

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 31/360 = 0.086$

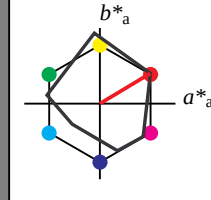
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 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	0.01	0.0	
LAB*LABa	95.41	0.01	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)	1.0	0.0	0.0	
lab*tr	1.0	0.0	0.0	
lab*ce	1.0	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)
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	0.03	0.0	
LAB*LABa	76.06	0.03	0.0	
LAB*LABb	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*ch	0.75	0.75	0.75	(1.0)
lab*nch	0.25	0.25	0.25	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*tr	0.75	0.75	0.75	(1.0)
lab*ce	0.75	0.75	0.75	(1.0)
lab*nce	0.25	0.25	0.25	(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)
LAB*LAB	56.71	0.05	0.0	
LAB*LABa	56.71	0.05	0.0	
LAB*LABb	50.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	(0.0)
lab*nch	0.5	0.5	0.5	(0.0)
relative Natural Colour (NC)	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)
lab*ce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(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	0.03	0.01	
LAB*LABa	37.36	0.03	0.01	
LAB*LABb	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.25	0.25	0.25	(1.0)
lab*nch	0.75	0.75	0.75	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.25	0.25	0.25	(1.0)
lab*ce	0.25	0.25	0.25	(1.0)
lab*nce	0.75	0.75	0.75	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(0.0)

UG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme ORS18 & ORS18input: cmy0* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependend

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

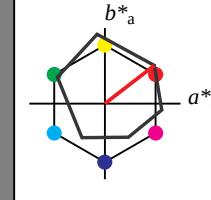
lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 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	0.01	0.0	
LAB*LABa	95.41	0.01	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)	1.0	0.0	0.0	
lab*tr	1.0	0.0	0.0	
lab*ce	1.0	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)
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	0.03	0.0	
LAB*LABa	76.06	0.03	0.0	
LAB*LABb	75.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*ch	0.75	0.75	0.75	(1.0)
lab*nch	0.25	0.25	0.25	(0.0)
relative Natural Colour (NC)	0.75	0.75	0.75	(1.0)
lab*tr	0.75	0.75	0.75	(1.0)
lab*ce	0.75	0.75	0.75	(1.0)
lab*nce	0.25	0.25	0.25	(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)
LAB*LAB	56.71	0.05	0.0	
LAB*LABa	56.71	0.05	0.0	
LAB*LABb	50.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	(0.0)
lab*nch	0.5	0.5	0.5	(0.0)
relative Natural Colour (NC)	0.5	0.5	0.5	(0.0)
lab*tr	0.5	0.5	0.5	(0.0)
lab*ce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(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	0.03	0.01	
LAB*LABa	37.36	0.03	0.01	
LAB*LABb	25.00	0.01	0.0	

relative CIELAB lab*

lab*lab	0.25	0.25	0.25	(1.0)
lab*ch	0.25	0.25	0.25	(1.0)
lab*nch	0.75	0.75	0.75	(0.0)
relative Natural Colour (NC)	0.25	0.25	0.25	(1.0)
lab*tr	0.25	0.25	0.25	(1.0)
lab*ce	0.25	0.25	0.25	(1.0)
lab*nce	0.75	0.75	0.75	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	1.0	1.0	(0.0)
relative Natural Colour (NC)	0.0	0.0	0.0	(1.0)
lab*tr	0.0	0.0	0.0	(1.0)
lab*ce	0.0	0.0	0.0	(1.0)
lab*nce	1.0	1.0	1.0	(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	0.02	0.0	
LAB*LABa	18.02	0.02	0.0	
LAB*LABb	0.01	0.01	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*ch	0.0	0.0	0.0	(1.0)
lab*nch	1.0	0.0	0.0	(1.0)

