

Eingabe: Farbmetrisches Reflexions-System ORS18

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

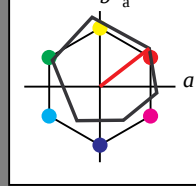
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi6* 1.0 1.0 1.0 (1.0)

olvi7* 1.0 1.0 1.0 (1.0)

olvi8* 1.0 1.0 1.0 (1.0)

olvi9* 1.0 1.0 1.0 (1.0)

olvi10* 1.0 1.0 1.0 (1.0)

olvi11* 1.0 1.0 1.0 (1.0)

olvi12* 1.0 1.0 1.0 (1.0)

olvi13* 1.0 1.0 1.0 (1.0)

olvi14* 1.0 1.0 1.0 (1.0)

olvi15* 1.0 1.0 1.0 (1.0)

olvi16* 1.0 1.0 1.0 (1.0)

olvi17* 1.0 1.0 1.0 (1.0)

olvi18* 1.0 1.0 1.0 (1.0)

olvi19* 1.0 1.0 1.0 (1.0)

olvi20* 1.0 1.0 1.0 (1.0)

olvi21* 1.0 1.0 1.0 (1.0)

olvi22* 1.0 1.0 1.0 (1.0)

olvi23* 1.0 1.0 1.0 (1.0)

olvi24* 1.0 1.0 1.0 (1.0)

olvi25* 1.0 1.0 1.0 (1.0)

olvi26* 1.0 1.0 1.0 (1.0)

olvi27* 1.0 1.0 1.0 (1.0)

olvi28* 1.0 1.0 1.0 (1.0)

olvi29* 1.0 1.0 1.0 (1.0)

olvi30* 1.0 1.0 1.0 (1.0)

olvi31* 1.0 1.0 1.0 (1.0)

olvi32* 1.0 1.0 1.0 (1.0)

olvi33* 1.0 1.0 1.0 (1.0)

olvi34* 1.0 1.0 1.0 (1.0)

olvi35* 1.0 1.0 1.0 (1.0)

olvi36* 1.0 1.0 1.0 (1.0)

olvi37* 1.0 1.0 1.0 (1.0)

olvi38* 1.0 1.0 1.0 (1.0)

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
JCIE	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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.5 (1.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi6* 1.0 0.5 0.5 (1.0)

olvi7* 1.0 0.5 0.5 (1.0)

olvi8* 1.0 0.5 0.5 (1.0)

olvi9* 1.0 0.5 0.5 (1.0)

olvi10* 1.0 0.5 0.5 (1.0)

olvi11* 1.0 0.5 0.5 (1.0)

olvi12* 1.0 0.5 0.5 (1.0)

olvi13* 1.0 0.5 0.5 (1.0)

olvi14* 1.0 0.5 0.5 (1.0)

olvi15* 1.0 0.5 0.5 (1.0)

olvi16* 1.0 0.5 0.5 (1.0)

olvi17* 1.0 0.5 0.5 (1.0)

olvi18* 1.0 0.5 0.5 (1.0)

olvi19* 1.0 0.5 0.5 (1.0)

olvi20* 1.0 0.5 0.5 (1.0)

olvi21* 1.0 0.5 0.5 (1.0)

olvi22* 1.0 0.5 0.5 (1.0)

olvi23* 1.0 0.5 0.5 (1.0)

olvi24* 1.0 0.5 0.5 (1.0)

olvi25* 1.0 0.5 0.5 (1.0)

olvi26* 1.0 0.5 0.5 (1.0)

olvi27* 1.0 0.5 0.5 (1.0)

olvi28* 1.0 0.5 0.5 (1.0)

olvi29* 1.0 0.5 0.5 (1.0)

olvi30* 1.0 0.5 0.5 (1.0)

olvi31* 1.0 0.5 0.5 (1.0)

olvi32* 1.0 0.5 0.5 (1.0)

olvi33* 1.0 0.5 0.5 (1.0)

