

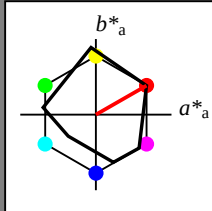
Eingabe: Farbmetrisches Reflexions-System MRS18

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

D65: Buntton R

LCH*Ma: 50 77 30

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)
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	0.0
LAB*LABa	95.41	0.0	0.0	0.0
LAB*LABb	99.99	0.01	0.0	0.0

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*lab	1.0	0.0	0.0	-
lab*ch	1.0	0.0	0.0	-
lab*nch	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)
LAB*LAB	76.06	-0.6	3.44	0.0
LAB*LABa	76.06	0.0	0.0	0.0
LAB*LABb	75.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.852	0.217	0.124	0.0
lab*ch	0.875	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	83.96	15.97	13.58	0.0
LAB*LABa	83.96	16.73	9.59	0.0
LAB*LABb	97.5	19.29	29.82	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.5	(1.0)
cmyn3*	0.25	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	56.71	-0.23	2.14	0.0
LAB*LABa	56.71	0.0	0.0	0.0
LAB*LABb	50.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.62	0.217	0.124	0.0
lab*ch	0.625	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	64.61	16.35	12.27	0.0
LAB*LABa	64.61	16.74	9.59	0.0
LAB*LABb	62.5	19.29	29.82	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)
LAB*LAB	37.36	1.3	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.332	0.217	0.124	0.0
lab*ch	0.375	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97	0.0
LAB*LABa	45.26	16.74	9.59	0.0
LAB*LABb	37.5	19.29	29.82	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)
LAB*LAB	37.36	1.3	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.332	0.217	0.124	0.0
lab*ch	0.375	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97	0.0
LAB*LABa	45.26	16.74	9.59	0.0
LAB*LABb	37.5	19.29	29.82	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)
LAB*LAB	37.36	1.3	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.332	0.217	0.124	0.0
lab*ch	0.375	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97	0.0
LAB*LABa	45.26	16.74	9.59	0.0
LAB*LABb	37.5	19.29	29.82	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)
LAB*LAB	37.36	1.3	0.83	0.0
LAB*LABa	37.36	0.0	0.0	0.0
LAB*LABb	25.00	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.332	0.217	0.124	0.0
lab*ch	0.375	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	45.26	16.72	10.97	0.0
LAB*LABa	45.26	16.74	9.59	0.0
LAB*LABb	37.5	19.29	29.82	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)
LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.102	0.217	0.124	0.0
lab*ch	0.125	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	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)
LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.102	0.217	0.124	0.0
lab*ch	0.125	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	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)
LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	0.0	0.0

relative CIELAB lab*

lab*lab	0.102	0.217	0.124	0.0
lab*ch	0.125	0.25	0.083	0.0
lab*nch	0.0	0.25	0.083	0.0

standard and adapted CIELAB

LAB*LAB	18.02	18.02	0.46	0.0
LAB*LABa	18.02	0.0	0.0	0.0
LAB*LABb	0.01	0.01	0.0	0.0

TG530-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

BAM-Prüfvorlage TG53; Farbmetrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$

D65: 2 Koordinaten-Daten von 25stufigen Farbreihen für 10 Bunttonen

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
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
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)
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)
LAB*LAB	72.52	32.93	22.4	0.0
LAB*LABa	72.52	33.47	19.18	0.0
LAB*LABb	75.0	38.58	29.82	0.0

relative CIELAB lab*

lab*lab	0.704	0.434	0.249	0.0
lab*ch	0.75	0.5	0.083	0.0
lab*nch	0.0	0.5	0.083	0.0

standard and adapted CIELAB

LAB*LAB	72.52	32.93	22.4	0.0
LAB*LABa	72.52	33.47	19.18	0.0
LAB*LABb	75.0	38.58	29.82	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.25	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	61.07	49.89	31.22	0.0
LAB*LABa	61.07	50.21	28.78	0.0
LAB*LABb	62.5	57.87	29.82	0.0

relative CIELAB lab*

lab*lab	0.559	0.651	0.373	0.0
lab*ch	0.625	0.75	0.083	0.0
lab*nch	0.0	0.75	0.083	0.0

standard and adapted CIELAB

LAB*LAB	61.07	49.89	31.22	0.0
LAB*LABa	61.07	50.21	28.78	0.0
LAB*LABb	62.5	57.87	29.82	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.0	(1.0)
cmyn3*	0.25	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	49.63	66.96	38.37	0.0
LAB*LABa	49.63	66.96	38.37	0.0
LAB*LABb	50.0	38.58	29.82	0.0

relative CIELAB lab*

lab*lab	0.434	0.434	0.249	0.0
lab*ch	0.5	0.5	0.083	0.0
lab*nch	0.0	0.5	0.083	0.0

standard and adapted CIELAB

LAB*LAB	49.63	66.96	38.37	0.0
LAB*LABa	49.63	66.96	38.37	0.0
LAB*LABb	50.0	38.58	29.82	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	0.75	0.75	(0.0)
olvi4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)
LAB*LAB	33.82	33.47	19.18	0.0
LAB*LABa	33.82	33.47	19.18	0.0
LAB*LABb	35.0	38.58	29.82	0.0

relative CIELAB lab*

lab*lab	0.204	0.434	0.249	0.0
lab*ch	0.25	0.5	0.083	0.0
lab*nch	0.0	0.5	0.083	0.0

standard and adapted CIELAB

LAB*LAB	33.82	33.47	19.18	0.0
LAB*LABa	33			

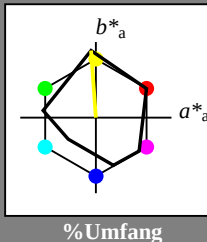
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 91 89 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*  $u^*_{rel} = 91$

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $olvi4^*$ 0.0 0.0 0.0 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 47.5
 LAB^*LAb 95.41 0.0 0.0
 LAB^*TCh 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*ch 0.0 0.0 0.0
 lab^*nch 0.0 0.0 0.0
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $olvi4^*$ 0.25 0.25 0.25 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 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^*TCh 75.00 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
 lab^*trj 0.75 0.0 0.0
 lab^*tce 0.75 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $olvi4^*$ 0.75 0.75 0.75 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 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^*TCh 50.00 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
 lab^*trj 0.5 0.0 0.0
 lab^*tce 0.5 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $olvi4^*$ 0.75 0.75 0.75 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 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^*TCh 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 0.0 0.0 0.0
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $olvi4^*$ 1.0 1.0 1.0 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 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^*TCh 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 0.0 0.0 0.0
 lab^*trj 0.0 0.0 0.0
 lab^*tce 0.0 0.0 0.0
 lab^*nce 0.0 0.0 0.0