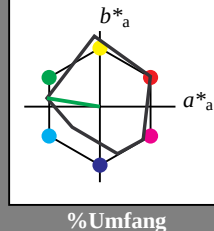
Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 171/360 = 0.475$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 52 71 171
rgb*Ma: 0.0 1.0 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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0
LAB*LABc 95.41 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 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 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 76.06 0.03 0.0
LAB*LABc 76.06 0.03 0.0

relative CIELAB lab*
lab*lab 0.86 -0.246 0.04
lab*ch 0.875 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*lab 0.86 -0.247 -0.03
lab*ch 0.875 0.25 0.475
lab*nch 0.0 0.25 0.475

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 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 56.71 0.05 0.0
LAB*LABc 56.71 0.05 0.0

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.03
lab*ch 0.625 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*lab 0.61 -0.247 -0.03
lab*ch 0.625 0.25 0.475
lab*nch 0.0 0.25 0.475

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 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 0.01 0.0
LAB*LABc 37.36 0.01 0.0

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.03
lab*ch 0.375 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*lab 0.36 -0.247 -0.03
lab*ch 0.375 0.25 0.475
lab*nch 0.0 0.25 0.475

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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.11 -0.246 0.04
lab*ch 0.125 0.25 0.475
lab*nch 0.0 0.25 0.475
relative Natural Colour (NC)
lab*lab 0.11 -0.246 0.04
lab*ch 0.125 0.25 0.475
lab*nch 0.0 0.25 0.475

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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (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)
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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (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)
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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (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)
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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (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)
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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.00$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.00$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.00$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.00$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.00$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.00$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.00$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.00$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.00$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.00$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.00$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.00$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.00$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.00$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.00$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

$n^* = 22.00$

$n^* = 22.25$

$n^* = 22.50$

$n^* = 22.75$

$n^* = 23.00$

$n^* = 23.25$

$n^* = 23.50$

$n^* = 23.75$

$n^* = 24.00$

$n^* = 24.25$

$n^* = 24.50$

$n^* = 24.75$

$n^* = 25.00$

$n^* = 25.25$

$n^* = 25.50$

$n^* = 25.75$

$n^* = 26.00$

$n^* = 26.25$

$n^* = 26.50$

$n^* = 26.75$

$n^* = 27.00$

$n^* = 27.25$

$n^* = 27.50$

$n^* = 27.75$

$n^* = 28.00$

$n^* = 28.25$

$n^* = 28.50$

$n^* = 28.75$

$n^* = 29.00$

$n^* = 29.25$

$n^* = 29.50$

$n^* = 29.75$

$n^* = 30.00$

$n^* = 30.25$

$n^* = 30.50$

$n^* = 30.75$

$n^* = 31.00$

$n^* = 31.25$

$n^* = 31.50$

$n^* = 31.75$

$n^* = 32.00$

$n^* = 32.25$

$n^* = 32.50$

$n^* = 32.75$

$n^* = 33.00$

$n^* = 33.25$

$n^* = 33.50$

$n^* = 33.75$

$n^* = 34.00$

$n^* = 34.25$

$n^* = 34.50$

$n^* = 34.75$

$n^* = 35.00$

$n^* = 35.25$

$n^* = 35.50$

$n^* = 35.75$

$n^* = 36.00$

$n^* = 36.25$

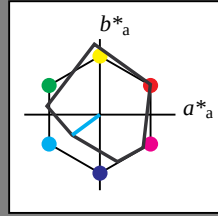
$n^* = 36.50$

$n^* = 36.75$

$n^* = 37.00$

Eingabe: Farbmetrisches Reflexions-System MRS18a für Buntton $h^* = lab^*h = 217/360 = 0.601$ lab^*ch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 217
rgb*Ma: 0.0 1.0 1.0

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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 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*trc 1.0 0.0 0.0
lab*ncc 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 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 76.06 0.03 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*trc 0.75 0.0 0.0
lab*ncc 0.0 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)
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 56.71 0.05 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*trc 0.5 0.0 0.0
lab*ncc 0.0 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)
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 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*trc 0.25 0.0 0.0
lab*ncc 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)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 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)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

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 70.21 -18.28 -13.55
LAB*LABa 70.21 -18.28 -13.55
LAB*LABb 70.21 -18.28 -13.55

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*trc 0.5 0.0 0.0
lab*ncc 0.0 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 50.87 -18.26 -13.54
LAB*LABa 50.87 -18.26 -13.54
LAB*LABb 50.87 -18.26 -13.54