Ausgabe: Farbmetrisches Reflexions-System MRS18

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

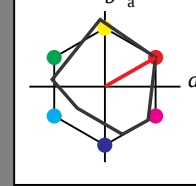
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi6* 1.0 1.0 1.0 (1.0)

olvi7* 1.0 1.0 1.0 (1.0)

olvi8* 1.0 1.0 1.0 (1.0)

olvi9* 1.0 1.0 1.0 (1.0)

olvi10* 1.0 1.0 1.0 (1.0)

olvi11* 1.0 1.0 1.0 (1.0)

olvi12* 1.0 1.0 1.0 (1.0)

olvi13* 1.0 1.0 1.0 (1.0)

olvi14* 1.0 1.0 1.0 (1.0)

olvi15* 1.0 1.0 1.0 (1.0)

olvi16* 1.0 1.0 1.0 (1.0)

olvi17* 1.0 1.0 1.0 (1.0)

olvi18* 1.0 1.0 1.0 (1.0)

olvi19* 1.0 1.0 1.0 (1.0)

olvi20* 1.0 1.0 1.0 (1.0)

olvi21* 1.0 1.0 1.0 (1.0)

olvi22* 1.0 1.0 1.0 (1.0)

olvi23* 1.0 1.0 1.0 (1.0)

olvi24* 1.0 1.0 1.0 (1.0)

olvi25* 1.0 1.0 1.0 (1.0)

olvi26* 1.0 1.0 1.0 (1.0)

olvi27* 1.0 1.0 1.0 (1.0)

olvi28* 1.0 1.0 1.0 (1.0)

olvi29* 1.0 1.0 1.0 (1.0)

olvi30* 1.0 1.0 1.0 (1.0)

olvi31* 1.0 1.0 1.0 (1.0)

olvi32* 1.0 1.0 1.0 (1.0)

olvi33* 1.0 1.0 1.0 (1.0)

olvi34* 1.0 1.0 1.0 (1.0)

olvi35* 1.0 1.0 1.0 (1.0)

olvi36* 1.0 1.0 1.0 (1.0)

olvi37* 1.0 1.0 1.0 (1.0)

olvi38* 1.0 1.0 1.0 (1.0)

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
JMa	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
B50RMa	34.94	57.17	-44.26	72.31	322
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
JCIE	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

%Regularität

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

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

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.5 (1.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi6* 1.0 0.5 0.5 (1.0)

olvi7* 1.0 0.5 0.5 (1.0)

olvi8* 1.0 0.5 0.5 (1.0)

olvi9* 1.0 0.5 0.5 (1.0)

olvi10* 1.0 0.5 0.5 (1.0)

olvi11* 1.0 0.5 0.5 (1.0)

olvi12* 1.0 0.5 0.5 (1.0)

olvi13* 1.0 0.5 0.5 (1.0)

olvi14* 1.0 0.5 0.5 (1.0)

olvi15* 1.0 0.5 0.5 (1.0)

olvi16* 1.0 0.5 0.5 (1.0)

olvi17* 1.0 0.5 0.5 (1.0)

olvi18* 1.0 0.5 0.5 (1.0)

olvi19* 1.0 0.5 0.5 (1.0)

olvi20* 1.0 0.5 0.5 (1.0)

olvi21* 1.0 0.5 0.5 (1.0)

olvi22* 1.0 0.5 0.5 (1.0)

olvi23* 1.0 0.5 0.5 (1.0)

olvi24* 1.0 0.5 0.5 (1.0)

olvi25* 1.0 0.5 0.5 (1.0)

olvi26* 1.0 0.5 0.5 (1.0)

olvi27* 1.0 0.5 0.5 (1.0)

olvi28* 1.0 0.5 0.5 (1.0)

olvi29* 1.0 0.5 0.5 (1.0)

olvi30* 1.0 0.5 0.5 (1.0)

olvi31* 1.0 0.5 0.5 (1.0)

olvi32* 1.0 0.5 0.5 (1.0)

olvi33* 1.0 0.5 0.5 (1.0)

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

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

BAM-Prüfvorlage UG50; Farbmetrik-Systeme ORS18 & MRS18input: cmy0* setcmykcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: no change compared to input

BAM-Registrierung: 20060101-UG50/10L/L50G02NP.PS/.PDF BAM-Material: Code=rhataata
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
/1/G50/ Form: 3/0 Serie: 1/1 Seite: 3 Seiteninhalt: 3

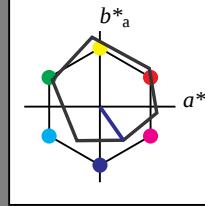
Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

lab^*ch und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



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
JCIE	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

