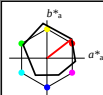


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

$u^*_{rel} = 93$

%Regulartät

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

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

ORS18; adaptierte CIELAB-Daten

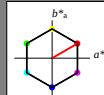
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 47.94	65.39	50.52	82.63	38
Y _{Ma} 90.37	-10.26	91.75	92.32	96
L _{Ma} 50.9	-62.83	34.96	71.91	151
C _{Ma} 58.62	-30.34	-45.01	54.3	236
V _{Ma} 25.72	31.1	-44.4	54.22	305
M _{Ma} 48.13	75.28	-8.36	75.74	354
N _{Ma} 18.01	0.0	0.0	0.0	0
W _{Ma}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

Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$
 lab^*ch und lab^*nch

D65: Buntton O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 100$

%Regulartät

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adaptierte CIELAB-Daten

$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 56.71	67.03	38.7	77.4	30
Y _{Ma} 56.71	0.0	77.4	77.4	90
L _{Ma} 56.71	-67.02	38.7	77.4	150
C _{Ma} 56.71	-67.02	-38.69	77.4	210
V _{Ma} 56.71	0.0	-77.39	77.4	270
M _{Ma} 56.71	67.03	-38.69	77.4	330
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
G _{CIE} 81.26	-2.88	71.56	71.62	92
B _{CIE} 52.23	-42.41	13.6	44.55	162
B _{CIE} 30.57	1.41	-46.46	46.49	272

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*TChe 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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$
 standard and adapted CIELAB
 LAB*LAB 56.72 0.0 0.0
 LAB*LAB 56.72 0.0 0.0
 LAB*TChe 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)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

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*TChe 0.01 0.01 -

relative CIELAB lab*
 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 1.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ 1.0$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ 0.0$
 standard and adapted CIELAB
 LAB*LAB 76.06 33.51 19.35
 LAB*LAB 76.06 33.51 19.35
 LAB*TChe 75.0 38.69 30.0

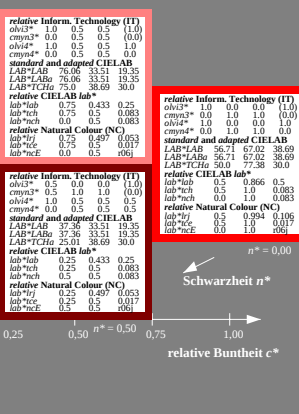
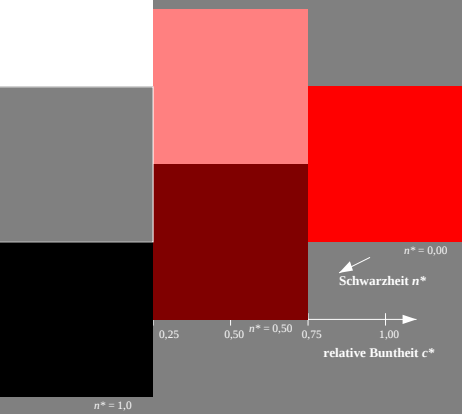
relative CIELAB lab*
 $lab^*lab = 0.75 \ 0.433 \ 0.25$
 $lab^*ch = 0.75 \ 0.5 \ 0.083$
 $lab^*nch = 0.0 \ 0.5 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.497 \ 0.053$
 $lab^*tce = 0.75 \ 0.5 \ 0.017$
 $lab^*nce = 0.0 \ 0.5 \ 0.061$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ 0.5$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ 0.5$
 standard and adapted CIELAB
 LAB*LAB 37.36 33.51 19.35
 LAB*LAB 37.36 33.51 19.35
 LAB*TChe 25.01 38.69 30.0

relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.433 \ 0.25$
 $lab^*ch = 0.25 \ 0.5 \ 0.083$
 $lab^*nch = 0.5 \ 0.5 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj = 0.25 \ 0.497 \ 0.053$
 $lab^*tce = 0.25 \ 0.5 \ 0.017$
 $lab^*nce = 0.5 \ 0.5 \ 0.061$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ 1.0$
 $cmyn4^* = 0.0 \ 1.0 \ 1.0 \ 0.0$
 standard and adapted CIELAB
 LAB*LAB 56.71 67.02 38.69
 LAB*LAB 56.71 67.02 38.69
 LAB*TChe 50.0 77.38 30.0

relative CIELAB lab*
 $lab^*lab = 0.5 \ 0.866 \ 0.5$
 $lab^*ch = 0.5 \ 1.0 \ 0.083$
 $lab^*nch = 0.0 \ 1.0 \ 0.083$
 relative Natural Colour (NC)
 $lab^*trj = 0.5 \ 0.994 \ 0.106$
 $lab^*tce = 0.5 \ 1.0 \ 0.017$
 $lab^*nce = 0.0 \ 1.0 \ 0.061$



Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1.1, CIELAB

BAM-Registrierung: 20060101-NG02/L02G00F1.PS/.TXT
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen

BAM-Material-Code=thada
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Seite 3 von 11

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage NG02; Farbmetrik-Systeme ORS18 & SRS18 input: $olv^* \text{ setrgbcolor}$
D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$