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
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
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 1.0 1.0 (1.0)
 $olvi4^*$ 0.0 0.0 0.0 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
 LAB^*LAB 93.05 -4.11 48.97
 LAB^*LAb 93.05 -4.11 48.97
 LAB^*TCh 93.05 -4.11 48.97

relative CIELAB lab*
 lab^*lab 0.989 -0.017 0.249
 lab^*ch 0.875 0.25 0.261
 lab^*nch 0.0 0.25 0.261
 lab^*trj 0.989 -0.017 0.249
 lab^*tce 0.875 0.25 0.261
 lab^*nce 0.0 0.25 0.261

relative Inform. Technology (IT)
 $olvi3^*$ 0.75 0.75 0.75 (1.0)
 $olvi4^*$ 0.25 0.25 0.25 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
 LAB^*LAB 73.7 -3.74 47.67
 LAB^*LAb 73.7 -3.74 47.67
 LAB^*TCh 73.7 -3.74 47.67

relative CIELAB lab*
 lab^*lab 0.737 -0.036 0.749
 lab^*ch 0.625 0.75 0.261
 lab^*nch 0.0 0.75 0.261
 lab^*trj 0.737 -0.036 0.749
 lab^*tce 0.625 0.75 0.261
 lab^*nce 0.0 0.75 0.261

relative Inform. Technology (IT)
 $olvi3^*$ 0.5 0.5 0.5 (1.0)
 $olvi4^*$ 0.5 0.5 0.5 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
 LAB^*LAB 44.35 -1.37 44.38
 LAB^*LAb 44.35 -1.37 44.38
 LAB^*TCh 44.35 -1.37 44.38

relative CIELAB lab*
 lab^*lab 0.443 -0.035 0.499
 lab^*ch 0.443 -0.035 0.499
 lab^*nch 0.0 0.443 -0.035 0.499
 lab^*trj 0.443 -0.035 0.499
 lab^*tce 0.443 -0.035 0.499
 lab^*nce 0.0 0.443 -0.035 0.499

relative Inform. Technology (IT)
 $olvi3^*$ 0.25 0.25 0.25 (1.0)
 $olvi4^*$ 0.75 0.75 0.75 (0.0)
 $olvi5^*$ 1.0 1.0 1.0 (1.0)
 $olvi6^*$ 0.0 0.0 0.0 (0.0)
 $olvi7^*$ 0.0 0.0 0.0 (0.0)
 $olvi8^*$ 0.0 0.0 0.0 (0.0)
 $olvi9^*$ 0.0 0.0 0.0 (0.0)
 $olvi10^*$ 0.0 0.0 0.0 (0.0)
 $olvi11^*$ 0.0 0.0 0.0 (0.0)
 $olvi12^*$ 0.0 0.0 0.0 (0.0)
 $olvi13^*$ 0.0 0.0 0.0 (0.0)
 $olvi14^*$ 0.0 0.0 0.0 (0.0)
 $olvi15^*$ 0.0 0.0 0.0 (0.0)
 $olvi16^*$ 0.0 0.0 0.0 (0.0)
 $olvi17^*$ 0.0 0.0 0.0 (0.0)
 $olvi18^*$ 0.0 0.0 0.0 (0.0)
 $olvi19^*$ 0.0 0.0 0.0 (0.0)
 $olvi20^*$ 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
 LAB^*LAB 25.01 0.0 0.0
 LAB^*LAb 25.01 0.0 0.0
 LAB^*TCh 25.01 0.0 0.0

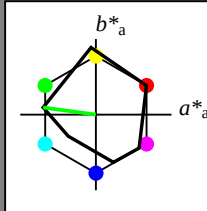
relative CIELAB lab*
 lab^*lab 0.25 0.0 0.0
 lab^*ch 0.25 0.0 0.0
 lab^*nch 0.0 0.25 0.0
 lab^*trj 0.25 0.0 0.0
 lab^*tce 0.25 0.0 0.0
 lab^*nce 0.0 0.25 0.0

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.50$ $n^* = 8.75$ $n^* = 9.00$ $n^* = 9.25$ $n^* = 9.50$ $n^* = 9.75$ $n^* = 10.00$ $n^* = 10.25$ $n^* = 10.50$ $n^* = 10.75$ $n^* = 11.00$ $n^* = 11.25$ $n^* = 11.50$ $n^* = 11.75$ $n^* = 12.00$ $n^* = 12.25$ $n^* = 12.50$

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*ch und lab^*nch

D65: Buntton G
 LCH*Ma: 52 70 172
 rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

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 -0.97 4.75
 LAB*LABa 95.41 0.0 0.0
 LAB*TCHa 99.99 0.01 0.0

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*trj 1.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (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 76.06 -0.6 3.44
 LAB*LABa 76.06 0.0 0.0
 LAB*TCHa 75.0 0.01 0.0

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*trj 0.75 0.0 0.0
 lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (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 56.71 -0.23 2.14
 LAB*LABa 56.71 0.0 0.0
 LAB*TCHa 50.0 0.01 0.0

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*trj 0.5 0.0 0.0
 lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (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 37.36 -0.3 0.83
 LAB*LABa 37.36 0.0 0.0
 LAB*TCHa 25.0 0.01 0.0

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*trj 0.25 0.0 0.0
 lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 1.0 0.75 (1.0)
 cmyn3* 0.25 0.0 0.25 (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 84.58 -18.19 6.39
 LAB*LABa 84.58 -17.42 2.36
 LAB*TCHa 97.5 17.29 17.29

relative CIELAB lab*
 lab*lab 0.86 -0.247 0.034
 lab*ch 0.875 0.25 0.479
 lab*nch 0.0 0.25 0.479
 relative Natural Colour (NC)
 lab*trj 0.86 -0.247 -0.028
 lab*nce 0.875 0.25 0.518
 lab*nce 0.0 0.25 0.976

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)
 cmyn4* 0.25 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 65.23 -17.83 5.08
 LAB*LABa 65.23 -17.42 2.36
 LAB*TCHa 62.5 17.29 17.29

relative CIELAB lab*
 lab*lab 0.61 -0.247 -0.028
 lab*ch 0.625 0.25 0.518
 lab*nch 0.0 0.25 0.518
 relative Natural Colour (NC)
 lab*trj 0.61 -0.247 -0.028
 lab*nce 0.625 0.25 0.518
 lab*nce 0.0 0.25 0.976

relative Inform. Technology (IT)
 olv3* 0.25 0.5 0.25 (1.0)
 cmyn3* 0.75 0.5 0.75 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)
 cmyn4* 0.25 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 45.88 -17.46 3.78
 LAB*LABa 45.88 -17.42 2.36
 LAB*TCHa 37.5 17.29 17.29

relative CIELAB lab*
 lab*lab 0.36 -0.247 -0.028
 lab*ch 0.375 0.25 0.479
 lab*nch 0.0 0.25 0.479
 relative Natural Colour (NC)
 lab*trj 0.36 -0.247 -0.028
 lab*nce 0.375 0.25 0.479
 lab*nce 0.0 0.25 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.5 0.0 (1.0)
 cmyn3* 1.0 0.5 0.0 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)
 cmyn4* 0.25 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 35.06 -34.67 5.41
 LAB*LABa 35.06 -34.85 4.72
 LAB*TCHa 25.01 35.18 17.29

