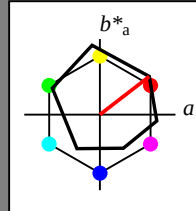


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*ch und lab^*nch

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)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIE LAB				
LAB*LAB	95.41	-0.98	4.75	
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 Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIE LAB				
LAB*LAB	83.54	15.58	16.58	
LAB*LAB	83.54	16.34	12.62	
LAB*LAB	83.54	16.34	12.62	
LAB*LAB	83.54	16.34	12.62	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
olv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIE LAB				
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	
LAB*LAB	71.67	32.69	25.25	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	61.93	0.936	0.306	
LAB*LAB	61.93	0.936	0.306	
LAB*LAB	61.93	0.936	0.306	
LAB*LAB	61.93	0.936	0.306	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	59.8	48.73	40.24	
LAB*LAB	59.8	48.73	40.24	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
olv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIE LAB				
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	
LAB*LAB	47.94	65.37	52.06	

NG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

5 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage NG51; Farbmetrik-Systeme ORS18 & TLS18 input: olv* setrgbcolor

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

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

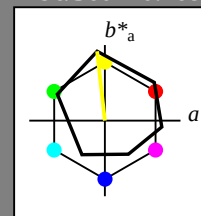
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
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*lab	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	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*lab	0.0	0.75	0.0	
lab*lab	0.0	0.0	0.75	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.0	0.75	0.0	
lab*lab	0.0	0.0	0.75	
lab*lab	0.0	0.0	0.0	

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

standard and adapted CIELAB

LAB*LAB	37.36	-0.33	0.63	
LAB*LAB	37.36	0.0	0.0	
LAB*LAB	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	
lab*lab	0.0	0.25	0.0	
lab*lab	0.0	0.0	0.25	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.0	0.25	0.0	
lab*lab	0.0	0.0	0.25	
lab*lab	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	18.02	0.03	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*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	18.02	0.03	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*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

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	1.0	0.5	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	0.5	(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	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
relative Natural Colour (NC)				
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	

standard and adapted CIELAB

LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
relative Natural Colour (NC)				
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	

standard and adapted CIELAB

LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
relative Natural Colour (NC)				
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	

standard and adapted CIELAB

LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
relative Natural Colour (NC)				
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	

standard and adapted CIELAB

LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	
LAB*LAB	92.88	-6.06	50.46	

relative CIELAB lab*

lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
relative Natural Colour (NC)				
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	
lab*lab	0.967	-0.055	0.497	

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

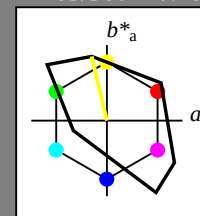
lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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	0.0	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*lab	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	0.0	1.0	0.0	
lab*lab	0.0	0.0	1.0	
lab*lab	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*lab	0.0	0.75	0.0	
lab*lab	0.0	0.0	0.75	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.0	0.75	0.0	
lab*lab	0.0	0.0	0.75	
lab*lab	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0	
LAB*LAB	56.72	0.0	0.0	
LAB*LAB	50.00	0.01	0.0	

relative CIELAB lab*

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

standard and adapted CIELAB

LAB*LAB	37.37	0.0	0.0	
LAB*LAB	37.37	0.0	0.0	
LAB*LAB	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	
lab*lab	0.0	0.25	0.0	
lab*lab	0.0	0.0	0.25	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.0	0.25	0.0	
lab*lab	0.0	0.0	0.25	
lab*lab	0.0	0.0	0.0	

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	

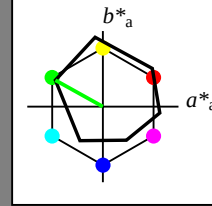
relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

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*TCHa 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*LABa 76.06 0.0 0.0
LAB*TCHa 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*LABa 56.71 0.0 0.0
LAB*TCHa 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 -
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 -0.38 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 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*LABa 18.02 0.0 0.0
LAB*TCHa 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 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 -

$n^* = 1.0$

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* 0.5 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*TCHa 75.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*ch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.712 -0.478 0.144
lab*trc 0.75 0.5 0.453
lab*ncc 0.0 0.5 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 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.41 17.48
LAB*TCHa 50.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.462 -0.436 0.243
lab*ch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.462 -0.478 0.144
lab*trc 0.75 0.5 0.453
lab*ncc 0.0 0.5 0.818

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

relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*ch 0.25 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.213 -0.478 0.144
lab*trc 0.25 0.5 0.453
lab*ncc 0.0 0.5 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.47
LAB*LABa 18.03 0.0 0.0
LAB*TCHa 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 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 -

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 62.02 -47.46 28.72
LAB*LABa 62.02 -47.11 26.21
LAB*TCHa 62.5 53.92 150.91

relative CIELAB lab*
lab*lab 0.569 -0.654 0.365
lab*ch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*trj 0.569 -0.717 0.217
lab*trc 0.625 0.75 0.453
lab*ncc 0.0 0.75 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*ch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*trc 0.5 1.0 0.453
lab*ncc 0.0 1.0 0.818

