

Eingabe: Farbmetrisches Reflexions-System ORS18

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

D65: Buntton 0
 LCH*Ma: 48 83 38
 olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*



%Umfang

$u^*_{rel} = 93$

%Regulartät

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

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

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmy3* 0.0 0.0 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 95.41 -0.97 4.75
 LAB*Lab0 95.41 0.0 0.0
 LAB*TChe 99.99 0.01 -

relative CIELAB lab*
 lab*lab 1.0 0.5 0.0 (1.0)
 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*lce 1.0 0.0 0.0
 lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmy3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 -0.23 2.14
 LAB*Lab0 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*lce 0.5 0.0 0.0
 lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmy3* 0.0 0.0 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.5 -0.46
 LAB*Lab0 18.02 0.0 0.0
 LAB*TChe 10.0 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*lce 0.0 0.0 0.0
 lab*nce 1.0 0.0 -

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
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

relative Inform. Technology (IT)
 olv3* 1.0 0.5 0.5 (1.0)
 cmy3* 0.0 0.5 0.5 (0.0)
 olv4* 1.0 0.5 0.5 (1.0)
 cmy4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 71.67 32.15 28.41
 LAB*Lab0 71.67 32.15 28.41
 LAB*TChe 75.0 41.3 37.7

relative CIELAB lab*
 lab*lab 0.693 0.396 0.306
 lab*ch 0.75 0.5 0.105
 lab*nch 0.0 0.5 0.105
 relative Natural Colour (NC)
 lab*lrj 0.693 0.477 0.15
 lab*lce 0.75 0.5 0.048
 lab*nce 0.0 0.5 0.15

relative Inform. Technology (IT)
 olv3* 0.5 0.0 0.0 (1.0)
 cmy3* 0.5 1.0 0.0 (0.0)
 olv4* 0.5 0.5 0.5 (1.0)
 cmy4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 32.98 32.98 25.8
 LAB*Lab0 32.98 32.98 25.8
 LAB*TChe 25.01 41.3 37.7

relative CIELAB lab*
 lab*lab 0.193 0.396 0.306
 lab*ch 0.25 0.5 0.105
 lab*nch 0.0 0.5 0.105
 relative Natural Colour (NC)
 lab*lrj 0.193 0.477 0.15
 lab*lce 0.25 0.5 0.048
 lab*nce 0.0 0.5 0.15

relative Inform. Technology (IT)
 olv3* 1.0 0.0 0.0 (1.0)
 cmy3* 0.0 1.0 0.0 (0.0)
 olv4* 1.0 0.0 1.0 (1.0)
 cmy4* 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 47.95 65.29 52.06
 LAB*Lab0 47.95 65.29 52.06
 LAB*TChe 50.0 82.6 37.7

relative CIELAB lab*
 lab*lab 0.387 0.791 0.611
 lab*ch 0.387 0.5 0.105
 lab*nch 0.0 1.0 0.105
 relative Natural Colour (NC)
 lab*lrj 0.387 0.5 0.248
 lab*lce 0.5 1.0 0.048
 lab*nce 0.0 1.0 0.15

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*

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
 olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*



%Umfang

$u^*_{rel} = 91$

%Regulartät

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

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

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmy3* 0.0 0.0 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 95.41 -0.97 4.75
 LAB*Lab0 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*lce 1.0 0.0 0.0
 lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmy3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmy4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 -0.23 2.14
 LAB*Lab0 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*lce 0.5 0.0 0.0
 lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmy3* 1.0 1.0 1.0 (0.0)
 olv4* 0.0 1.0 0.0 (1.0)
 cmy4* 0.0 0.0 1.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.5 -0.46
 LAB*Lab0 18.02 0.0 0.0
 LAB*TChe 10.0 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*lce 0.0 0.0 0.0
 lab*nce 1.0 0.0 -

$n^* = 1.0$

Schwarzheit n^*

relative Buntheit c^*

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
YMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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

relative Inform. Technology (IT)
 olv3* 1.0 0.5 0.5 (1.0)
 cmy3* 0.0 0.5 0.5 (0.0)
 olv4* 1.0 0.5 0.5 (1.0)
 cmy4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 72.52 32.44 22.4
 LAB*Lab0 72.52 32.44 22.4
 LAB*TChe 75.0 38.58 29.82

relative CIELAB lab*
 lab*lab 0.704 0.434 0.249
 lab*ch 0.75 0.5 0.083
 lab*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab*lrj 0.704 0.496 0.06
 lab*lce 0.75 0.5 0.019
 lab*nce 0.0 0.5 0.071

relative Inform. Technology (IT)
 olv3* 0.5 0.0 0.0 (1.0)
 cmy3* 0.5 1.0 0.0 (0.0)
 olv4* 0.5 0.5 0.5 (1.0)
 cmy4* 0.0 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 33.83 33.67 19.79
 LAB*Lab0 33.83 33.67 19.79
 LAB*TChe 25.01 38.58 29.82

relative CIELAB lab*
 lab*lab 0.204 0.434 0.249
 lab*ch 0.25 0.5 0.083
 lab*nch 0.0 0.5 0.083
 relative Natural Colour (NC)
 lab*lrj 0.204 0.496 0.06
 lab*lce 0.25 0.5 0.019
 lab*nce 0.0 0.5 0.071

$n^* = 0.00$

Schwarzheit n^*

relative Buntheit c^*