
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*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*lrj 1.0 0.0 0.0
lab*nce 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 (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*TCa 75.00 0.01 -

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*lrj 0.75 0.0 0.0
lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.70 0.0 0.0
LAB*LAB 56.70 0.0 0.0
LAB*TCa 50.00 0.01 -

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*lrj 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

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

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*lrj 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0

TLS18; adaptierte CIELAB-Daten

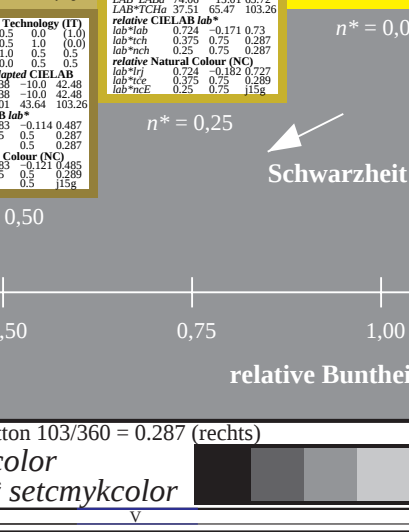
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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

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

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

	$L^*=L_a$	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



OG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

BAM-Prüfvorlage OG51; Farbmetrik-Systeme ORS18 & TLS18 input: cmy0* setcmykcolor

D65: 2 Koordinatendaten von 5-stufigen Farbreihen für 10 Bunttöne output: cmy0* / 000n* setcmykcolor

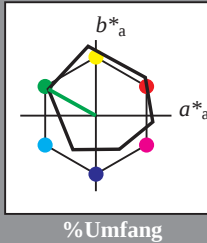
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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^*



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*TCRa 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 -
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 -

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*TCRa 75.00 0.01 -

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 -
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 -

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*TCRa 75.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCRa 25.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCRa 25.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCRa 25.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*TCRa 25.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.419
lab*trc 0.125 0.25 0.419
lab*ncc 0.25 0.25 0.419

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.0
LAB*TCRa 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*ch 0.125 0.25 0.419
lab*nch 0.25 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.125 0.25 0.419
lab*trc 0.125 0.25 0.419
lab*ncc 0.25 0.25 0.419

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

BAM-Prüfvorlage OG51; Farbmetrik-Systeme ORS18 & TLS18 input: $cmY0^* setcmykcolor$

D65: 2 Koordinatendaten von 5stufigen Farbreihen für 10 Bunttöne output: $cmY0^* / 000n^* setcmykcolor$

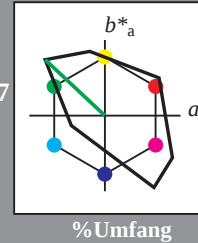
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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^*



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*TCRa 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 -
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 -

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*TCRa 75.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*TCRa 75.00 0.01 -

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 -
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 -

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

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 -
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 -

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

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 -
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 -

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

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 -
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 -

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

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCRa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCRa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 -

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

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

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*TCRa 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 -
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 -

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*TCRa 75.00 0.01 -

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*TCRa 75.00 0.01 -

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 -
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 -

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

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 -
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 -

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

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 -
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 -

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

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 -
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 -

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

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 -
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 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCRa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCRa 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 -
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 -

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

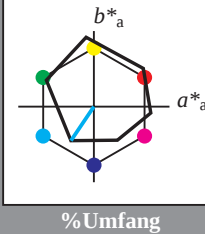
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	47.5
LAB*LAB	95.41	0.0	0.0
LAB*LAB	99.99	0.01	0.0

relative Inform. Technology (IT)

olv3*	0.75	1.0	1.0	(1.0)
olv3*	0.25	0.0	0.0	(0.0)
olv4*	0.75	1.0	1.0	1.0
olv4*	0.25	0.0	0.0	0.0
olv4*	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	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.06	-0.61	3.44
LAB*LAB	76.06	0.0	0.0
LAB*LAB	75.00	0.01	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*	0.5	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	0.5	1.0	1.0	1.0
olv4*	0.0	0.0	0.0	0.0
olv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.01	-15.8	-19.98
LAB*LAB	77.01	-15.8	-22.5
LAB*LAB	75.00	0.01	0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

