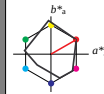


Eingabe: Farbmetrisches Reflexions-System MRS18

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

D65: Buntton R
LCH*Ma: 50 77 30
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

%Regelartit

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
GMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50BMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
NMa	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 NCS11

für Buntton $h^* = lab^*h = 24/360 = 0.066$
 lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 47 92 24
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 149$

%Regelartit

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
GMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50BMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
NMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
ICIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-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 0.0 -0.01
 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)
 $lab^*lrj \ 1.0 \ 0.0 \ 0.0$
 $lab^*tce \ 1.0 \ 0.0 \ -$
 $lab^*nce \ 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmyn3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.5)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (0.5)$
 standard and adapted CIELAB
 LAB*LAB 53.21 0.04 0.0
 LAB*Lab 53.21 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)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*Lab 11.01 0.0 0.0
 LAB*TChe 10.01 0.01 -

relative CIELAB lab*
 $lab^*lab \ 0.0 \ 0.0 \ 0.0$
 $lab^*ch \ 0.0 \ 0.0 \ 0.0$
 $lab^*nch \ 1.0 \ 0.0 \ -$
 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 71.27 42.34 18.63
 LAB*Lab 71.27 42.31 18.62
 LAB*TChe 75.0 46.23 23.75

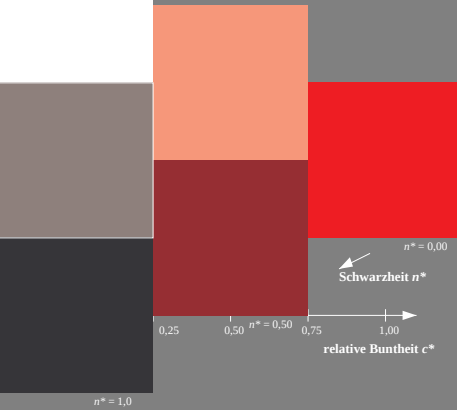
relative CIELAB lab*
 $lab^*lab \ 0.714 \ 0.458 \ 0.201$
 $lab^*ch \ 0.75 \ 0.5 \ 0.066$
 $lab^*nch \ 0.0 \ 0.5 \ 0.066$
 $lab^*lrj \ 0.714 \ 0.5 \ -0.011$
 $lab^*tce \ 0.75 \ 0.5 \ 0.996$
 $lab^*nce \ 0.0 \ 0.5 \ 0.998$

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 29.07 42.38 18.64
 LAB*Lab 29.07 42.31 18.62
 LAB*TChe 25.01 46.23 23.75

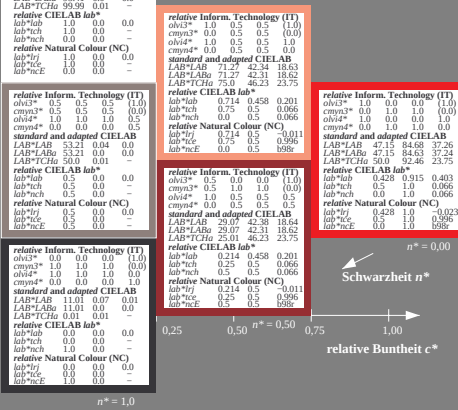
relative CIELAB lab*
 $lab^*lab \ 0.214 \ 0.458 \ 0.201$
 $lab^*ch \ 0.25 \ 0.5 \ 0.066$
 $lab^*nch \ 0.5 \ 1.0 \ 0.066$
 $lab^*lrj \ 0.214 \ 0.5 \ -0.011$
 $lab^*tce \ 0.25 \ 0.5 \ 0.996$
 $lab^*nce \ 0.5 \ 0.5 \ 0.998$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn4^* = 0.0 \ 1.0 \ 1.0 \ (0.0)$
 standard and adapted CIELAB
 LAB*LAB 47.15 84.68 37.26
 LAB*Lab 47.15 84.63 37.24
 LAB*TChe 50.0 92.46 23.75

relative CIELAB lab*
 $lab^*lab \ 0.428 \ 0.915 \ 0.403$
 $lab^*ch \ 0.428 \ 1.0 \ 0.066$
 $lab^*nch \ 0.0 \ 1.0 \ 0.066$
 $lab^*lrj \ 0.428 \ 1.0 \ -0.023$
 $lab^*tce \ 0.5 \ 1.0 \ 0.996$
 $lab^*nce \ 0.0 \ 1.0 \ 0.998$



Schwarzheit n^*



Schwarzheit n^*

UG03-7, 3 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

3 stufige Reihen für konstanten CIELAB Buntton 24/360 = 0.066 (rechts)

BAM-Prüfvorlage UG03; Farbmetrik-Systeme MRS18 & NCS11input: cmy0* setcmykcolor

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