

Eingabe: Farbmimetrisches Reflexions-System ORS18

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



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				
LAR*LAR	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
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	56.71	-0.23	2.14
LAB*LAB _{ad}	56.71	0.0	0.0
LAB*IT _{ad}	50.0	0.01	-

relative CIELAB <i>lab</i> *			
<i>lab*lab</i>	0.5	0.0	0.0
<i>lab*tch</i>	0.5	0.0	–
<i>lab*nch</i>	0.5	0.0	–
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.5	0.0	0.0
<i>lab*tce</i>	0.5	0.0	–
<i>lab*ncE</i>	0.5	0.0	–

relative Inform. Technology (IT)			
olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	18.02	0.5	-0.46
LAB*LAB _a	18.02	0.0	0.0
LAB*TC _{Ha}	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	1.0	0.0	—

 $n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	C^*_{aba}	h^*_{ab}
YMa	47.94	65.37	50.52	82.62	38
OMa	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	2309
VMa	25.71	31.11	-44.42	54.24	2065
NMa	48.13	75.27	-8.35	75.73	35
MMa	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
GIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	277

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	71.67	32.15	28.41
LAB*LABa	71.67	32.68	25.25
LAB*TC _{Ho}	75.0	41.3	37.7

	0.693	0.396	0.306
<i>lab*lab</i>	0.693	0.396	0.306
<i>lab*tch</i>	0.75	0.5	0.105
<i>lab*nch</i>	0.0	0.5	0.105

	0.693	0.477	0.15
<i>lab*lrj</i>	0.693	0.477	0.15
<i>lab*tce</i>	0.75	0.5	0.048
<i>lab*nCe</i>	0.0	0.5	0.191

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	32.98	32.9	25.8
LAB*LABa	32.98	32.68	25.25
LAB*TC _{Ha}	25.01	41.3	37.7

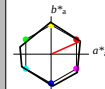
relative CIELAB lab*			
lab*lab	0.193	0.396	0.306
lab*tch	0.25	0.5	0.105
lab*nch	0.5	0.5	0.105
relative Natural Colour (NC)			
lab*lrj	0.193	0.477	0.15
lab*tce	0.25	0.5	0.048
lab*nCe	0.5	0.5	r19]

0,25 0,50 $n^* = 0,50$

0,25	0,50	$n^* = 0,50$	0,75	1,00	relative CIELAB lab^*	0,0	0,0	0,0	0,25	0,50	$n^* = 0,50$	0,75	1,00
					lab^*/lab	0,0	0,0	0,0					

Ausgabe: Farbmétrisches Reflexions-System NRS11

für Buntton $h^* = lab^*h = 24/360 = 0.067$
 lab^*tch und lab^*nch



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				
LAR*LAR	95.41	0.0	-0.01	

LAB*LABa	95.41	0.0	0.0
LAB*TCh	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
cmyn3*	0.5	0.5	0.5
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	53.21	0.04	0.0
LAB*LAB ₀	53.21	0.0	0.0
LAB*TC _{h0}	50.0	0.01	-

relative CIELAB <i>lab</i> ^a	0.5	0.0	0.0
<i>lab</i> ^a <i>lab</i>	0.5	0.0	0.0
<i>lab</i> ^a <i>tch</i>	0.5	0.0	–
<i>lab</i> ^a <i>nch</i>	0.5	0.0	–
relative Natural Colour (NC)	0.5	0.0	0.0
<i>lab</i> ^a <i>trj</i>	0.5	0.0	0.0
<i>lab</i> ^a <i>tce</i>	0.5	0.0	–
<i>lab</i> ^a <i>nce</i>	0.5	0.0	–

relative Inform. Technology (IT)			
olvi3*	0.0	0.0	0.0
cmyn3*	1.0	1.0	1.0
olvi4*	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0
standard and adapted CIELAB			
LAB*LAB	11.01	0.07	0.01
LAB*LAB ₀	11.01	0.0	0.0
LAB*TC ₀	0.01	0.01	-

relative CIELAB <i>lab</i> *			
<i>lab*lab</i>	0.0	0.0	0.0
<i>lab*tch</i>	0.0	0.0	–
<i>lab*nch</i>	1.0	0.0	–
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.0	0.0	0.0
<i>lab*tce</i>	0.0	0.0	–
<i>lab*nce</i>	1.0	0.0	–

 $n^* = 1.0$

NRS11; adaptierte CIELAB-Daten

		$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
α	RMa	53.2	77.06	34.32	84.36	24
	JMa	53.2	-1.51	84.38	84.39	91
	GMa	53.2	-82.27	18.98	84.44	167
	G50BMa	53.2	-77.72	-32.98	84.44	203
	BMa	53.2	4.37	-84.28	84.41	273
	B50RMa	53.2	69.09	-48.41	84.37	325
	NMa	10.99	0.0	0.0	0.0	0
β	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
	Bvrc	30.57	1.35	-46.48	46.51	272

relative Inform. Technology (IT)			
olvi3*	1.0	0.5	0.5
cmyn3*	0.0	0.5	0.5
olvi4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	74.3	38.55	17.16
LAB*LABa	74.3	38.52	17.16
LAB*TCb	75.0	47.17	24.01

relative CIELAB lab*	0.75	0.457	0.203
lab*lab	0.75	0.457	0.203
lab*tch	0.75	0.5	0.067
lab*nch	0.0	0.5	0.067

relative Natural Colour (NC)	0.75	0.5	-0.008
lab*lrj	0.75	0.5	-0.008
lab*tce	0.75	0.5	0.997
lab*nch	0.0	0.5	0.997

relative Inform. Technology (IT)			
olvi3*	0.5	0.0	0.0
cmyn3*	0.5	1.0	1.0
olvi4*	1.0	0.5	0.5
cmyn4*	0.0	0.5	0.5
standard and adapted CIELAB			
LAB*LAB	32.1	38.58	17.17
LAB*LAB _a	32.1	38.52	17.16
LAB*TCRa	25.01	42.17	24.01

relative CIELAB lab*	0.25	0.457	0.203
lab*lab	0.25	0.5	0.067
lab*tch	0.5	0.5	0.067
lab*nch	0.5	0.5	0.067
relative Natural Colour (NC)	0.25	0.5	-0.009
lab*lrj	0.25	0.5	0.997
lab*tce	0.25	0.5	0.997
lab*nce	0.5	0.5	b9Br

0,25 0,50 $n^* = 0,50$

IBAM-Prüfvorlage TG12; Farbmetrik-Systeme ORS18 & NRS11 input: `olv* setrgbcolor`
D65; 2 Koordinaten-Daten von 3stufigen Farbreihen für 10 Buntnüancen; output: `olv* setrgbcolor / w* setgray`

D65: 2 Koordinaten-Daten von 3stufigen Farbreihen für 10 Bunttöne
Output: *olv* setrgbcolor / w* setgray*