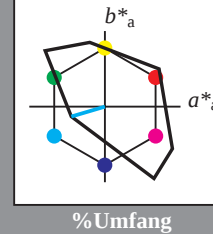
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	47.5
LAB*LAB	95.41	0.0	0.0
LAB*LAB	99.99	0.01	0.0

%Regularität

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

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LAB	76.07	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LAB	76.07	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LAB	76.07	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0
LAB*LAB	76.07	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

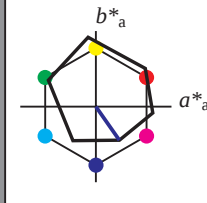
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	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	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	
lab*trj	1.0	0.0	0.0	
lab*trc	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	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*nch	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	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.25	0.0	
lab*ch	0.75	0.0	0.0	
lab*nch	0.25	0.0	0.0	
lab*trj	0.75	0.0	0.0	
lab*trc	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	0.75	0.0	0.0	
lab*trc	0.25	0.0	0.0	
lab*nch	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	50.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.0	
lab*ch	0.5	0.0	0.0	
lab*nch	0.5	0.0	0.0	
lab*trj	0.5	0.0	0.0	
lab*trc	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	0.5	0.0	0.0	
lab*trc	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	18.02	18.02	0.47	
LAB*LAB	18.02	0.0	0.0	
LAB*LAB	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	0.0	1.0	0.0	
lab*trc	0.0	0.0	1.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	0.0	1.0	0.0	
lab*trc	0.0	0.0	1.0	
lab*nch	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	1.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	0.75	0.75	1.0	(1.0)
cmyn4*	0.25	0.25	0.0	(0.0)
LAB*LAB	77.99	7.12	-7.51	
LAB*LAB	77.99	7.77	-11.09	
LAB*LAB	87.5	13.55	305.0	

relative CIELAB lab*

lab*lab	0.75	0.143	-0.204	
lab*ch	0.875	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.775	0.112	-0.222	
lab*trc	0.875	0.25	0.824	
lab*nch	0.0	0.25	0.824	

relative Natural Colour (NC)

lab*lab	0.75	0.143	-0.204	
lab*ch	0.875	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.775	0.112	-0.222	
lab*trc	0.875	0.25	0.824	
lab*nch	0.0	0.25	0.824	

standard and adapted CIELAB

LAB*LAB	58.64	7.49	-8.82	
LAB*LAB	58.64	7.77	-11.09	
LAB*LAB	62.5	13.55	305.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.0	
lab*ch	0.625	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.525	0.112	-0.222	
lab*trc	0.625	0.25	0.824	
lab*nch	0.0	0.25	0.824	

relative Natural Colour (NC)

lab*lab	0.5	0.5	0.0	
lab*ch	0.625	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.525	0.112	-0.222	
lab*trc	0.625	0.25	0.824	
lab*nch	0.0	0.25	0.824	

standard and adapted CIELAB

LAB*LAB	39.29	7.87	-10.13	
LAB*LAB	39.29	7.77	-11.09	
LAB*LAB	37.5	13.55	305.0	

relative CIELAB lab*

lab*lab	0.25	0.143	-0.204	
lab*ch	0.375	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.275	0.112	-0.222	
lab*trc	0.375	0.25	0.824	
lab*nch	0.0	0.25	0.824	

relative Natural Colour (NC)

lab*lab	0.25	0.143	-0.204	
lab*ch	0.375	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.275	0.112	-0.222	
lab*trc	0.375	0.25	0.824	
lab*nch	0.0	0.25	0.824	

standard and adapted CIELAB

LAB*LAB	19.94	7.23	-11.43	
LAB*LAB	19.94	7.77	-11.09	
LAB*LAB	12.5	13.55	305.0	

relative CIELAB lab*

lab*lab	0.025	0.143	-0.204	
lab*ch	0.125	0.25	0.847	
lab*nch	0.0	0.25	0.847	
lab*trj	0.025	0.112	-0.222	
lab*trc	0.125	0.25	0.824	
lab*nch	0.0	0.25	0.824	