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*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 30.57 1.33 -46.48
LAB*LABa 30.57 1.33 -46.48
LAB*LABb 30.57 1.33 -46.48

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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0

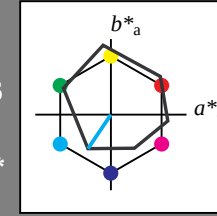
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

Ausgabe: Farbmetrisches Reflexions-System ORS18 für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*ch und lab^*nch

D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0

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 4.75
LAB*LABa 95.41 -0.97 4.75
LAB*LABb 95.41 -0.97 4.75

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*trc 1.0 0.0 0.0
lab*ncc 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
LAB*LABa 76.06 -0.6 3.44
LAB*LABb 76.06 -0.6 3.44

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*trc 0.75 0.0 0.0
lab*ncc 0.0 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)
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 -0.23 2.14
LAB*LABb 56.71 -0.23 2.14

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*trc 0.5 0.0 0.0
lab*ncc 0.0 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)
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 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*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
CLMa	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
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
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

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 77.01 -15.16 -18.98
LAB*LABa 77.01 -15.16 -18.98
LAB*LABb 77.01 -15.16 -18.98

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*trc 0.5 0.0 0.0
lab*ncc 0.0 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 56.71 -15.42 -20.29
LAB*LABa 56.71 -15.42 -20.29
LAB*LABb 56.71 -15.42 -20.29

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*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 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*trj 0.0 0.0 0.0
lab*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

UG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme ORS18 & ORS18input: `cmY0* setcmykcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: `Startup (S) data dependend`

Eingabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$

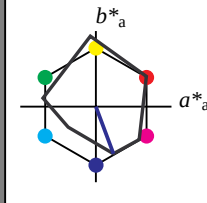
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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 0.01 0.0
LAB*LABa 95.41 0.01 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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ntrc 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)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ntrc 0.25 0.25 0.25 (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 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ntrc 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.26 0.01 0.0
LAB*LABa 37.26 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ntrc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
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 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ntrc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

MRS18a; adaptierte CIELAB-Daten

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

RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.67 -31.12
LAB*LABa 66.03 11.67 -31.12
LAB*LABb 66.03 11.67 -31.12

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*trc 0.5 0.5 0.5 (1.0)
lab*ntrc 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.69 -31.11
LAB*LABa 46.68 11.69 -31.11
LAB*LABb 46.68 11.69 -31.11

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ntrc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 27.34 11.71 -31.11
LAB*LABa 27.34 11.71 -31.11
LAB*LABb 27.34 11.71 -31.11

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

Ausgabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$

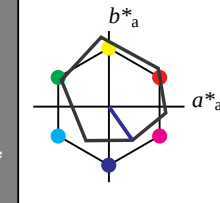
lab^*ch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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 -0.97 4.75
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*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ntrc 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)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 -0.6 3.44
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.75 0.75 (1.0)
lab*ch 0.75 0.75 0.75 (1.0)
lab*nch 0.25 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.75 0.75 (1.0)
lab*trc 0.75 0.75 0.75 (1.0)
lab*ntrc 0.25 0.25 0.25 (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 0.23 2.14
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ch 0.5 0.5 0.5 (0.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*ntrc 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.25 -62.26
LAB*LABa 36.65 23.25 -62.26
LAB*LABb 36.65 23.25 -62.26

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ch 0.25 0.25 0.25 (0.0)
lab*nch 0.75 0.75 0.75 (1.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*ntrc 0.75 0.75 0.75 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 1.0 1.0 1.0 (1.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.00 0.0
LAB*LABa 0.00 0.00 0.0
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*ch 0.0 0.0 0.0 (0.0)
lab*nch 1.0 1.0 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*ntrc 1.0 1.0 1.0 (1.0)

ORS18; adaptierte CIELAB-Daten

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

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
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

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

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

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 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 60.56 15.24 -19.79
LAB*LABa 60.56 15.24 -19.79
LAB*LABb 60.56 15.24 -19.79