relative CIELAB lab*
 lab*lab 0.22 -0.494 0.067
 lab*ch 0.25 0.5 0.479
 lab*nch 0.0 0.5 0.479
 relative Natural Colour (NC)
 lab*trj 0.22 -0.494 -0.056
 lab*nce 0.25 0.5 0.518
 lab*nce 0.0 0.5 0.976

relative Inform. Technology (IT)
 olv3* 0.11 -0.247 0.034
 cmyn3* 0.125 0.25 0.479
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 26.54 -17.08 2.47
 LAB*LABa 26.54 -17.42 2.36
 LAB*TCHa 12.5 17.29 17.29

relative CIELAB lab*
 lab*lab 0.11 -0.247 0.034
 lab*ch 0.125 0.25 0.479
 lab*nch 0.0 0.25 0.479
 relative Natural Colour (NC)
 lab*trj 0.11 -0.247 -0.028
 lab*nce 0.125 0.25 0.518
 lab*nce 0.0 0.25 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

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
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
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

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 59$

relative Inform. Technology (IT)
 olv3* 0.25 1.0 0.25 (1.0)
 cmyn3* 0.75 0.0 0.75 (0.0)
 olv4* 0.25 1.0 0.25 (1.0)
 cmyn4* 0.75 0.0 0.75 (0.0)
 standard and adapted CIELAB
 LAB*LAB 62.93 -52.64 9.65
 LAB*LABa 62.93 -52.28 7.08
 LAB*TCHa 62.5 52.77 17.29

relative CIELAB lab*
 lab*lab 0.58 -0.744 -0.085
 lab*ch 0.625 0.75 0.518
 lab*nch 0.0 0.75 0.976
 relative Natural Colour (NC)
 lab*trj 0.58 -0.744 -0.085
 lab*nce 0.625 0.75 0.518
 lab*nce 0.0 0.75 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.75 0.0 (1.0)
 cmyn3* 0.75 0.25 0.75 (0.0)
 olv4* 0.5 1.0 0.5 (0.0)
 cmyn4* 0.5 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 54.41 -35.05 6.71
 LAB*LABa 54.41 -34.86 4.72
 LAB*TCHa 50.0 35.19 17.29

relative CIELAB lab*
 lab*lab 0.41 -0.494 0.067
 lab*ch 0.41 0.5 0.479
 lab*nch 0.0 0.5 0.479
 relative Natural Colour (NC)
 lab*trj 0.41 -0.494 -0.056
 lab*nce 0.41 0.5 0.518
 lab*nce 0.0 0.5 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.5 0.0 (1.0)
 cmyn3* 1.0 0.5 0.0 (0.0)
 olv4* 0.5 1.0 0.5 (0.0)
 cmyn4* 0.5 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 35.06 -34.67 5.41
 LAB*LABa 35.06 -34.85 4.72
 LAB*TCHa 25.01 35.18 17.29

relative CIELAB lab*
 lab*lab 0.22 -0.494 0.067
 lab*ch 0.25 0.5 0.479
 lab*nch 0.0 0.5 0.479
 relative Natural Colour (NC)
 lab*trj 0.22 -0.494 -0.056
 lab*nce 0.25 0.5 0.518
 lab*nce 0.0 0.5 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

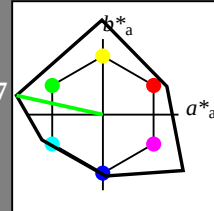
relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 167/360 = 0.465$ lab^*ch und lab^*nch

D65: Buntton G
 LCH*Ma: 63 117 167
 rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

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*LABa 95.41 0.0 0.0
 LAB*TCHa 99.99 0.01 0.0

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*trj 1.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.0 0.25 (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 74.31 0.02 0.0
 LAB*LABa 74.31 0.0 0.0
 LAB*TCHa 75.0 0.01 0.0

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*trj 0.75 0.0 0.0
 lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (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 53.21 0.04 0.0
 LAB*LABa 53.21 0.0 0.0
 LAB*TCHa 50.0 0.01 0.0

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*trj 0.5 0.0 0.0
 lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.25 0.75 (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 37.36 -0.3 0.83
 LAB*LABa 37.36 0.0 0.0
 LAB*TCHa 25.0 0.01 0.0

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*trj 0.25 0.0 0.0
 lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.5 0.0 (1.0)
 cmyn3* 1.0 0.5 0.0 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)
 cmyn4* 0.25 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 35.06 -34.67 5.41
 LAB*LABa 35.06 -34.85 4.72
 LAB*TCHa 25.01 35.18 17.29

relative CIELAB lab*
 lab*lab 0.22 -0.494 0.067
 lab*ch 0.25 0.5 0.479
 lab*nch 0.0 0.5 0.479
 relative Natural Colour (NC)
 lab*trj 0.22 -0.494 -0.056
 lab*nce 0.25 0.5 0.518
 lab*nce 0.0 0.5 0.976

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 0.01 0.01 0.0

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*trj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 1.0 0.75 (1.0)
 cmyn3* 0.25 0.0 0.25 (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 87.32 -28.53 6.33
 LAB*LABa 87.32 -28.55 6.33
 LAB*TCHa 87.5 29.25 16.75

relative CIELAB lab*
 lab*lab 0.904 -0.248 -0.018
 lab*ch 0.875 0.25 0.465
 lab*nch 0.0 0.25 0.465
 relative Natural Colour (NC)
 lab*trj 0.904 -0.248 -0.018
 lab*nce 0.875 0.25 0.512
 lab*nce 0.0 0.25 0.946

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)
 cmyn4* 0.25 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 66.22 -28.53 6.34
 LAB*LABa 66.22 -28.56 6.34
 LAB*TCHa 62.5 29.27 16.75

relative CIELAB lab*
 lab*lab 0.654 -0.243 0.054
 lab*ch 0.625 0.25 0.465
 lab*nch 0.0 0.25 0.465
 relative Natural Colour (NC)
 lab*trj 0.654 -0.243 0.054
 lab*nce 0.625 0.25 0.512
 lab*nce 0.0 0.25 0.946

relative Inform. Technology (IT)
 olv3* 0.25 0.5 0.25 (1.0)
 cmyn3* 0.75 0.5 0.75 (0.0)
 olv4* 0.75 1.0 0.75 (0.0)

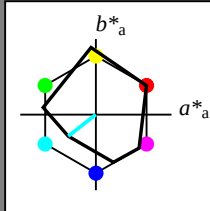
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 45 46 218

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 91$

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 47.5

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

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*trj 1.0 0.0 0.0

lab*nce 1.0 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*LABa 76.06 0.0 0.0

LAB*LABb 76.06 0.0 0.0

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*trj 0.75 0.0 0.0

lab*nce 0.75 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*LABa 56.71 0.0 0.0