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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3*	0.5	0.5	1.0	(1.0)
cmyn3*	0.5	0.5	0.0	(0.0)
olvi4*	0.5	0.5	1.0	(1.0)
cmyn4*	0.5	0.5	0.0	(0.0)
LAB*LAB	60.56	15.23	-19.79	
LAB*LAB	60.56	15.55	-22.19	
LAB*LAB	75.0	27.1	305.0	

relative CIELAB lab*

lab*lab	0.5	0.287	-0.408	
lab*ch	0.75	0.5	0.847	
lab*nch	0.0	0.5	0.847	
lab*trj	0.52	0.225	-0.446	
lab*trc	0.75	0.5	0.824	
lab*nch	0.0	0.5	0.824	

relative Natural Colour (NC)

lab*lab	0.5	0.287	-0.408	
lab*ch	0.75	0.5	0.847	
lab*nch	0.0	0.5	0.847	
lab*trj	0.52	0.225	-0.446	
lab*trc	0.75	0.5	0.824	
lab*nch	0.0	0.5	0.824	

standard and adapted CIELAB

LAB*LAB	43.14	23.34	-32.07	
LAB*LAB	43.14	23.32	-32.29	
LAB*LAB	62.5	40.66	305.0	

relative CIELAB lab*

lab*lab	0.32	0.43	-0.613	
lab*ch	0.625	0.75	0.847	
lab*nch	0.0	0.75	0.847	
lab*trj	0.325	0.337	-0.669	
lab*trc	0.625	0.75	0.824	
lab*nch	0.0	0.75	0.824	

relative Natural Colour (NC)

lab*lab	0.32	0.43	-0.613	
lab*ch	0.625	0.75	0.847	
lab*nch	0.0	0.75	0.847	
lab*trj	0.325	0.337	-0.669	
lab*trc	0.625	0.75	0.824	
lab*nch	0.0	0.75	0.824	

standard and adapted CIELAB

LAB*LAB	25.73	31.44	-44.34	
LAB*LAB	25.73	31.09	-44.39	
LAB*LAB	50.0	54.21	305.0	

relative CIELAB lab*

lab*lab	0.1	0.573	-0.818	
lab*ch	0.5	1.0	0.847	
lab*nch	0.0	1.0	0.847	
lab*trj	0.1	0.449	-0.892	
lab*trc	0.5	1.0	0.824	
lab*nch	0.0	1.0	0.824	

relative Natural Colour (NC)

lab*lab	0.1	0.573	-0.818	
lab*ch	0.5	1.0	0.847	
lab*nch	0.0	1.0	0.847	
lab*trj	0.1	0.449	-0.892	
lab*trc	0.5	1.0	0.824	
lab*nch	0.0	1.0	0.824	

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

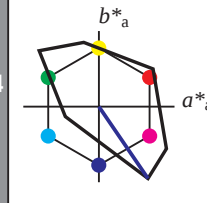
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	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*LAB	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	
lab*trj	1.0	0.0	0.0	
lab*trc	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	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
lab*trj	1.0	0.0	0.0	
lab*trc	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	76.07	0.0	0.0	
LAB*LAB	76.07	0.0	0.0	
LAB*LAB	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.0	
lab*ch	0.75	0.0	0.0	
lab*nch	0.5	0.0	0.0	
lab*trj	0.75	0.0	0.0	
lab*trc	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	

LAB*EAB	50.72	0.0	0.0
LAB*TCa	50.0	0.01	—
relative CIELAB lab*			
lab*lab	0.5	0.0	0.0
lab*rch	0.5	0.0	—
lab*rch	0.5	0.0	—
relative Natural Colour (NC)			
lab*trj	0.5	0.0	0.0
lab*trc	0.5	0.0	—
lab*ncE	0.5	0.0	—

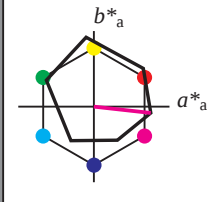
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

lab^*ich 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	59.41	-0.98	47.5	
LAB*LAB	99.99	0.01	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*ich	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*ich	1.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	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)
LAB*LAB	83.59	18.05	1.87	
LAB*LAB	83.59	18.05	1.87	
LAB*TCRa	87.5	18.93	353.66	

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027	
lab*ich	0.875	0.25	0.982	
lab*nch	0.0	0.25	0.982	

standard and adapted CIELAB

lab*lab	0.847	0.248	-0.027	
lab*ich	0.875	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*lab	0.847	0.248	-0.027	
lab*ich	0.875	0.25	0.982	
lab*nch	0.0	0.25	0.982	