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.5 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (1.0)
lab*trc 0.5 0.5 0.5 (1.0)
lab*ntrc 0.5 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
cmyn4* 0.75 0.75 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 41.21 15.61 -21.1
LAB*LABa 41.21 15.61 -21.1
LAB*LABb 41.21 15.61 -21.1

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

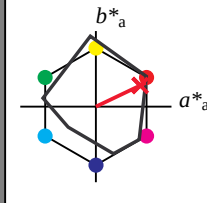
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

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)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

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
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.847 0.226 0.108
lab*ch 0.875 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*trc 0.875 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*TCHa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.597 0.226 0.108
lab*ch 0.625 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.0
lab*trc 0.625 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 48.11 0.08 0.0
LAB*LABa 48.11 0.08 0.0
LAB*TCHa 48.11 0.08 0.0

relative CIELAB lab*
lab*lab 0.444 0.51 0.0
lab*ch 0.444 0.51 0.0
lab*nch 0.0 0.51 0.0
relative Natural Colour (NC)
lab*trj 0.444 0.51 0.0
lab*trc 0.444 0.51 0.0
lab*ncc 0.0 0.51 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 37.36 0.13 0.0
LAB*LABa 37.36 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.347 0.226 0.108
lab*ch 0.375 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*trc 0.375 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 33.07 0.13 0.0
LAB*LABa 33.07 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.292 0.226 0.108
lab*ch 0.319 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.292 0.25 0.0
lab*trc 0.319 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 30.07 0.13 0.0
LAB*LABa 30.07 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.242 0.226 0.108
lab*ch 0.269 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.242 0.25 0.0
lab*trc 0.269 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 25.00 0.13 0.0
LAB*LABa 25.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.193 0.226 0.108
lab*ch 0.220 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.193 0.25 0.0
lab*trc 0.220 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 20.00 0.13 0.0
LAB*LABa 20.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.143 0.226 0.108
lab*ch 0.170 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.143 0.25 0.0
lab*trc 0.170 0.25 0.0
lab*ncc 0.0 0.25 0.071

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 15.00 0.13 0.0
LAB*LABa 15.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.093 0.226 0.108
lab*ch 0.120 0.25 0.071
lab*nch 0.0 0.25 0.071
relative Natural Colour (NC)
lab*trj 0.093 0.25 0.0
lab*trc 0.120 0.25 0.0
lab*ncc 0.0 0.25 0.071

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

%Umfang

$u^*_{rel} = 92$

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

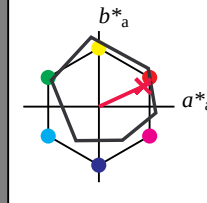
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

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)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

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
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*trc 1.0 0.0 0.0
lab*ncc 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)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.847 0.227 0.104
lab*ch 0.875 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.847 0.25 0.0
lab*trc 0.875 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*TCHa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.597 0.227 0.104
lab*ch 0.625 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.597 0.25 0.0
lab*trc 0.625 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 48.11 0.08 0.0
LAB*LABa 48.11 0.08 0.0
LAB*TCHa 48.11 0.08 0.0

relative CIELAB lab*
lab*lab 0.444 0.51 0.0
lab*ch 0.444 0.51 0.0
lab*nch 0.0 0.51 0.0
relative Natural Colour (NC)
lab*trj 0.444 0.51 0.0
lab*trc 0.444 0.51 0.0
lab*ncc 0.0 0.51 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 37.36 0.13 0.0
LAB*LABa 37.36 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.347 0.227 0.104
lab*ch 0.375 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.347 0.25 0.0
lab*trc 0.375 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 33.07 0.13 0.0
LAB*LABa 33.07 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.292 0.227 0.104
lab*ch 0.319 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.292 0.25 0.0
lab*trc 0.319 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 30.07 0.13 0.0
LAB*LABa 30.07 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.242 0.227 0.104
lab*ch 0.269 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.242 0.25 0.0
lab*trc 0.269 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 25.00 0.13 0.0
LAB*LABa 25.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.193 0.227 0.104
lab*ch 0.220 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.193 0.25 0.0
lab*trc 0.220 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 20.00 0.13 0.0
LAB*LABa 20.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.143 0.227 0.104
lab*ch 0.170 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.143 0.25 0.0
lab*trc 0.170 0.25 0.0
lab*ncc 0.0 0.25 0.069