LAB*LABb 56.71 0.0 0.0

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*trj 0.5 0.0 0.0

lab*nce 0.5 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 -0.13 0.63

LAB*LABa 37.36 0.0 0.0

LAB*LABb 37.36 0.0 0.0

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*trj 0.25 0.0 0.0

lab*nce 0.25 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*LABa 18.02 0.0 0.0

LAB*LABb 18.02 0.0 0.0

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*trj 0.0 0.0 0.0

lab*nce 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 0.01 0.01

LAB*LABa 0.01 0.01

LAB*LABb 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*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 1.0 1.0 (1.0)

cmyn3* 0.25 0.0 0.0 (0.0)

olvi4* 0.75 1.0 1.0 (1.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 82.81 -9.87 -3.2

LAB*LABa 82.81 -9.13 -7.11

LAB*LABb 82.81 11.58 217.91

relative CIELAB lab*

lab*lab 0.837 -0.196 -0.153

lab*ch 0.875 0.25 0.605

lab*nch 0.0 0.25 0.605

relative Natural Colour (NC)

lab*trj 0.837 -0.176 -0.176

lab*nce 0.875 0.25 0.625

relative Inform. Technology (IT)

olvi3* 0.5 0.75 0.75 (1.0)

cmyn3* 0.5 0.25 0.25 (0.0)

olvi4* 0.75 1.0 1.0 (0.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 63.46 -9.5 -4.51

LAB*LABa 63.46 -9.13 -7.11

LAB*LABb 63.46 11.58 217.91

relative CIELAB lab*

lab*lab 0.587 -0.196 -0.176

lab*ch 0.625 0.25 0.605

lab*nch 0.0 0.25 0.605

relative Natural Colour (NC)

lab*trj 0.587 -0.176 -0.176

lab*nce 0.625 0.25 0.625

relative Inform. Technology (IT)

olvi3* 0.25 0.5 0.5 (1.0)

cmyn3* 0.75 0.25 0.25 (0.0)

olvi4* 0.75 1.0 1.0 (0.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 44.11 -9.13 -5.81

LAB*LABa 44.11 -9.13 -7.11

LAB*LABb 44.11 11.58 217.91

relative CIELAB lab*

lab*lab 0.337 -0.196 -0.153

lab*ch 0.375 0.25 0.605

lab*nch 0.0 0.25 0.605

relative Natural Colour (NC)

lab*trj 0.337 -0.176 -0.176

lab*nce 0.375 0.25 0.625

relative Inform. Technology (IT)

olvi3* 0.0 0.5 0.5 (1.0)

cmyn3* 1.0 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 31.52 -18.03 -13.78

LAB*LABa 31.52 -18.03 -14.23

LAB*LABb 31.52 21.71 217.91

relative CIELAB lab*

lab*lab 0.175 -0.394 -0.306

lab*ch 0.25 0.5 0.605

lab*nch 0.0 0.5 0.605

relative Natural Colour (NC)

lab*trj 0.175 -0.353 -0.352

lab*nce 0.25 0.5 0.625

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.25 (1.0)

cmyn3* 1.0 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 24.77 -24.76 -7.12

LAB*LABa 24.77 -9.13 -7.11

LAB*LABb 24.77 11.58 217.91

relative CIELAB lab*

lab*lab 0.087 -0.196 -0.153

lab*ch 0.125 0.25 0.605

lab*nch 0.0 0.25 0.605

relative Natural Colour (NC)

lab*trj 0.087 -0.176 -0.176

lab*nce 0.125 0.25 0.625

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 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*LABb 0.0 0.0 0.0

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*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

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
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
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* 0.5 1.0 1.0 (1.0)

cmyn3* 0.5 0.0 0.0 (0.0)

olvi4* 0.5 1.0 1.0 (1.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 70.21 -18.77 -11.17

LAB*LABa 70.21 -18.27 -14.23

LAB*LABb 70.21 23.17 217.91

relative CIELAB lab*

lab*lab 0.674 -0.393 -0.306

lab*ch 0.75 0.5 0.605

lab*nch 0.0 0.5 0.605

relative Natural Colour (NC)

lab*trj 0.674 -0.353 -0.352

lab*nce 0.75 0.5 0.625

relative Inform. Technology (IT)

olvi3* 0.25 0.75 0.75 (1.0)

cmyn3* 0.75 0.25 0.25 (0.0)

olvi4* 0.5 1.0 1.0 (0.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 50.87 -18.4 -12.48

LAB*LABa 50.87 -18.27 -14.23

LAB*LABb 50.87 23.17 217.91

relative CIELAB lab*

lab*lab 0.425 -0.394 -0.306

lab*ch 0.5 0.5 0.605

lab*nch 0.0 0.5 0.605

relative Natural Colour (NC)

lab*trj 0.425 -0.353 -0.352

lab*nce 0.5 0.5 0.625

relative Inform. Technology (IT)

olvi3* 0.0 0.5 0.5 (1.0)

cmyn3* 1.0 0.5 0.5 (0.0)

olvi4* 0.5 1.0 1.0 (0.0)

cmyn4* 0.5 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 31.52 -18.03 -13.78

LAB*LABa 31.52 -18.03 -14.23

LAB*LABb 31.52 21.71 217.91

relative CIELAB lab*

lab*lab 0.175 -0.393 -0.306

lab*ch 0.25 0.5 0.605

lab*nch 0.0 0.5 0.605

relative Natural Colour (NC)

lab*trj 0.175 -0.353 -0.352

lab*nce 0.25 0.5 0.625

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.25 (1.0)

cmyn3* 1.0 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (0.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 24.77 -24.76 -7.12

LAB*LABa 24.77 -9.13 -7.11

LAB*LABb 24.77 11.58 217.91

relative CIELAB lab*

lab*lab 0.087 -0.196 -0.153

lab*ch 0.125 0.25 0.605

lab*nch 0.0 0.25 0.605

relative Natural Colour (NC)

lab*trj 0.087 -0.176 -0.176

lab*nce 0.125 0.25 0.625

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 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*LABb 0.0 0.0 0.0

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*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.25 1.0 1.0 (1.0)

cmyn3* 0.75 0.0 0.0 (0.0)

olvi4* 0.25 1.0 1.0 (1.0)

cmyn4* 0.75 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 57.62 -27.67 -19.14

LAB*LABa 57.62 -27.42 -21.35

LAB*LABb 57.62 34.76 217.91

relative CIELAB lab*

lab*lab 0.512 -0.591 -0.46

lab*ch 0.625 0.75 0.605

lab*nch 0.0 0.75 0.605

relative Natural Colour (NC)

lab*trj 0.512 -0.529 -0.529

lab*nce 0.625 0.75 0.625

relative Inform. Technology (IT)

olvi3* 0.0 1.0 1.0 (1.0)

cmyn3* 1.0 0.0 0.0 (0.0)

olvi4* 0.0 1.0 1.0 (0.0)

cmyn4* 1.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 45.03 -36.36 -28.47