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

%Regelartit

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

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

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)
LAB*LAB	76.06	-0.61	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*ich	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*ich	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	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)
LAB*LAB	64.24	18.43	0.56	
LAB*LAB	64.24	18.43	0.56	
LAB*TCRa	62.5	18.94	353.66	

relative CIELAB lab*

lab*lab	0.597	0.248	-0.027	
lab*ich	0.625	0.25	0.982	
lab*nch	0.0	0.25	0.982	

standard and adapted CIELAB

lab*lab	0.597	0.248	-0.027	
lab*ich	0.625	0.25	0.982	
lab*nch	0.0	0.25	0.982	

relative Natural Colour (NC)

lab*lab	0.597	0.248	-0.027	
lab*ich	0.625	0.25	0.982	
lab*nch	0.0	0.25	0.982	

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)
LAB*LAB	59.95	56.15	-3.9	
LAB*LAB	59.95	56.15	-3.9	
LAB*TCRa	62.5	56.8	353.66	

relative CIELAB lab*

lab*lab	0.542	0.745	-0.082	
lab*ich	0.625	0.75	0.982	
lab*nch	0.0	0.75	0.982	

standard and adapted CIELAB

lab*lab	0.542	0.745	-0.082	
lab*ich	0.625	0.75	0.982	
lab*nch	0.0	0.75	0.982	

relative Natural Colour (NC)

lab*lab	0.542	0.745	-0.082	
lab*ich	0.625	0.75	0.982	
lab*nch	0.0	0.75	0.982	

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)
LAB*LAB	48.13	75.18	-6.79	
LAB*LAB	48.13	75.18	-6.79	
LAB*TCRa	62.5	75.74	353.66	

relative CIELAB lab*

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

standard and adapted CIELAB

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

relative Natural Colour (NC)

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

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)
LAB*LAB	48.13	75.18	-6.79	
LAB*LAB	48.13	75.18	-6.79	
LAB*TCRa	62.5	75.74	353.66	

relative CIELAB lab*

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

standard and adapted CIELAB

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

relative Natural Colour (NC)

lab*lab	0.389	0.994	-0.109	
lab*ich	0.5	1.0	0.982	
lab*nch	0.0	1.0	0.982	

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)
LAB*LAB	48.13	75.18	-6.79	
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olv3*	0.75	0.5	0.75	(1.0)
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Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

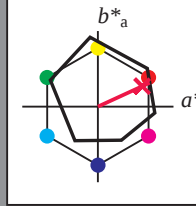
lab^*ich und lab^*nch

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)
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)
LAB*LAB	95.41	-0.98	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
cmv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
cmv4*	0.0	0.25	0.169	(0.0)
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
cmv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
cmv4*	0.0	0.25	0.169	(0.0)
LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.831	(1.0)
cmv3*	0.0	0.25	0.169	(0.0)
olv4*	1.0	0.75	0.831	(1.0)
cmv4*	0.0	0.25	0.169	(0.0)
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relative Inform. Technology (IT)

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LAB*LAB	83.55	16.38	11.84	
LAB*LAB	83.55	17.14	7.88	
LAB*LAB	97.5	18.86	24.69	

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

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

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

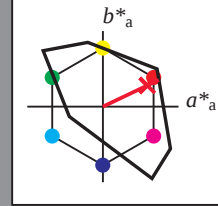
lab^*ich und lab^*nch

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

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)
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.785	(1.0)
cmv3*	0.0	0.25	0.215	(0.0)
olv4*	1.0	0.75	0.785	(1.0)
cmv4*	0.0	0.25	0.215	(0.0)
LAB*LAB	84.96	18.51	8.82	
LAB*LAB	84.96	18.51	8.82	
LAB*LAB	87.5	20.31	25.47	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.785	(1.0)
cmv3*	0.0	0.25	0.215	(0.0)
olv4*	1.0	0.75	0.785	(1.0)
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%Regularität

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

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

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.785	(1.0)
cmv3*	0.0	0.25	0.215	(0.0)
olv4*	1.0	0.75	0.785	(1.0)
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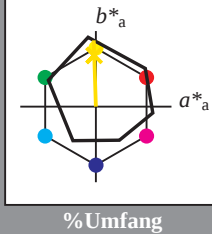
relative Inform. Technology (IT)

olv3*	1.0	0.75	0.785	(1.0)
cmv3*	0.0	0.25	0.215	(0.0)