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

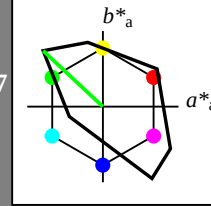
$n^* = 0.00$

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*TCHa 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*LABa 76.07 0.0 0.0
LAB*TCHa 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*LABa 56.72 0.0 0.0
LAB*TCHa 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 -
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*LABa 37.37 0.0 0.0
LAB*TCHa 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*LABa 18.03 0.0 0.0
LAB*TCHa 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 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 -

$n^* = 1.0$

relative Buntheit c^*

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 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 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*TCHa 75.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*ch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.712 -0.478 0.144
lab*trc 0.75 0.5 0.453
lab*ncc 0.0 0.5 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 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.41 17.48
LAB*TCHa 50.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.462 -0.436 0.243
lab*ch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*trj 0.462 -0.478 0.144
lab*trc 0.75 0.5 0.453
lab*ncc 0.0 0.5 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*ch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*trc 0.5 1.0 0.453
lab*ncc 0.0 1.0 0.818

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*ch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*trc 0.5 1.0 0.453
lab*ncc 0.0 1.0 0.818

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*ch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*trc 0.5 1.0 0.453
lab*ncc 0.0 1.0 0.818

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

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv4* 0.25 1.0 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 50.0 71.89 150.91

relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*ch 0.5 1.0 0.419
lab*nch 0.0 1.0 0.419
relative Natural Colour (NC)
lab*trj 0.425 -0.956 0.289
lab*trc 0.5 1.0 0.453
lab*ncc 0.0 1.0 0.818

$n^* = 0.25$

relative Buntheit c^*

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

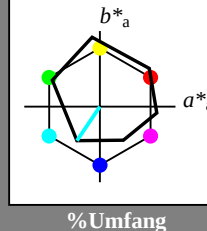
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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

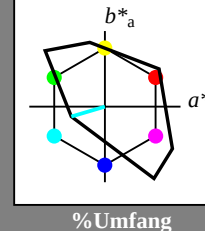
lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

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

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

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

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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.21 -8.39 -7.1
LAB*LABa 86.21 -7.57 -11.24
LAB*LABb 87.5 13.57 236.02

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*tr 0.881 -0.123 -0.216
lab*ce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.762 -0.247 -0.433
lab*ce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (1.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (1.0)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 -15.16 -22.5
LAB*LABb 50.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.643 -0.371 -0.65
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.643 -0.371 -0.65
lab*ce 0.625 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.86
LAB*LABa 30.57 -46.84 -46.86
LAB*LABb 30.57 -46.84 -46.86

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.394 -0.418 -0.621
lab*ce 0.375 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (0.75)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*tr 0.881 -0.123 -0.216
lab*ce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.762 -0.247 -0.433
lab*ce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (1.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (1.0)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 -15.16 -22.5
LAB*LABb 50.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.643 -0.371 -0.65
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.643 -0.371 -0.65
lab*ce 0.625 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.86
LAB*LABa 30.57 -46.84 -46.86
LAB*LABb 30.57 -46.84 -46.86

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.394 -0.418 -0.621
lab*ce 0.375 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 75.0 23.15 196.46

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*tr 0.881 -0.123 -0.216
lab*ce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.762 -0.247 -0.433
lab*ce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (1.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (1.0)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 -15.16 -22.5
LAB*LABb 50.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.643 -0.371 -0.65
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.643 -0.371 -0.65
lab*ce 0.625 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.86
LAB*LABa 30.57 -46.84 -46.86
LAB*LABb 30.57 -46.84 -46.86

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.394 -0.418 -0.621
lab*ce 0.375 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 75.0 23.15 196.46

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 76.06 -0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*tr 0.881 -0.123 -0.216
lab*ce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.762 -0.247 -0.433
lab*ce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (1.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (1.0)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 -15.16 -22.5
LAB*LABb 50.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.643 -0.371 -0.65
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.643 -0.371 -0.65
lab*ce 0.625 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.86
LAB*LABa 30.57 -46.84 -46.86
LAB*LABb 30.57 -46.84 -46.86

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.394 -0.418 -0.621
lab*ce 0.375 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.25 0.25 (0.75)
cmyn4* 0.25 0.25 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 71.93 -22.2 -6.55
LAB*LABa 71.93 -22.2 -6.55
LAB*LABb 75.0 23.15 196.46

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 0.0 0.0
LAB*LABb 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.881 -0.139 -0.206
lab*ch 0.875 0.25 0.546
lab*nch 0.0 0.25 0.546
relative Natural Colour (NC)
lab*tr 0.881 -0.123 -0.216
lab*ce 0.875 0.25 0.546
lab*nce 0.0 0.25 0.546

