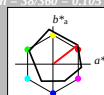
Eingabe: Farbmetrisches Reflexions-System ORS18
für Buntton $h^* = lab^*h = 38/360 = 0.105$
*lab*tch* und *lab*nch*

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

Dreiecks-Helligkeit t^*



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

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R^*_{CIE}	39.92	58.66	26.98	64.56	25
J^*_{CIE}	81.26	−2.17	67.76	67.79	92
G^*_{CIE}	52.23	−42.26	11.75	43.87	164
B^*_{CIE}	30.57	1.15	−46.84	46.87	271

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*LABa*	95.41	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative **CIELAB *lab****

*lab*lab*	1.0	0.0	0.0
*lab*tch*	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)**

*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative **CIELAB *lab****

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	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)**

*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	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative **CIELAB *lab****

*lab*lab*	0.0	0.0	0.0
*lab*tch*	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*	0.0	0.0	–

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

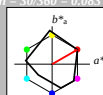
$n^* = 1{,}0$

0,000−7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

Ausgabe: Farbmetrisches Reflexions-System MRS18
für Buntton $h^* = lab^*h = 30/360 = 0.083$
*lab*tch* und *lab*nch*

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

Dreiecks-Helligkeit t^*



%Umfang $u^*_{tri} = 91$
%Regularität
$g^*_{H,rel} = 41$
$g^*_{C,rel} = 52$

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	49.63	66.96	38.37	77.18	30
J_{Ma}	90.7	−6.36	88.75	88.98	94
G_{Ma}	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
R^*_{CIE}	39.92	58.66	26.98	64.56	25
J^*_{CIE}	81.26	−2.17	67.76	67.79	92
G^*_{CIE}	52.23	−42.26	11.75	43.87	164
B^*_{CIE}	30.57	1.15	−46.84	46.87	271

relative **Inform. Technology (IT)**

*olvi3**	1.0	0.5	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	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	32.93	22.4
*LAB*LABa*	72.52	33.47	19.18
*LAB*TCHa*	75.0	38.58	29.82

relative **CIELAB *lab****

*lab*lab*	0.704	0.434	0.249
*lab*tch*	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*tCe*	0.75	0.5	0.019
*lab*nCE*	0.0	0.5	r07j

relative **Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	33.82	33.67	19.79
*LAB*LABa*	33.82	33.47	19.18
*LAB*TCHa*	25.01	38.58	29.82

relative **CIELAB *lab****

*lab*lab*	0.204	0.434	0.249
*lab*tch*	0.25	0.5	0.083
*lab*nch*	0.5	0.5	0.083

relative **Natural Colour (NC)**

*lab*lrj*	0.204	0.496	0.06
*lab*tCe*	0.25	0.5	0.019
*lab*nCE*	0.5	0.5	r07j

relative **Inform. Technology (IT)**

*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	0.0	1.0	1.0	0.0
*cmyn4**	0.0	1.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	49.63	66.84	40.03
*LAB*LABa*	49.63	66.95	38.36
*LAB*TCHa*	50.0	77.16	29.82

relative **CIELAB *lab****

*lab*lab*	0.409	0.867	0.497
*lab*tch*	0.5	1.0	0.083
*lab*nch*	0.0	1.0	0.083

relative **Natural Colour (NC)**

*lab*lrj*	0.409	0.993	0.119
*lab*tCe*	0.5	1.0	0.019
*lab*nCE*	0.0	1.0	r07j

$n^* = 0{,}00$

Schwarzheit n^*

0,25 0,50 $n^* = 0{,}50$ 0,75 1,00

relative Buntheit c^*

$n^* = 1{,}0$

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