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*ich und lab^*nch

D65: Buntton J
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit t^*



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 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ic 1.0 0.0 0.0
lab*nc 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 75.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 50.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.43 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 -

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

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olv4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.11 -1.64 26.52
LAB*LAB 93.11 -0.7 21.92
LAB*LAB 97.5 21.93 91.85

relative CIELAB lab*
lab*lab 0.97 -0.007 0.25
lab*ich 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*ich 0.97 0.0 0.25
lab*nch 0.0 0.25 0.25
lab*ic 0.875 0.25 0.25
lab*nc 0.0 0.25 0.25

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -1.27 25.22
LAB*LAB 73.75 -0.69 21.92
LAB*LAB 62.5 21.93 91.84

relative CIELAB lab*
lab*lab 0.75 0.025 0.25
lab*ich 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*ich 0.75 0.0 0.25
lab*nch 0.0 0.25 0.25
lab*ic 0.625 0.25 0.25
lab*nc 0.0 0.25 0.25

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 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 54.4 -0.89 23.91
LAB*LAB 54.4 -0.69 21.92
LAB*LAB 50.0 21.93 91.84

relative CIELAB lab*
lab*lab 0.5 -0.007 0.25
lab*ich 0.475 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*ich 0.5 0.0 0.25
lab*nch 0.0 0.25 0.25
lab*ic 0.475 0.25 0.25
lab*nc 0.0 0.25 0.25

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.43 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 -

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

$n^* = 0.50$

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* 1.0 0.951 0.5 (1.0)
cmyn3* 0.0 0.049 0.5 (0.0)
olv4* 1.0 0.951 0.5 (1.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.8 -2.3 48.29
LAB*LAB 90.8 -1.4 43.84
LAB*LAB 75.0 43.86 91.85

relative CIELAB lab*
lab*lab 0.94 -0.015 0.5
lab*ich 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*ich 0.94 0.0 0.5
lab*nch 0.0 0.5 0.25
lab*ic 0.75 0.5 0.25
lab*nc 0.0 0.5 0.25

relative Inform. Technology (IT)
olv3* 0.75 0.701 0.25 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olv4* 1.0 0.951 0.5 (0.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.45 -1.92 46.98
LAB*LAB 71.45 -1.4 43.84
LAB*LAB 50.0 43.87 91.84

relative CIELAB lab*
lab*lab 0.69 -0.015 0.5
lab*ich 0.5 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*ich 0.69 0.0 0.5
lab*nch 0.0 0.5 0.25
lab*ic 0.5 0.5 0.25
lab*nc 0.0 0.5 0.25

relative Inform. Technology (IT)
olv3* 0.5 0.451 0.0 (1.0)
cmyn3* 0.5 0.549 1.0 (0.0)
olv4* 1.0 0.951 0.5 (0.0)
cmyn4* 0.0 0.049 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.1 -1.39 43.83
LAB*LAB 52.1 -1.39 43.83
LAB*LAB 25.01 43.86 91.84

relative CIELAB lab*
lab*lab 0.44 -0.015 0.5
lab*ich 0.25 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*ich 0.44 0.0 0.5
lab*nch 0.0 0.5 0.25
lab*ic 0.25 0.5 0.25
lab*nc 0.0 0.5 0.25

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.43 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.47
LAB*LAB 18.02 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 1.0 0.926 0.25 (1.0)
cmyn3* 0.0 0.074 0.75 (0.0)
olv4* 1.0 0.926 0.25 (1.0)
cmyn4* 0.0 0.074 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 88.49 -2.96 70.05
LAB*LAB 88.49 -2.1 65.76
LAB*LAB 62.5 65.79 91.84

relative CIELAB lab*
lab*lab 0.911 -0.023 0.75
lab*ich 0.625 0.75 0.25
lab*nch 0.0 0.75 0.25
relative Natural Colour (NC)
lab*ich 0.911 0.0 0.75
lab*nch 0.0 0.75 0.25
lab*ic 0.625 0.75 0.25
lab*nc 0.0 0.75 0.25

