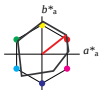


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18
für Buntton $h^* = lab^*h = 38/360 = 0.106$
 lab^*ch und lab^*nch



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

Dreiecks-Helligkeit t^*

%Umfang	$u^*_{rel} = 96$
%Regulartät	$g^*_{rel} = -385$
	$g^*_{Crel} = 62$
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 95.6 0.43 4.65	
LAB*LABo 95.6 0.0 0.0	
LAB*TCHo 99.99 0.01	
relative CIELAB lab*	
lab*lab 1.0 0.5 0.0 (1.0)	
lab*ch 1.0 0.0 -	
lab*nch 0.0 0.0 -	
relative Natural Colour (NC)	
lab*lrj 1.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	
lab*nce 0.0 0.0 -	

relative Inform. Technology (IT)	
olv3* 0.5 0.5 0.5 (1.0)	
cmyn3* 0.5 0.5 0.5 (0.0)	
olv4* 1.0 1.0 1.0 (0.5)	
cmyn4* 0.0 0.0 0.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 56.86 0.8 2.08	
LAB*LABo 56.86 0.0 0.0	
LAB*TCHo 50.0 0.01	
relative CIELAB lab*	
lab*lab 0.5 0.0 0.0	
lab*ch 0.5 0.0 0.0	
lab*nch 0.5 0.0 -	
relative Natural Colour (NC)	
lab*lrj 0.5 0.0 0.0	
lab*nce 0.5 0.0 0.0	
lab*nce 0.5 0.0 -	

relative Inform. Technology (IT)	
olv3* 1.0 1.0 1.0 (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 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.12 1.18 -0.49	
LAB*LABo 18.12 0.0 0.0	
LAB*TCHo 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*lrj 0.0 0.0 0.0	
lab*nce 0.0 0.0 0.0	
lab*nce 0.0 0.0 -	

$n^* = 1.0$

relative Inform. Technology (IT)	
olv3* 1.0 0.5 0.5 (1.0)	
cmyn3* 0.0 0.5 0.5 (0.0)	
olv4* 1.0 0.5 0.5 (0.0)	
cmyn4* 0.0 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 71.77 32.86 28.36	
LAB*LABo 71.77 32.86 28.36	
LAB*TCHo 75.0 40.94 38.14	
relative CIELAB lab*	
lab*lab 0.692 0.393 0.309	
lab*ch 0.75 0.5 0.106	
lab*nch 0.0 0.5 0.106	
relative Natural Colour (NC)	
lab*lrj 0.692 0.496 0.064	
lab*nce 0.75 0.5 0.02	
lab*nce 0.0 0.5 r08	

relative Inform. Technology (IT)	
olv3* 0.5 0.0 0.0 (1.0)	
cmyn3* 0.5 0.0 0.0 (0.0)	
olv4* 1.0 0.5 0.5 (0.5)	
cmyn4* 0.0 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 33.03 33.24 25.79	
LAB*LABo 33.03 32.2 25.28	
LAB*TCHo 25.01 40.94 38.14	
relative CIELAB lab*	
lab*lab 0.193 0.393 0.309	
lab*ch 0.25 0.5 0.106	
lab*nch 0.5 1.0 0.106	
relative Natural Colour (NC)	
lab*lrj 0.193 0.496 0.064	
lab*nce 0.25 0.5 0.02	
lab*nce 0.5 0.5 r08	

relative Inform. Technology (IT)	
olv3* 0.0 0.0 0.0 (1.0)	
cmyn3* 0.5 1.0 1.0 (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 18.12 1.18 -0.49	
LAB*LABo 18.12 0.0 0.0	
LAB*TCHo 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*lrj 0.0 0.0 0.0	
lab*nce 0.0 0.0 0.0	
lab*nce 0.0 0.0 -	

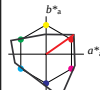
ORS18; adaptierte CIELAB-Daten			
$L^*a^*b^*$	a^*	b^*	C^*_{ab}
O _{Ma} 47.94	64.42	50.58	81.9
Y _{Ma} 92.62	2.41	86.36	86.39
L _{Ma} 50.9	-63.82	50.03	72.81
C _{Ma} 51.25	-53.68	-57.69	78.82
V _{Ma} 25.72	30.34	-44.37	53.76
M _{Ma} 56.25	70.59	7.57	70.99
N _{Ma} 18.11	0.0	0.0	0.0
W _{Ma} 95.6	0.0	0.0	0.0
R _{CIE} 47.79	60.85	41.08	73.41
J _{CIE} 83.82	6.52	66.9	67.22
G _{CIE} 49.0	-36.83	2.78	36.95
B _{CIE} 25.14	-18.35	-56.22	59.15

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00
für Buntton $h^* = lab^*h = 35/360 = 0.097$
 lab^*ch und lab^*nch



