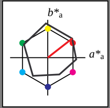
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

D50: Buntton O
LCH*Ma: 48 82 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

%Umfang
$u^*_{rel} = 94$
%Regularität
$g^*_{H,rel} = 65$
$g^*_{C,rel} = 60$

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
standard and adapted CIELAB				
*LAB*LAB*	95.46	−0.39	4.69	
*LAB*LABa*	95.46	0.0	0.0	
*LAB*TCHa*	99.99	0.01	−	
relative CIELAB lab*				
*lab*lab*	1.0	0.0	0.0	
*lab*tch*	1.0	0.0	−	
*lab*nch*	0.0	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	1.0	0.0	0.0	
*lab*tce*	1.0	0.0	−	
*lab*ncE*	0.0	0.0	−	

relative Inform. Technology (IT)				
*olvi3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0
standard and adapted CIELAB				
*LAB*LAB*	71.7	32.45	28.38	
*LAB*LABa*	71.7	32.52	25.26	
*LAB*TCHa*	75.0	41.18	37.84	
relative CIELAB lab*				
*lab*lab*	0.693	0.395	0.307	
*lab*tch*	0.75	0.5	0.105	
*lab*nch*	0.0	0.5	0.105	
relative Natural Colour (NC)				
*lab*lrj*	0.693	0.479	0.143	
*lab*tce*	0.75	0.5	0.046	
*lab*ncE*	0.0	0.5	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
*LAB*LAB*	56.78	0.13	2.11	
*LAB*LABa*	56.78	0.0	0.0	
*LAB*TCHa*	50.0	0.01	−	
relative CIELAB lab*				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	−	
*lab*nch*	0.5	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	−	
*lab*ncE*	0.5	0.0	−	

relative Inform. Technology (IT)				
*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	1.0	0.0	0.0	1.0
*cmyn4**	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
*LAB*LAB*	47.94	65.3	52.06	
*LAB*LABa*	47.94	65.04	50.53	
*LAB*TCHa*	50.0	82.36	37.84	
relative CIELAB lab*				
*lab*lab*	0.386	0.79	0.613	
*lab*tch*	0.5	1.0	0.105	
*lab*nch*	0.0	1.0	0.105	
relative Natural Colour (NC)				
*lab*lrj*	0.386	0.958	0.285	
*lab*tce*	0.5	1.0	0.046	
*lab*ncE*	0.0	1.0	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
*LAB*LAB*	33.02	32.98	25.8	
*LAB*LABa*	33.02	32.52	25.26	
*LAB*TCHa*	25.01	41.18	37.84	
relative CIELAB lab*				
*lab*lab*	0.193	0.395	0.307	
*lab*tch*	0.25	0.5	0.105	
*lab*nch*	0.5	0.5	0.105	
relative Natural Colour (NC)				
*lab*lrj*	0.193	0.479	0.143	
*lab*tce*	0.25	0.5	0.046	
*lab*ncE*	0.5	0.5	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
*LAB*LAB*	18.1	0.67	−0.46	
*LAB*LABa*	18.1	0.0	0.0	
*LAB*TCHa*	0.01	0.01	−	
relative CIELAB lab*				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	−	
*lab*nch*	1.0	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	−	
*lab*ncE*	1.0	0.0	−	

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

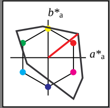
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 38/360 = 0.107$
lab^*tch und lab^*nch

D50: Buntton O
LCH*Ma: 54 101 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



TLS00; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

%Umfang
$u^*_{rel} = 156$
%Regularität
$g^*_{H,rel} = 26$
$g^*_{C,rel} = 45$

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
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*tch*	1.0	0.0	−	
*lab*nch*	0.0	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	1.0	0.0	0.0	
*lab*tce*	1.0	0.0	−	
*lab*ncE*	0.0	0.0	−	

relative Inform. Technology (IT)				
*olvi3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0
standard and adapted CIELAB				
*LAB*LAB*	74.79	39.67	31.49	
*LAB*LABa*	74.79	39.67	31.49	
*LAB*TCHa*	75.0	50.65	38.44	
relative CIELAB lab*				
*lab*lab*	0.784	0.392	0.311	
*lab*tch*	0.75	0.5	0.107	
*lab*nch*	0.0	0.5	0.107	
relative Natural Colour (NC)				
*lab*lrj*	0.784	0.479	0.142	
*lab*tce*	0.75	0.5	0.046	
*lab*ncE*	0.0	0.5	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	−	
relative CIELAB lab*				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	−	
*lab*nch*	0.5	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	−	
*lab*ncE*	0.5	0.0	−	

relative Inform. Technology (IT)				
*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	1.0	0.0	0.0	1.0
*cmyn4**	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
*LAB*LAB*	54.19	79.34	62.99	
*LAB*LABa*	54.19	79.34	62.99	
*LAB*TCHa*	50.0	101.31	38.44	
relative CIELAB lab*				
*lab*lab*	0.568	0.783	0.622	
*lab*tch*	0.5	1.0	0.107	
*lab*nch*	0.0	1.0	0.107	
relative Natural Colour (NC)				
*lab*lrj*	0.568	0.958	0.285	
*lab*tce*	0.5	1.0	0.046	
*lab*ncE*	0.0	1.0	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
*LAB*LAB*	27.1	39.67	31.49	
*LAB*LABa*	27.1	39.67	31.49	
*LAB*TCHa*	25.01	50.65	38.44	
relative CIELAB lab*				
*lab*lab*	0.284	0.392	0.311	
*lab*tch*	0.25	0.5	0.107	
*lab*nch*	0.5	0.5	0.107	
relative Natural Colour (NC)				
*lab*lrj*	0.284	0.479	0.142	
*lab*tce*	0.25	0.5	0.046	
*lab*ncE*	0.5	0.5	r18j	

relative Inform. Technology (IT)				
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
*LAB*LAB*	0.03	0.0	0.0	
*LAB*LABa*	0.03	0.0	0.0	
*LAB*TCHa*	0.01	0.01	−	
relative CIELAB lab*				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	−	
*lab*nch*	1.0	0.0	−	
relative Natural Colour (NC)				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	−	
*lab*ncE*	1.0	0.0	−	

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

$n^* = 1{,}0$

QG100−7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links) 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.107 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/QG10/
Technische Information: http://www.ps.bam.de Version 2.1, io=0,0

BAM-Registrierung: 20060101-QG10/L10G00N1.PS/.TXT BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/QG10/ Form: 1/10, Serie: 1/1, Seite: 1
Seitenzählung 1