relative Inform. Technology (IT)
olv3* 0.75 0.676 0.0 (1.0)
cmyn3* 0.25 0.299 0.75 (0.0)
olv4* 1.0 0.926 0.25 (0.0)
cmyn4* 0.0 0.074 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 86.15 -3.62 91.81
LAB*LAB 86.15 -2.81 87.87
LAB*LAB 50.0 87.72 91.84

relative CIELAB lab*
lab*lab 0.661 -0.023 0.75
lab*ich 0.375 0.75 0.25
lab*nch 0.0 0.75 0.25
relative Natural Colour (NC)
lab*ich 0.661 0.0 0.75
lab*nch 0.0 0.75 0.25
lab*ic 0.375 0.75 0.25
lab*nc 0.0 0.75 0.25

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 50.0 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.43 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 25.00 0.01 -

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

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

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

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.50$

$n^* = 1.0$

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

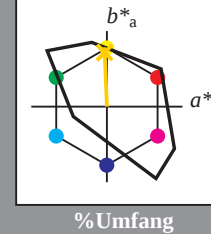
relative Buntheit c^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18 für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ich und lab^*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



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 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
lab*ic 1.0 0.0 0.0
lab*nc 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 75.00 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 50.0 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.83
LAB*LAB 37.37 0.0 0.0
LAB*LAB 25.00 0.01 -

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

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

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

$n^* = 1.0$

relative Buntheit c^*

relative Buntheit c^*

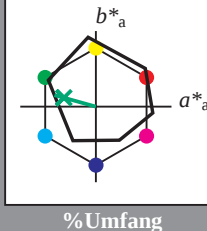
relative Buntheit c^*

relative Inform. Technology (IT)
olv3* 1.0 0.954 0.75 (1.0)
cmyn3* 0.0 0.046 0.25 (0.0)
olv4* 1.0 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 97.5 19.64 92.33

relative CIELAB lab*
lab*lab 0.968 -0.009 0.25
lab*ich 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*ich 0.968 0.0 0.25
lab*nch 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 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*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 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*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 55.00 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*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 (0.0)
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 37.36 -0.38 0.63
LAB*LAB 37.36 0.0 0.0
LAB*LAB 35.00 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*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 0.47
LAB*LAB 18.02 0.0 0.0
LAB*LAB 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

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 75.0 28.45 16.46

relative CIELAB lab*
lab*lab 0.75 -0.481 0.134
lab*ch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.725 -0.499 0.0
lab*trc 0.75 0.5 0.3
lab*ncc 0.0 0.5 0.800

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.375 (1.0)
cmyn3* 0.75 0.25 0.627 (0.0)
olv4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 54.76 -27.61 9.64
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 50.0 28.46 16.45

relative CIELAB lab*
lab*lab 0.475 -0.481 0.134
lab*ch 0.475 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.475 -0.499 0.0
lab*trc 0.475 0.5 0.3
lab*ncc 0.0 0.5 0.998

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.188 (1.0)
cmyn3* 1.0 0.0 0.812 (0.0)
olv4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.84
LAB*LAB 35.41 -27.4 7.63
LAB*LAB 37.51 42.69 16.45

relative CIELAB lab*
lab*lab 0.337 -0.721 0.201
lab*ch 0.337 0.75 0.457
lab*nch 0.0 0.75 0.457
relative Natural Colour (NC)
lab*trj 0.332 -0.749 0.0
lab*trc 0.337 0.75 0.3
lab*ncc 0.0 0.75 0.998

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.812 (1.0)
cmyn3* 1.0 0.0 0.188 (0.0)
olv4* 0.5 1.0 0.623 (0.5)
cmyn4* 0.5 0.0 0.377 (0.5)
standard and adapted CIELAB
LAB*LAB 35.41 -27.24 8.84
LAB*LAB 35.41 -27.4 7.63
LAB*LAB 37.51 42.69 16.45

relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*ch 0.225 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.499 0.0
lab*trc 0.225 0.5 0.3
lab*ncc 0.0 0.5 0.998