A: Buntton O
LCH*Ma: 66 90 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*

%Umfang	$u^*_{rel} = 141$
%Regulartät	$g^*_{rel} = 39$
	$g^*_{Crel} = 43$
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*LABo 95.41 0.0 0.0	
LAB*TCHo 99.99 0.01	
relative CIELAB lab*	
lab*lab 1.0 0.0 0.0	
lab*ch 1.0 0.0 -	
lab*nch 0.0 0.0 -	
relative Natural Colour (NC)	
lab*lrj 1.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	
lab*nce 0.0 0.0 -	

relative Inform. Technology (IT)	
olv3* 0.5 0.5 0.5 (1.0)	
cmyn3* 0.5 0.5 0.5 (0.0)	
olv4* 1.0 1.0 1.0 (0.5)	
cmyn4* 0.0 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 47.72 0.0 0.0	
LAB*LABo 47.72 0.0 0.0	
LAB*TCHo 50.0 0.01	
relative CIELAB lab*	
lab*lab 0.5 0.0 0.0	
lab*ch 0.5 0.0 0.0	
lab*nch 0.5 0.0 -	
relative Natural Colour (NC)	
lab*lrj 0.5 0.0 0.0	
lab*nce 0.5 0.0 0.0	
lab*nce 0.5 0.0 -	

relative Inform. Technology (IT)	
olv3* 1.0 1.0 1.0 (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 (0.0)	
standard and adapted CIELAB	
LAB*LAB 0.03 0.0 0.0	
LAB*LABo 0.03 0.0 0.0	
LAB*TCHo 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*lrj 0.0 0.0 0.0	
lab*nce 0.0 0.0 0.0	
lab*nce 0.0 0.0 -	

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten			
$L^*a^*b^*$	a^*	b^*	C^*_{ab}
O _{Ma} 65.56	73.34	51.39	89.55
Y _{Ma} 94.78	-3.49	52.24	52.36
L _{Ma} 77.48	-92.97	36.0	99.71
C _{Ma} 78.36	-82.69	-22.74	85.77
V _{Ma} 12.55	38.81	-114.81	121.2
M _{Ma} 66.71	76.08	-29.8	81.71
N _{Ma} 0.01	0.0	0.0	0.0
W _{Ma} 95.41	0.0	0.0	0.0
R _{CIE} 47.79	61.74	42.56	74.99
J _{CIE} 83.82	7.06	70.78	71.13
G _{CIE} 49.0	-35.95	4.34	36.22
B _{CIE} 25.14	-17.24	-56.24	58.84

relative Inform. Technology (IT)	
olv3* 1.0 0.5 0.5 (1.0)	
cmyn3* 0.0 0.5 0.5 (0.0)	
olv4* 1.0 0.5 0.5 (0.0)	
cmyn4* 0.0 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 80.48 36.66 25.69	
LAB*LABo 80.48 36.66 25.69	
LAB*TCHo 75.0 44.77 35.02	
relative CIELAB lab*	
lab*lab 0.843 0.409 0.287	
lab*ch 0.75 0.5 0.097	
lab*nch 0.0 0.5 0.097	
relative Natural Colour (NC)	
lab*lrj 0.843 0.5 0.007	
lab*nce 0.75 0.5 0.002	
lab*nce 0.0 0.5 r08	

relative Inform. Technology (IT)	
olv3* 0.5 0.0 0.0 (1.0)	
cmyn3* 0.5 1.0 1.0 (0.0)	
olv4* 1.0 0.5 0.5 (0.5)	
cmyn4* 0.0 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 32.79 36.66 25.69	
LAB*LABo 32.79 36.66 25.69	
LAB*TCHo 25.01 44.77 35.02	
relative CIELAB lab*	
lab*lab 0.344 0.409 0.287	
lab*ch 0.25 0.5 0.097	
lab*nch 0.5 1.0 0.097	
relative Natural Colour (NC)	
lab*lrj 0.344 0.5 0.007	
lab*nce 0.25 0.5 0.002	
lab*nce 0.5 0.5 r08	

relative Inform. Technology (IT)	
olv3* 1.0 1.0 1.0 (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 (0.0)	
standard and adapted CIELAB	
LAB*LAB 0.03 0.0 0.0	
LAB*LABo 0.03 0.0 0.0	
LAB*TCHo 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*lrj 0.0 0.0 0.0	
lab*nce 0.0 0.0 0.0	
lab*nce 0.0 0.0 -	

$n^* = 1.0$

Schwarzheit n^*

relative Buntheit c^*

SG100-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.106 (links)

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

BAM-Prüfvorlage SG10; Farbmetrik-Systeme ORS18 & TLS00 input: cmy0* setcmykcolor
A: 2 Koordinatendaten; 3 stufige Farbreihen für 10 Bunttöne output: no change compared to input