%Regularität

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

$g^*_{C,rel} = 15.55$

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)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
LAB*LAB 77.98 7.13 -7.51
LAB*Lab 77.98 7.13 -7.51
LAB*TCa 87.5 15.79 290.19

relative Inform. Technology (IT)
olvi3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 1.0 (1.0)
olvi4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 1.0 (1.0)
LAB*LAB 60.56 15.24 -19.79
LAB*Lab 60.56 15.24 -19.79
LAB*TCa 75.0 27.11 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.25 0.25 1.0 (1.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 1.0 (1.0)
LAB*LAB 43.14 23.35 -33.31
LAB*Lab 43.14 23.35 -33.31
LAB*TCa 62.5 40.67 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 1.0 (1.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 1.0 (1.0)
LAB*LAB 25.72 31.46 -44.36
LAB*Lab 25.72 31.46 -44.36
LAB*TCa 50.0 54.23 305.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (0.5)
cmyn3* 0.0 0.0 0.5 (0.5)
olvi4* 0.0 0.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (0.25)
cmyn3* 0.0 0.0 0.25 (0.25)
olvi4* 0.0 0.0 0.25 (0.25)
cmyn4* 0.0 0.0 0.25 (0.25)
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.125 (0.125)
cmyn3* 0.0 0.0 0.125 (0.125)
olvi4* 0.0 0.0 0.125 (0.125)
cmyn4* 0.0 0.0 0.125 (0.125)
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0625 (0.0625)
cmyn3* 0.0 0.0 0.0625 (0.0625)
olvi4* 0.0 0.0 0.0625 (0.0625)
cmyn4* 0.0 0.0 0.0625 (0.0625)
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.03125 (0.03125)
cmyn3* 0.0 0.0 0.03125 (0.03125)
olvi4* 0.0 0.0 0.03125 (0.03125)
cmyn4* 0.0 0.0 0.03125 (0.03125)
LAB*LAB 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*TCa 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (0.5)
cmyn3* 0.25 0.25 0.5 (0.5)
olvi4* 0.25 0.25 0.5 (0.5)
cmyn4* 0.25 0.25 0.5 (0.5)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.25)
cmyn3* 0.25 0.25 0.25 (0.25)
olvi4* 0.25 0.25 0.25 (0.25)
cmyn4* 0.25 0.25 0.25 (0.25)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.125 (0.125)
cmyn3* 0.25 0.25 0.125 (0.125)
olvi4* 0.25 0.25 0.125 (0.125)
cmyn4* 0.25 0.25 0.125 (0.125)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0625 (0.0625)
cmyn3* 0.25 0.25 0.0625 (0.0625)
olvi4* 0.25 0.25 0.0625 (0.0625)
cmyn4* 0.25 0.25 0.0625 (0.0625)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.03125 (0.03125)
cmyn3* 0.25 0.25 0.03125 (0.03125)
olvi4* 0.25 0.25 0.03125 (0.03125)
cmyn4* 0.25 0.25 0.03125 (0.03125)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.015625 (0.015625)
cmyn3* 0.25 0.25 0.015625 (0.015625)
olvi4* 0.25 0.25 0.015625 (0.015625)
cmyn4* 0.25 0.25 0.015625 (0.015625)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0078125 (0.0078125)
cmyn3* 0.25 0.25 0.0078125 (0.0078125)
olvi4* 0.25 0.25 0.0078125 (0.0078125)
cmyn4* 0.25 0.25 0.0078125 (0.0078125)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.00390625 (0.00390625)
cmyn3* 0.25 0.25 0.00390625 (0.00390625)
olvi4* 0.25 0.25 0.00390625 (0.00390625)
cmyn4* 0.25 0.25 0.00390625 (0.00390625)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.001953125 (0.001953125)
cmyn3* 0.25 0.25 0.001953125 (0.001953125)
olvi4* 0.25 0.25 0.001953125 (0.001953125)
cmyn4* 0.25 0.25 0.001953125 (0.001953125)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0009765625 (0.0009765625)
cmyn3* 0.25 0.25 0.0009765625 (0.0009765625)
olvi4* 0.25 0.25 0.0009765625 (0.0009765625)
cmyn4* 0.25 0.25 0.0009765625 (0.0009765625)
LAB*LAB 37.36 19.84 22.61
LAB*Lab 37.36 19.84 22.61
LAB*TCa 37.5 15.36 305.0

UG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (rechts)

BAM-Prüfvorlage UG50; Farbmatrik-Systeme ORS18 & MRS18input: $cmv0^* setcmv7000$

D65: 2 Koordinatendaten; 25stufige Farbreihen für 10 Bunttöne

output: no change compared to input

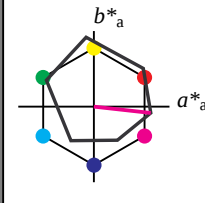
Eingabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 354/360 = 0.982$

lab^*ch und lab^*nch

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.36 -0.38 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.06 1.87
LAB*Lab 83.59 18.81 -2.08
LAB*TCa 87.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*ch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*tr 0.847 0.227 -0.103
lab*tc 0.875 0.25 0.982
lab*ncc 0.0 0.25 0.982