$n^* = 0.50$

$n^* = 0.00$

$n^* = 0.25$

Schwarzheit n^*

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Buntheit c^*

$n^* = 1.0$

$n^* = 0.75$

$n^* = 0.50$

$n^* = 0.25$

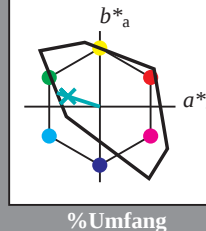
$n^* = 0.00$

relative Buntheit c^*

$n^* = 0.00$

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 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*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 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*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 55.00 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*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 (0.0)
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 37.37 0.0 0.63
LAB*LAB 37.37 0.0 0.0
LAB*LAB 35.00 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*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 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 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*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 0.91 (1.0)
cmyn3* 0.25 0.0 0.09 (0.0)
olv4* 0.75 1.0 0.91 (1.0)
cmyn4* 0.25 0.0 0.09 (0.0)
standard and adapted CIELAB
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 87.5 14.32 16.22

relative CIELAB lab*
lab*lab 0.97 -0.237 0.076
lab*ch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.97 -0.249 0.0
lab*trc 0.875 0.25 0.3
lab*ncc 0.0 0.25 0.800

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.66 (1.0)
cmyn3* 0.5 0.25 0.34 (0.0)
olv4* 0.75 1.0 0.91 (0.5)
cmyn4* 0.5 0.0 0.09 (0.5)
standard and adapted CIELAB
LAB*LAB 73.71 -14.21 4.56
LAB*LAB 73.71 -14.21 4.56
LAB*LAB 62.5 14.93 16.22

relative CIELAB lab*
lab*lab 0.72 -0.237 0.076
lab*ch 0.525 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.72 -0.249 0.0
lab*trc 0.525 0.25 0.3
lab*ncc 0.0 0.25 0.998

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olv4* 0.75 1.0 0.91 (0.5)
cmyn4* 0.75 0.0 0.09 (0.5)
standard and adapted CIELAB
LAB*LAB 54.36 -14.21 4.56
LAB*LAB 54.36 -14.21 4.56
LAB*LAB 50.0 29.86 16.22

relative CIELAB lab*
lab*lab 0.689 -0.475 0.153
lab*ch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.689 -0.499 0.0
lab*trc 0.625 0.5 0.3
lab*ncc 0.0 0.5 0.998

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.91 (0.5)
cmyn4* 1.0 0.0 0.09 (0.5)
standard and adapted CIELAB
LAB*LAB 32.01 -28.42 9.12
LAB*LAB 32.01 -28.42 9.12
LAB*LAB 25.01 29.86 16.22

relative CIELAB lab*
lab*lab 0.47 -0.237 0.076
lab*ch 0.375 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*trj 0.47 -0.249 0.0
lab*trc 0.375 0.25 0.3
lab*ncc 0.0 0.25 0.998

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 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

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 1.0 0.82 (1.0)
cmyn3* 0.5 0.0 0.18 (0.0)
olv4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 75.0 29.85 16.23

relative CIELAB lab*
lab*lab 0.939 -0.475 0.153
lab*ch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.939 -0.499 0.0
lab*trc 0.875 0.5 0.3
lab*ncc 0.0 0.5 0.800

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.375 (1.0)
cmyn3* 0.75 0.25 0.625 (0.0)
olv4* 0.5 1.0 0.82 (0.5)
cmyn4* 0.5 0.0 0.18 (0.5)
standard and adapted CIELAB
LAB*LAB 71.36 -28.42 9.12
LAB*LAB 71.36 -28.42 9.12
LAB*LAB 50.0 29.86 16.22

relative CIELAB lab*
lab*lab 0.889 -0.475 0.153
lab*ch 0.5 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.889 -0.499 0.0
lab*trc 0.825 0.5 0.3
lab*ncc 0.0 0.5 0.998

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.82 (0.5)
cmyn4* 1.0 0.0 0.18 (0.5)
standard and adapted CIELAB
LAB*LAB 32.01 -28.42 9.12
LAB*LAB 32.01 -28.42 9.12
LAB*LAB 25.01 29.86 16.22

relative CIELAB lab*
lab*lab 0.659 -0.713 0.229
lab*ch 0.375 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*trj 0.659 -0.749 0.0
lab*trc 0.625 0.5 0.3
lab*ncc 0.0 0.5 0.998

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 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*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 0.91 (1.0)
cmyn3* 0.25 0.0 0.09 (0.0)
olv4* 0.75 1.0 0.91 (1.0)
cmyn4* 0.25 0.0