LAB*LABa 45.03 -36.36 -28.47

LAB*LABb 45.03 46.35 217.91

relative CIELAB lab*

lab*lab 0.349 -0.788 -0.613

lab*ch 0.5 1.0 0.605

lab*nch 0.0 1.0 0.605

relative Natural Colour (NC)

lab*trj 0.349 -0.706 -0.706

lab*nce 0.0 1.0 0.625

relative Inform. Technology (IT)

olvi3* 0.0 0.25 0.25 (1.0)

cmyn3* 1.0 0.25 0.25 (0.0)

olvi4* 0.25 1.0 1.0 (0.0)

cmyn4* 0.25 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 38.28 -27.3 -20.44

LAB*LABa 38.28 -27.42 -21.35

LAB*LABb 38.28 34.76 217.91

relative CIELAB lab*

lab*lab 0.262 -0.591 -0.46

lab*ch 0.375 0.75 0.605

lab*nch 0.0 0.75 0.605

relative Natural Colour (NC)

lab*trj 0.262 -0.529 -0.529

lab*nce 0.25 0.75 0.625

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 11.01 0.0 0.0

LAB*LABa 11.01 0.0 0.0

LAB*LABb 11.01 0.0 0.0

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*trj 0.0 0.0 0.0

lab*nce 0.0 0.0 0.0

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$

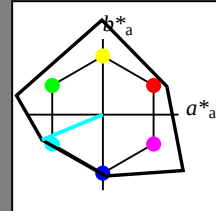
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 203/360 = 0.563$ lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 149$

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 0.0 -0.01

LAB*LABa 95.41 0.0 0.0

LAB*LABb 95.41 0.0 0.0

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*trj 1.0 0.0 0.0

lab*nce 1.0 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 74.31 0.02 0.0

LAB*LABa 74.31 0.0 0.0

LAB*LABb 74.31 0.0 0.0

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*trj 0.75 0.0 0.0

lab*nce 0.75 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.

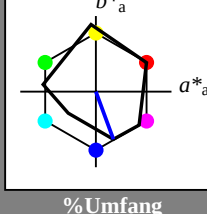
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*  $u^*_{rel} = 91$

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*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

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*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44	
LAB*LABa	76.06	0.0	0.0	
LAB*LABb	75.00	0.01	0.0	

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*lab	0.75	0.0	0.0	
lab*ch	0.0	0.75	0.0	
lab*nch	0.0	0.0	0.75	

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14	
LAB*LABa	56.71	0.0	0.0	
LAB*LABb	50.00	0.01	0.0	

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	0.5	

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	
lab*ch	0.0	0.5	0.0	
lab*nch	0.0	0.0	0.5	

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.46	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

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*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
LAB*LAB	80.72	5.1	-11.98	
LAB*LABa	80.72	5.79	-15.75	
LAB*LABb	87.5	16.79	290.19	

relative CIELAB lab*

lab*lab	0.62	0.173	-0.468	
lab*ch	0.62	0.173	-0.468	
lab*nch	0.0	0.5	0.806	

relative Natural Colour (NC)

lab*lab	0.62	0.173	-0.468	
lab*ch	0.0	0.5	0.806	
lab*nch	0.0	0.0	0.5	

standard and adapted CIELAB

LAB*LAB	61.37	5.47	-13.29	
LAB*LABa	61.37	5.8	-15.75	
LAB*LABb	62.5	16.8	290.19	

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	0.0	
lab*nch	0.0	0.5	0.0	

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	
lab*ch	0.0	0.5	0.0	
lab*nch	0.0	0.0	0.5	

standard and adapted CIELAB

LAB*LAB	42.02	5.84	-14.6	
LAB*LABa	42.02	5.8	-15.75	
LAB*LABb	37.5	16.8	290.19	

relative CIELAB lab*

lab*lab	0.31	0.086	-0.234	
lab*ch	0.31	0.086	-0.234	
lab*nch	0.0	0.25	0.806	

relative Natural Colour (NC)

lab*lab	0.31	0.086	-0.234	
lab*ch	0.0	0.25	0.806	
lab*nch	0.0	0.0	0.25	

standard and adapted CIELAB

LAB*LAB	27.34	11.92	-31.35	
LAB*LABa	27.34	11.99	-31.35	
LAB*LABb	25.01	33.59	290.19	

 $n^* = 0.50$ $n^* = 0.25$ $n^* = 0.00$

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
LAB*LAB	66.03	11.17	-28.74	
LAB*LABa	66.03	11.29	-31.51	
LAB*LABb	75.0	33.59	290.19	

relative CIELAB lab*

lab*lab	0.62	0.173	-0.468	
lab*ch	0.62	0.173	-0.468	
lab*nch	0.0	0.5	0.806	

relative Natural Colour (NC)

lab*lab	0.62	0.173	-0.468	
lab*ch	0.0	0.5	0.806	
lab*nch	0.0	0.0	0.5	

standard and adapted CIELAB

LAB*LAB	51.34	17.25	-45.49	
LAB*LABa	51.34	17.39	-47.29	
LAB*LABb	62.5	50.38	290.19	

relative CIELAB lab*

lab*lab	0.431	0.193	-0.724	
lab*ch	0.431	0.193	-0.724	
lab*nch	0.0	0.75	0.91	

relative Natural Colour (NC)

lab*lab	0.431	0.193	-0.724	
lab*ch	0.0	0.75	0.91	
lab*nch	0.0	0.0	0.75	

standard and adapted CIELAB

LAB*LAB	36.65	23.18	-63.03	
LAB*LABa	36.65	23.18	-63.03	
LAB*LABb	50.0	67.17	290.19	

relative CIELAB lab*

lab*lab	0.241	0.345	-0.937	
lab*ch	0.241	0.345	-0.937	
lab*nch	0.0	1.0	0.806	

relative Natural Colour (NC)

lab*lab	0.241	0.345	-0.937	
lab*ch	0.0	1.0	0.806	
lab*nch	0.0	0.0	1.0	

standard and adapted CIELAB

LAB*LAB	32.0	17.62	-46.8	
LAB*LABa	32.0	17.39	-47.29	
LAB*LABb	37.51	50.38	290.19	

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$

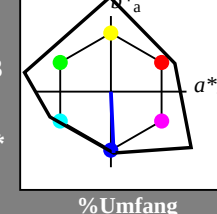
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 273/360 = 0.757$ lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*  $u^*_{rel} = 149$

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*LABa	95.41	0.0	0.0	
LAB*LABb	99.99	0.01	0.0	

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*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0	
LAB*LABa	74.31	0.0	0.0	
LAB*LABb	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	0.0	
lab*nch	0.0	0.5	0.0	

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0	
lab*ch	0.0	0.5	0.0	
lab*nch	0.0	0.0	0.5	

standard and adapted CIELAB

LAB*LAB	53.21	0.04	0.0	
LAB*LABa	53.21	0.0	0.0	
LAB*LABb	50.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	
lab*ch	0.25	0.0	0.0	
lab*nch	0.0	0.25	0.0	

