

Eingabe: Farbmatisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$
 lab^*ch und lab^*nch

D65: Buntton R
LCH*Ma: 57 77 25
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*



%Umfang
 $u^*_{rel} = 100$
%Regelartität
 $g^*_{H,rel} = 59$
 $g^*_{C,rel} = 100$

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 0.5 0.0 (1.0)
lab*ch 1.0 0.0 - (0.0)
lab*nch 0.0 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0 (1.0)
lab*nce 1.0 0.0 0.0 (1.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABo 56.72 0.0 0.0
LAB*TCHo 50.0 0.01
relative CIELAB lab*
lab*lab 0.5 0.0 0.0 (1.0)
lab*ch 0.5 0.0 - (0.0)
lab*nch 0.5 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0 (1.0)
lab*nce 0.5 0.0 0.0 (1.0)

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01
relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 - (0.0)
lab*nch 0.0 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 0.0 (1.0)

$n^* = 1.0$

CNS18; adaptierte CIELAB-Daten

	$L^* = L_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
GCIE	81.26	-2.88	71.56	71.62	92
BCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

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 76.05 35.07 16.35
LAB*LABo 76.05 35.07 16.35
LAB*TCHo 75.0 38.69 25.0

relative CIELAB lab*
lab*lab 0.75 0.453 0.211
lab*ch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*lrj 0.75 0.5 -0.002
lab*nce 0.75 0.5 0.999
lab*nce 0.0 0.5 0.999

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 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 37.36 35.07 16.35
LAB*LABo 37.36 35.07 16.35
LAB*TCHo 25.01 38.69 25.0

relative CIELAB lab*
lab*lab 0.25 0.453 0.211
lab*ch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*lrj 0.25 0.5 -0.002
lab*nce 0.25 0.5 0.999
lab*nce 0.0 0.5 0.999

Schwarzheit n^*

relative Buntheit c^*

Ausgabe: Farbmatisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$
 lab^*ch und lab^*nch

D65: Buntton O
LCH*Ma: 48 76 25
olv*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit i^*



%Umfang
 $u^*_{rel} = 93$
%Regelartität
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

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 -0.98 4.75
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 (1.0)
lab*ch 1.0 0.0 - (0.0)
lab*nch 0.0 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0 (1.0)
lab*nce 1.0 0.0 0.0 (1.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 1.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABo 56.71 0.0 0.0
LAB*TCHo 50.0 0.01
relative CIELAB lab*
lab*lab 0.5 0.0 0.0 (1.0)
lab*ch 0.5 0.0 - (0.0)
lab*nch 0.5 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0 (1.0)
lab*nce 0.5 0.0 0.0 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olv4* 0.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABo 18.02 0.0 0.0
LAB*TCHo 0.01 0.01
relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 - (0.0)
lab*nch 0.0 0.0 - (0.0)
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 0.0 (1.0)

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^* = L_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
VMa	50.9	-62.83	34.96	71.91	151
WMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	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	64.57	25
GCIE	81.26	-2.16	67.76	67.79	92
BCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

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 71.7 33.71 19.13
LAB*LABo 71.7 33.71 19.13
LAB*TCHo 75.0 37.79 25.0

relative CIELAB lab*
lab*lab 0.694 0.453 0.211
lab*ch 0.75 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*lrj 0.694 0.5 0.003
lab*nce 0.75 0.5 0.001
lab*nce 0.0 0.5 0.001

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 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 33.01 34.46 16.52
LAB*LABo 33.01 34.25 15.97
LAB*TCHo 25.01 37.79 25.0

relative CIELAB lab*
lab*lab 0.194 0.453 0.211
lab*ch 0.25 0.5 0.069
lab*nch 0.0 0.5 0.069
relative Natural Colour (NC)
lab*lrj 0.194 0.5 0.004
lab*nce 0.25 0.5 0.001
lab*nce 0.0 0.5 0.001

$n^* = 0.00$

relative Buntheit c^*