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*Lab 64.24 18.82 -2.08
LAB*TCa 62.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*ch 0.625 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*tr 0.597 0.227 -0.103
lab*tc 0.625 0.25 0.982
lab*ncc 0.0 0.25 0.982

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.75 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.89 18.8 -0.73
LAB*Lab 44.89 18.82 -2.08
LAB*TCa 37.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*ch 0.375 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*tr 0.347 0.227 -0.103
lab*tc 0.375 0.25 0.982
lab*ncc 0.0 0.25 0.982

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 -2.04
LAB*Lab 25.54 18.81 -2.08
LAB*TCa 12.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*ch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*tr 0.097 0.227 -0.103
lab*tc 0.125 0.25 0.982
lab*ncc 0.0 0.25 0.982

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

$n^* = 0.50$

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
JCIE	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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 37.1 -1.01
LAB*Lab 71.77 37.63 -4.17
LAB*TCa 75.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*ch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*tr 0.695 0.454 -0.208
lab*tc 0.75 0.5 0.982
lab*ncc 0.0 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.75 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.63 -4.17
LAB*Lab 52.42 37.63 -4.17
LAB*TCa 50.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.445 0.497 -0.054
lab*ch 0.5 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*tr 0.445 0.454 -0.208
lab*tc 0.5 0.5 0.982
lab*ncc 0.0 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.08 37.84 -6.62
LAB*Lab 33.08 37.63 -4.17
LAB*TCa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.292 0.497 -0.082
lab*ch 0.375 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*tr 0.292 0.454 -0.208
lab*tc 0.375 0.5 0.982
lab*ncc 0.0 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$

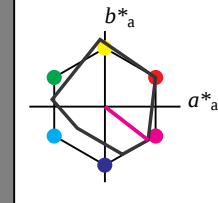
Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 322/360 = 0.895$

lab^*ch und lab^*nch

D65: Buntton B50R
LCH*Ma: 35 72 322
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (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 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (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 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 37.36 -0.38 0.63
LAB*Lab 37.36 0.0 0.0
LAB*TCa 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.29 13.6 -7.31
LAB*Lab 80.29 14.29 -11.05
LAB*TCa 87.5 18.07 322.25

relative CIELAB lab*
lab*lab 0.805 0.198 -0.152
lab*ch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*tr 0.805 0.162 -0.189
lab*tc 0.875 0.25 0.862
lab*ncc 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.94 13.97 -8.62
LAB*Lab 60.94 14.29 -11.06
LAB*TCa 62.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*ch 0.625 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*tr 0.609 0.324 -0.38
lab*tc 0.625 0.25 0.862
lab*ncc 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.75 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.59 14.34 -9.93
LAB*Lab 41.59 14.29 -11.06
LAB*TCa 37.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.415 0.496 -0.57
lab*ch 0.445 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*tr 0.415 0.454 -0.208
lab*tc 0.445 0.5 0.982
lab*ncc 0.0 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 0.75 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 -2.04
LAB*Lab 25.54 18.81 -2.08
LAB*TCa 12.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*ch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*tr 0.097 0.227 -0.103
lab*tc 0.125 0.25 0.982
lab*ncc 0.0 0.25 0.982

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 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 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.29 13.6 -7.31
LAB*Lab 80.29 14.29 -11.05
LAB*TCa 87.5 18.07 322.25

relative CIELAB lab*
lab*lab 0.805 0.198 -0.152
lab*ch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*tr 0.805 0.162 -0.189
lab*tc 0.875 0.25 0.862
lab*ncc 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.94 13.97 -8.62
LAB*Lab 60.94 14.29 -11.06
LAB*TCa 62.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*ch 0.625 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*tr 0.609 0.324 -0.38
lab*tc 0.625 0.25 0.862
lab*ncc 0.0 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.75 0.5 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)<

Soitanz hluna 8

re Buntheit c^*

Siehe ähnliche Dateien: <http://www.ps.bam.de/UG50/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=0,0

BAM-Registrierung: 20060101-UG50/10/L150G09Np.PS/.PDF BAM-Material: Code=rha4ta
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

-0.1