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0	
lab*ch	0.0	0.25	0.0	
lab*nch	0.0	0.0	0.25	

standard and adapted CIELAB

LAB*LAB	41.6	0.96	-20.28	
LAB*LABa	41.6	0.91	-20.29	
LAB*LABb	37.5	20.32	272.57	

relative CIELAB lab*

lab*lab	0.13	0.011	-0.249	
lab*ch	0.13	0.011	-0.249	
lab*nch	0.0	0.25	0.757	

relative Natural Colour (NC)

lab*lab	0.13	0.011	-0.249	
lab*ch	0.0	0.25	0.757	
lab*nch	0.0	0.0	0.25	

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$

NCS11; adaptierte CIELAB-Daten

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

	L^*	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	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
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	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

%Regularität

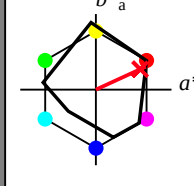
Eingabe: Farbmetrisches Reflexions-System MRS18

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

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 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*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

olvi3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 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*LAB 76.06 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.75 0.75 (1.0)

lab*tch 0.75 0.75 0.75 (1.0)

lab*nch 0.25 0.25 0.25 (0.0)

relative Natural Colour (NC)

lab*lab 0.75 0.75 0.75 (1.0)

lab*tch 0.75 0.75 0.75 (1.0)

lab*nch 0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (0.0)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 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*LAB 56.71 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.5 0.5 (0.0)

lab*tch 0.5 0.5 0.5 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Natural Colour (NC)

lab*lab 0.5 0.5 0.5 (0.0)

lab*tch 0.5 0.5 0.5 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 0.25 0.25 0.25 (1.0)

olvi3* 0.75 0.75 0.75 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.36 0.3 0.63

LAB*LAB 37.36 0.0 0.0

LAB*LAB 37.36 0.0 0.0

relative CIELAB lab*

lab*lab 0.25 0.25 0.25 (0.0)

lab*tch 0.25 0.25 0.25 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Natural Colour (NC)

lab*lab 0.25 0.25 0.25 (0.0)

lab*tch 0.25 0.25 0.25 (0.0)

lab*nch 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 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*LAB 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01

LAB*LAB 0.01 0.01

LAB*LAB 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.75 0.75 (1.0)

olvi3* 0.0 0.25 0.25 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

olvi4* 0.0 0.25 0.25 (0.0)

olvi5* 1.0 0.75 0.75 (1.0)

olvi5* 0.0 0.25 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 83.6 15.74 11.55

LAB*LAB 83.6 16.5 7.59

LAB*LAB 83.6 16.5 7.59

relative CIELAB lab*

lab*lab 0.847 0.25 0.104

lab*tch 0.875 0.25 0.069

lab*nch 0.0 0.25 0.069

relative Natural Colour (NC)

lab*lab 0.847 0.25 0.104

lab*tch 0.875 0.25 0.069

lab*nch 0.0 0.25 0.069

relative Inform. Technology (IT)

olvi3* 0.75 0.5 0.5 (1.0)

olvi3* 0.25 0.5 0.5 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

olvi4* 0.0 0.25 0.25 (0.0)

olvi5* 1.0 0.75 0.75 (1.0)

olvi5* 0.0 0.25 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 64.26 16.12 10.25

LAB*LAB 64.26 16.5 7.59

LAB*LAB 64.26 16.5 7.59

relative CIELAB lab*

lab*lab 0.598 0.227 0.104

lab*tch 0.625 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Natural Colour (NC)

lab*lab 0.598 0.227 0.104

lab*tch 0.625 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Inform. Technology (IT)

olvi3* 0.5 0.75 0.75 (1.0)

olvi3* 0.25 0.75 0.75 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

olvi4* 0.0 0.25 0.25 (0.0)

olvi5* 1.0 0.75 0.75 (1.0)

olvi5* 0.0 0.25 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 44.51 16.49 8.94

LAB*LAB 44.51 16.5 7.59

LAB*LAB 44.51 16.5 7.59

relative CIELAB lab*

lab*lab 0.348 0.227 0.104

lab*tch 0.375 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Natural Colour (NC)

lab*lab 0.348 0.227 0.104

lab*tch 0.375 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Inform. Technology (IT)

olvi3* 0.25 0.5 0.5 (1.0)

olvi3* 0.75 0.5 0.5 (0.0)

olvi4* 1.0 0.75 0.75 (1.0)

olvi4* 0.0 0.25 0.25 (0.0)

olvi5* 1.0 0.75 0.75 (1.0)

olvi5* 0.0 0.25 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 25.56 16.86 7.64

LAB*LAB 25.56 16.5 7.59

LAB*LAB 25.56 16.5 7.59

relative CIELAB lab*

lab*lab 0.098 0.227 0.104

lab*tch 0.125 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Natural Colour (NC)

lab*lab 0.098 0.227 0.104

lab*tch 0.125 0.25 0.069

lab*nch 0.25 0.25 0.069

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi3* 1.0 0.0 0.0 (0.0)

olvi4* 1.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 0.0 0.0 (1.0)

olvi5* 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*LAB 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi3* 1.0 0.0 0.0 (0.0)

olvi4* 1.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.01 0.01

LAB*LAB 0.01 0.01

LAB*LAB 0.01 0.01

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

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
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
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)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi5* 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 71.8 32.47 18.34

LAB*LAB 71.8 33.0 15.17

LAB*LAB 71.8 33.0 15.17

relative CIELAB lab*

lab*lab 0.695 0.454 0.209

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Natural Colour (NC)

lab*lab 0.695 0.454 0.209

lab*tch 0.75 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Inform. Technology (IT)

olvi3* 0.75 0.25 0.25 (1.0)

olvi3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi4* 0.5 0.5 0.5 (0.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi5* 0.5 0.5 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 60.0 49.2 25.13

LAB*LAB 60.0 49.5 22.77

LAB*LAB 60.0 49.5 22.77

relative CIELAB lab*

lab*lab 0.542 0.681 0.313

lab*tch 0.625 0.75 0.069

lab*nch 0.0 0.75 0.069

relative Natural Colour (NC)

lab*lab 0.542 0.681 0.313

lab*tch 0.625 0.75 0.069

lab*nch 0.0 0.75 0.069

relative Inform. Technology (IT)

olvi3* 0.5 0.0 0.0 (1.0)

olvi3* 0.5 0.0 0.0 (0.0)

olvi4* 1.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 40.66 49.57 23.94

LAB*LAB 40.66 49.5 22.77

LAB*LAB 40.66 49.5 22.77

relative CIELAB lab*

lab*lab 0.293 0.681 0.313

lab*tch 0.375 0.75 0.069

lab*nch 0.0 0.75 0.069

relative Natural Colour (NC)

lab*lab 0.293 0.681 0.313

lab*tch 0.375 0.75 0.069

lab*nch 0.0 0.75 0.069

relative Inform. Technology (IT)

olvi3* 0.25 0.0 0.0 (1.0)

olvi3* 0.25 0.0 0.0 (0.0)

olvi4* 1.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 0.0 0.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 33.11 32.21 15.74

