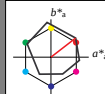


Eingabe: Farbmetrisches Reflexions-System ORS18

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

$u^*_{rel} = 93$

%Regelartit

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

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

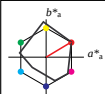
ORS18; adaptierte CIELAB-Daten					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
Oma	47.94	65.37	50.52	82.62	38
Yma	90.37	-10.27	91.77	92.34	96
Lma	50.9	-62.79	34.95	71.87	151
Cma	58.62	-30.35	-45.01	54.3	236
Vma	25.71	31.11	-44.42	54.24	305
Mma	48.13	75.27	-8.35	75.73	354
Nma	18.01	0.0	0.0	0.0	0
Wma	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
ICIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

Ausgabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 31/360 = 0.086$
 lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 58 83 71
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

%Regelartit

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

MRS18a; adaptierte CIELAB-Daten					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
Rma	49.63	66.8	40.02	77.87	31
Yma	90.7	-7.27	93.19	93.48	94
Gma	52.11	-69.93	11.26	70.85	171
B50Bma	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50Rma	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
ICIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	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 0.01 0.0
 LAB*LABa 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)
 $lab^*lrj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 56.71 0.05 0.0
 LAB*LABa 56.71 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)
 $lab^*lrj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 18.02 0.1 0.02
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHe 0.01 0.01 -

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

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 72.52 33.43 20.01
 LAB*LABa 72.52 33.39 20.01
 LAB*TCHe 75.0 38.93 30.93

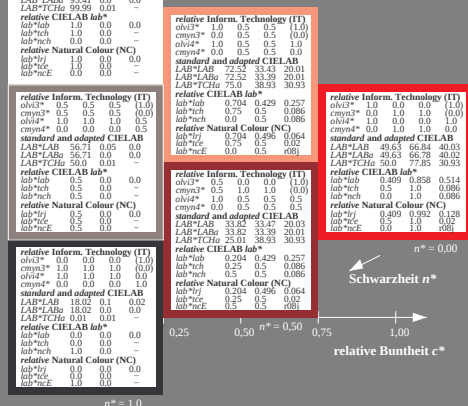
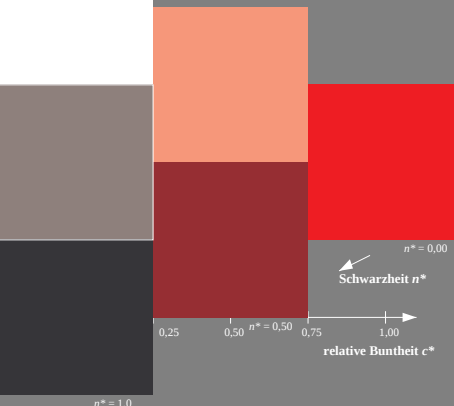
relative CIELAB lab*
 $lab^*lab = 0.704 \ 0.429 \ 0.257$
 $lab^*ch = 0.75 \ 0.5 \ 0.086$
 $lab^*nch = 0.0 \ 0.5 \ 0.086$
 relative Natural Colour (NC)
 $lab^*lrj = 0.704 \ 0.496 \ 0.064$
 $lab^*tce = 0.75 \ 0.5 \ 0.02$
 $lab^*nce = 0.0 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 33.83 33.47 20.03
 LAB*LABa 33.83 33.39 20.01
 LAB*TCHe 25.01 38.93 30.93

relative CIELAB lab*
 $lab^*lab = 0.204 \ 0.429 \ 0.257$
 $lab^*ch = 0.25 \ 0.5 \ 0.086$
 $lab^*nch = 0.5 \ 0.5 \ 0.086$
 relative Natural Colour (NC)
 $lab^*lrj = 0.204 \ 0.496 \ 0.064$
 $lab^*tce = 0.25 \ 0.5 \ 0.02$
 $lab^*nce = 0.5 \ 0.5 \ (0.0)$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 0.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 49.63 66.84 40.03
 LAB*LABa 49.63 66.78 40.02
 LAB*TCHe 50.0 77.85 30.93

relative CIELAB lab*
 $lab^*lab = 0.409 \ 0.858 \ 0.514$
 $lab^*ch = 0.409 \ 0.992 \ 0.128$
 $lab^*nch = 0.5 \ 1.0 \ 0.02$
 relative Natural Colour (NC)
 $lab^*lrj = 0.409 \ 0.992 \ 0.128$
 $lab^*tce = 0.5 \ 1.0 \ 0.02$
 $lab^*nce = 0.0 \ 1.0 \ (0.0)$



UG010-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (rechts)

BAM-Prüfvorlage UG01; Farbmetrik-Systeme ORS18 & MRS18a; Input: cmy0* setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöne; Output: no change compared to input