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (1.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -19.98
LAB*LABa 77.01 -15.16 -22.5
LAB*LABb 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*ch 0.75 0.5 0.546
lab*nch 0.0 0.5 0.546
relative Natural Colour (NC)
lab*tr 0.762 -0.247 -0.433
lab*ce 0.75 0.5 0.546
lab*nce 0.0 0.5 0.546

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (1.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (1.0)
standard and adapted CIELAB
LAB*LAB 56.71 -15.43 -20.29
LAB*LABa 56.71 -15.16 -22.5
LAB*LABb 50.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.643 -0.371 -0.65
lab*ch 0.625 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.643 -0.371 -0.65
lab*ce 0.625 0.75 0.546
lab*nce 0.0 0.75 0.546

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.57 -46.84 -46.86
LAB*LABa 30.57 -46.84 -46.86
LAB*LABb 30.57 -46.84 -46.86

relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*ch 0.375 0.75 0.546
lab*nch 0.0 0.75 0.546
relative Natural Colour (NC)
lab*tr 0.394 -0.418 -0.621
lab*ce 0.375 0.75 0.546
lab*nce 0.0 0.75 0.546

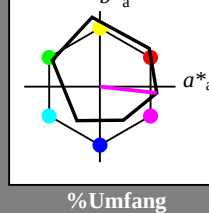
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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)
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 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 -

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*tr 0.75 0.0 0.0
lab*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 -

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

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 -0.33 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 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*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 0.0 0.0 -

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

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 -

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

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 -

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

%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

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

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

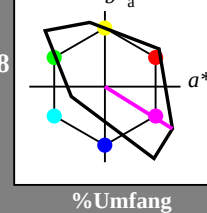
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 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 -

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

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 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 -

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

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 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 -

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

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 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 -

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 -

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*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 -

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

%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

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

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

NG510-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

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

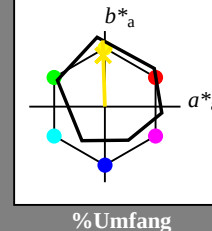
BAM-Prüfvorlage NG51; Farbmetrik-Systeme ORS18 & TLS18 input: $olv^*setrgbcolor$

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

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^*



relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

relative Inform. Technology (IT)

olv3*	1.0	0.975	0.75	(1.0)
olv4*	0.0	0.025	0.25	(0.0)
olv5*	0.0	0.075	0.75	(0.0)
olv6*	0.0	0.125	0.25	(0.0)
olv7*	0.0	0.175	0.75	(0.0)
olv8*	0.0	0.225	0.25	(0.0)
olv9*	0.0	0.275	0.75	(0.0)
olv10*	0.0	0.325	0.25	(0.0)
olv11*	0.0	0.375	0.75	(0.0)
olv12*	0.0	0.425	0.25	(0.0)
olv13*	0.0	0.475	0.75	(0.0)
olv14*	0.0	0.525	0.25	(0.0)
olv15*	0.0	0.575	0.75	(0.0)
olv16*	0.0	0.625	0.25	(0.0)
olv17*	0.0	0.675	0.75	(0.0)
olv18*	0.0	0.725	0.25	(0.0)
olv19*	0.0	0.775	0.75	(0.0)
olv20*	0.0	0.825	0.25	(0.0)
olv21*	0.0	0.875	0.75	(0.0)
olv22*	0.0	0.925	0.25	(0.0)
olv23*	0.0	0.975	0.75	(0.0)
olv24*	0.0	1.0	1.0	(1.0)

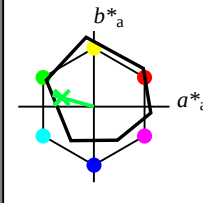
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
olv4* 0.25 0.25 0.25 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63
LAB*LAB 54.76 -27.41 7.63

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.4 7.63
LAB*LAB 35.41 -27.4 7.63
LAB*LAB 35.41 -27.4 7.63

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.45 -41.11 11.44
LAB*LAB 63.45 -41.11 11.44
LAB*LAB 63.45 -41.11 11.44

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.8 -54.81 15.36
LAB*LAB 52.8 -54.81 15.36
LAB*LAB 52.8 -54.81 15.36

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 -42.69 16.45
LAB*LAB 37.51 -42.69 16.45
LAB*LAB 37.51 -42.69 16.45

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
olv4* 0.25 0.25 0.25 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

$n^* = 1.0$

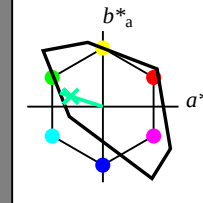
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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^*



%Umfang

$u^*_{rel} = 118$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
olv4* 0.25 0.25 0.25 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
olv4* 0.75 0.75 0.75 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
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
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
olv4* 0.0 0.0 0.0 (0.0)
olv5* 0.0 0.0 0.0 (0.0)
olv6* 0.0 0.0 0.0 (0.0)
olv7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.