LAB*LAB 33.11 32.0 15.18

LAB*LAB 33.11 32.0 15.18

relative CIELAB lab*

lab*lab 0.195 0.454 0.209

lab*tch 0.25 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Natural Colour (NC)

lab*lab 0.195 0.454 0.209

lab*tch 0.25 0.5 0.069

lab*nch 0.0 0.5 0.069

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

olvi3* 1.0 0.0 0.0 (0.0)

olvi4* 1.0 0.0 0.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 0.0 0.0 (1.0)

olvi5* 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*LAB 18.02 0.0 0.0

relative CIELAB lab*

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.0 0.0 0.0 (0.0)

lab*tch 0.0 0.0 0.0 (0.0)

lab*nch 1.0 0.0 0.0

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$ $n^* = 1.00$

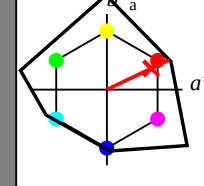
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 25/360 = 0.071$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3* 1.0 1.0 1.0 (1.0)

olvi3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 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*LAB 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.75 0.75 (1.0)

olvi3* 0.25 0.25 0.25 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 74.31 0.02 0.0

LAB*LAB 74.31 0.0 0.0

LAB*LAB 74.31 0.0 0.0

relative CIELAB lab*

lab*lab 0.86 0.26 0.108

lab*tch 0.875 0.25 0.071

lab*nch 0.0 0.25 0.071

relative Natural Colour (NC)

lab*lab 0.86 0.26 0.108

lab*tch 0.875 0.25 0.071

lab*nch 0.0 0.25 0.071

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

olvi3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 (1.0)

olvi4* 0.0 0.0 0.0 (0.0)

olvi5* 1.0 1.0 1.0 (1.0)

olvi5* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 62.51 20.64 9.84

LAB*LAB 62.51 20.64 9.84

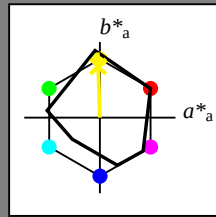
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

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)
LAB*LAB	95.41	-0.97	47.5	
LAB*LAB	95.41	0.0	0.0	
LAB*TCHa	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*lab	1.0	0.0	0.0	
lab*ch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44	
LAB*LAB	76.06	0.0	0.0	
LAB*TCHa	75.00	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*lab	0.75	0.0	0.0	
lab*ch	0.75	0.0	0.0	
lab*nch	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*TCHa	50.00	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*lab	0.5	0.0	0.0	
lab*ch	0.5	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	37.36	-0.3	0.63	
LAB*LAB	37.36	0.0	0.0	
LAB*TCHa	25.00	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*lab	0.25	0.0	0.0	
lab*ch	0.25	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	18.02	-0.1	0.46	
LAB*LAB	18.02	0.0	0.0	
LAB*TCHa	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	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0	
LAB*LAB	0.0	0.0	0.0	
LAB*TCHa	0.0	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	
lab*ch	0.0	0.0	0.0	
lab*nch	0.0	0.0	0.0	

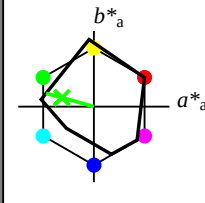
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 164

rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit t^* 

relative Inform. Technology (IT)

 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCH = 99.99 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*ch = 1.0 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 1.0 \ 0.0 \ 0.0$
 $lab^*ce = 1.0 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 76.06 \ -0.6 \ 3.44$
 $LAB^*LAB = 76.06 \ 0.0 \ 0.0$
 $LAB^*TCH = 75.00 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.75 \ 0.0 \ 0.0$
 $lab^*ch = 0.75 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.75 \ 0.0 \ 0.0$
 $lab^*ce = 0.75 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $cmyn^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 56.71 \ -0.23 \ 2.14$
 $LAB^*LAB = 56.71 \ 0.0 \ 0.0$
 $LAB^*TCH = 50.00 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*ch = 0.5 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.5 \ 0.0 \ 0.0$
 $lab^*ce = 0.5 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.25 \ 0.25 \ 0.25 \ (1.0)$
 $cmyn^* = 0.75 \ 0.75 \ 0.75 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 37.36 \ -0.37 \ 0.83$
 $LAB^*LAB = 37.36 \ 0.0 \ 0.0$
 $LAB^*TCH = 25.00 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*ch = 0.25 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.25 \ 0.0 \ 0.0$
 $lab^*ce = 0.25 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 18.02 \ 18.02 \ 0.46$
 $LAB^*LAB = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCH = 0.01 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.0 \ 0.0 \ 0.0$
 $lab^*ce = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 18.02 \ 18.02 \ 0.46$
 $LAB^*LAB = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCH = 0.01 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.0 \ 0.0 \ 0.0$
 $lab^*ce = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.776 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn^* = 0.224 \ 0.0 \ 0.25 \ (0.0)$
 $olvi^* = 0.776 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn^* = 0.224 \ 0.0 \ 0.25 \ (0.0)$
 $LAB^*LAB = 85.57 \ -16.58 \ 8.49$
 $LAB^*LAB = 85.57 \ -15.79 \ 4.4$
 $LAB^*TCH = 87.5 \ 16.4 \ 164.45$

relative CIELAB lab*

 $lab^*lab = 0.776 \ 0.25 \ 0.457$
 $lab^*ch = 0.875 \ 0.25 \ 0.457$
 $lab^*nch = 0.0 \ 0.25 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.875 \ -0.249 \ 0.0$
 $lab^*ce = 0.875 \ 0.25 \ 0.5$
 $lab^*nch = 0.0 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.526 \ 0.75 \ 0.5 \ (1.0)$
 $cmyn^* = 0.474 \ 0.25 \ 0.5 \ (0.0)$
 $olvi^* = 0.776 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn^* = 0.224 \ 0.0 \ 0.25 \ (0.0)$
 $LAB^*LAB = 66.22 \ -16.22 \ 7.19$
 $LAB^*LAB = 66.22 \ -15.8 \ 4.4$
 $LAB^*TCH = 62.5 \ 16.41 \ 164.46$

relative CIELAB lab*

 $lab^*lab = 0.625 \ -0.24 \ 0.067$
 $lab^*ch = 0.625 \ 0.25 \ 0.457$
 $lab^*nch = 0.25 \ 0.25 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.623 \ -0.249 \ 0.0$
 $lab^*ce = 0.625 \ 0.25 \ 0.5$
 $lab^*nch = 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.276 \ 0.5 \ 0.2 \ (1.0)$
 $cmyn^* = 0.724 \ 0.5 \ 0.75 \ (0.0)$
 $olvi^* = 0.776 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn^* = 0.224 \ 0.0 \ 0.25 \ (0.0)$
 $LAB^*LAB = 46.8 \ -15.85 \ 5.88$
 $LAB^*LAB = 46.87 \ -15.8 \ 4.4$
 $LAB^*TCH = 37.5 \ 16.41 \ 164.46$

relative CIELAB lab*

 $lab^*lab = 0.373 \ -0.24 \ 0.067$
 $lab^*ch = 0.375 \ 0.25 \ 0.457$
 $lab^*nch = 0.25 \ 0.25 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.373 \ -0.249 \ 0.0$
 $lab^*ce = 0.375 \ 0.25 \ 0.5$
 $lab^*nch = 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.026 \ 0.75 \ 1.0 \ (1.0)$
 $cmyn^* = 0.974 \ 0.75 \ 1.0 \ (0.0)$
 $olvi^* = 0.776 \ 1.0 \ 0.75 \ (1.0)$
 $cmyn^* = 0.224 \ 0.0 \ 0.25 \ (0.0)$
 $LAB^*LAB = 27.52 \ -15.8 \ 4.57$
 $LAB^*LAB = 27.52 \ -15.8 \ 4.39$
 $LAB^*TCH = 12.5 \ 16.4 \ 164.49$

relative CIELAB lab*

 $lab^*lab = 0.123 \ -0.24 \ 0.067$
 $lab^*ch = 0.125 \ 0.25 \ 0.457$
 $lab^*nch = 0.25 \ 0.25 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.123 \ -0.249 \ 0.0$
 $lab^*ce = 0.125 \ 0.25 \ 0.5$
 $lab^*nch = 0.25 \ 0.25 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 18.02 \ 18.02 \ 0.46$
 $LAB^*LAB = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCH = 0.01 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.0 \ 0.0 \ 0.0$
 $lab^*ce = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 18.02 \ 18.02 \ 0.46$
 $LAB^*LAB = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCH = 0.01 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.0 \ 0.0 \ 0.0$
 $lab^*ce = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$

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
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
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)

 $olvi^* = 0.327 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn^* = 0.673 \ 0.0 \ 0.5 \ (0.0)$
 $olvi^* = 0.551 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn^* = 0.449 \ 0.0 \ 0.5 \ (0.0)$
 $LAB^*LAB = 75.74 \ -32.2 \ 12.22$
 $LAB^*LAB = 75.74 \ -31.6 \ 8.79$
 $LAB^*TCH = 75.0 \ 32.81 \ 164.46$

relative CIELAB lab*

 $lab^*lab = 0.746 \ -0.481 \ 0.134$
 $lab^*ch = 0.75 \ 0.5 \ 0.457$
 $lab^*nch = 0.0 \ 0.5 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.746 \ -0.499 \ 0.0$
 $lab^*ce = 0.75 \ 0.5 \ 0.5$
 $lab^*nch = 0.0 \ 0.5 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.301 \ 0.5 \ 0.2 \ (1.0)$
 $cmyn^* = 0.699 \ 0.25 \ 0.75 \ (0.0)$
 $olvi^* = 0.551 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn^* = 0.449 \ 0.0 \ 0.5 \ (0.0)$
 $LAB^*LAB = 56.39 \ -31.84 \ 10.92$
 $LAB^*LAB = 56.39 \ -31.61 \ 8.79$
 $LAB^*TCH = 50.0 \ 32.81 \ 164.46$

relative CIELAB lab*

 $lab^*lab = 0.619 \ -0.722 \ 0.201$
 $lab^*ch = 0.625 \ 0.75 \ 0.457$
 $lab^*nch = 0.0 \ 0.75 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.619 \ -0.749 \ 0.0$
 $lab^*ce = 0.625 \ 0.75 \ 0.5$
 $lab^*nch = 0.0 \ 0.75 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.077 \ 0.75 \ 0.0 \ (1.0)$
 $cmyn^* = 0.923 \ 0.25 \ 1.0 \ (0.0)$
 $olvi^* = 0.327 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn^* = 0.673 \ 0.0 \ 0.5 \ (0.0)$
 $LAB^*LAB = 46.55 \ -47.46 \ 14.64$
 $LAB^*LAB = 46.55 \ -47.41 \ 13.18$
 $LAB^*TCH = 37.51 \ 49.22 \ 164.47$

relative CIELAB lab*

 $lab^*lab = 0.369 \ -0.722 \ 0.201$
 $lab^*ch = 0.375 \ 0.75 \ 0.457$
 $lab^*nch = 0.25 \ 0.75 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.369 \ -0.749 \ 0.0$
 $lab^*ce = 0.375 \ 0.75 \ 0.5$
 $lab^*nch = 0.25 \ 0.75 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.031 \ 0.5 \ 0.0 \ (1.0)$
 $cmyn^* = 0.949 \ 0.5 \ 1.0 \ (0.0)$
 $olvi^* = 0.551 \ 1.0 \ 0.5 \ (1.0)$
 $cmyn^* = 0.449 \ 0.0 \ 0.5 \ (0.0)$
 $LAB^*LAB = 27.04 \ -31.47 \ 9.6$
 $LAB^*LAB = 27.04 \ -31.6 \ 8.78$
 $LAB^*TCH = 25.01 \ 32.81 \ 164.47$

relative CIELAB lab*

 $lab^*lab = 0.246 \ -0.481 \ 0.134$
 $lab^*ch = 0.25 \ 0.5 \ 0.457$
 $lab^*nch = 0.0 \ 0.5 \ 0.457$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.246 \ -0.499 \ 0.0$
 $lab^*ce = 0.25 \ 0.5 \ 0.5$
 $lab^*nch = 0.0 \ 0.5 \ 0.998$

relative Inform. Technology (IT)

 $olvi^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmyn^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 18.02 \ 18.02 \ 0.46$
 $LAB^*LAB = 18.02 \ 0.0 \ 0.0$
 $LAB^*TCH = 0.01 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 0.0 \ 0.0 \ 0.0$
 $lab^*ch = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 0.0 \ 0.0 \ 0.0$
 $lab^*ce = 0.0 \ 0.0 \ 0.0$
 $lab^*nch = 1.0 \ 0.0 \ 0.0$

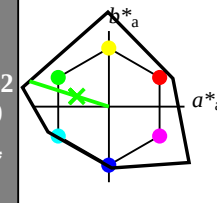
Ausgabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^* 

relative Inform. Technology (IT)

 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 95.41 \ -0.97 \ 4.75$
 $LAB^*LAB = 95.41 \ 0.0 \ 0.0$
 $LAB^*TCH = 99.99 \ 0.01 \ 0.0$

relative CIELAB lab*

 $lab^*lab = 1.0 \ 0.0 \ 0.0$
 $lab^*ch = 1.0 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$
 $relative \ Natural \ Colour \ (NC)$
 $lab^*tr = 1.0 \ 0.0 \ 0.0$
 $lab^*ce = 1.0 \ 0.0 \ 0.0$
 $lab^*nch = 0.0 \ 0.0 \ 0.0$

relative Inform. Technology (IT)

 $olvi^* = 0.75 \ 0.75 \ 0.75 \ (1.0)$
 $cmyn^* = 0.25 \ 0.25 \ 0.25 \ (0.0)$
 $olvi^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmyn^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $LAB^*LAB = 76.06 \ -0.6$