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 15.00 0.13 0.0
LAB*LABa 15.00 0.13 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.093 0.227 0.104
lab*ch 0.120 0.25 0.069
lab*nch 0.0 0.25 0.069
relative Natural Colour (NC)
lab*trj 0.093 0.25 0.0
lab*trc 0.120 0.25 0.0
lab*ncc 0.0 0.25 0.069

ORS18; adaptierte CIELAB-Daten

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

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

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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 93$

%Regularität

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

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

%Umfang

$u^*_{rel} = 93$

</

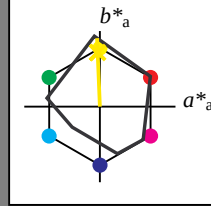
Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 92$

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 0.01 0.0

LAB*LABa 95.41 0.01 0.0

LAB*LABb 95.41 0.01 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.988 0.75 (1.0)

cmyn3* 0.0 0.012 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (1.0)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 93.73 -0.91 22.65

LAB*LABa 93.73 -0.91 22.65

LAB*LABb 93.73 -0.91 22.65

relative Inform. Technology (IT)

olvi3* 1.0 0.978 0.5 (1.0)

cmyn3* 0.0 0.022 0.5 (0.0)

olvi4* 1.0 0.978 0.5 (1.0)

cmyn4* 0.0 0.022 0.5 (0.0)

standard and adapted CIELAB

LAB*LAB 92.06 -1.83 45.31

LAB*LABa 92.06 -1.83 45.31

LAB*LABb 92.06 -1.83 45.31

relative Inform. Technology (IT)

olvi3* 1.0 0.964 0.25 (1.0)

cmyn3* 0.0 0.036 0.25 (0.0)

olvi4* 1.0 0.964 0.25 (1.0)

cmyn4* 0.0 0.036 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 90.38 -2.75 67.96

LAB*LABa 90.38 -2.75 67.96

LAB*LABb 90.38 -2.75 67.96

relative Inform. Technology (IT)

olvi3* 1.0 0.952 0.0 (1.0)

cmyn3* 0.0 0.048 0.0 (0.0)

olvi4* 1.0 0.952 0.0 (1.0)

cmyn4* 0.0 0.048 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 88.71 -3.69 90.61

LAB*LABa 88.71 -3.69 90.61

LAB*LABb 88.71 -3.69 90.61

relative Inform. Technology (IT)

olvi3* 1.0 0.940 0.0 (1.0)

cmyn3* 0.0 0.060 0.0 (0.0)

olvi4* 1.0 0.940 0.0 (1.0)

cmyn4* 0.0 0.060 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 87.00 -4.60 93.33

LAB*LABa 87.00 -4.60 93.33

LAB*LABb 87.00 -4.60 93.33

relative Inform. Technology (IT)

olvi3* 1.0 0.928 0.0 (1.0)

cmyn3* 0.0 0.072 0.0 (0.0)

olvi4* 1.0 0.928 0.0 (1.0)

cmyn4* 0.0 0.072 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 85.29 -5.51 96.00

LAB*LABa 85.29 -5.51 96.00

LAB*LABb 85.29 -5.51 96.00

relative Inform. Technology (IT)

olvi3* 1.0 0.916 0.0 (1.0)

cmyn3* 0.0 0.084 0.0 (0.0)

olvi4* 1.0 0.916 0.0 (1.0)

cmyn4* 0.0 0.084 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 83.58 -6.42 98.67

LAB*LABa 83.58 -6.42 98.67

LAB*LABb 83.58 -6.42 98.67

relative Inform. Technology (IT)

olvi3* 1.0 0.904 0.0 (1.0)

cmyn3* 0.0 0.096 0.0 (0.0)

olvi4* 1.0 0.904 0.0 (1.0)

cmyn4* 0.0 0.096 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 81.87 -7.33 101.33

LAB*LABa 81.87 -7.33 101.33

LAB*LABb 81.87 -7.33 101.33

relative Inform. Technology (IT)

olvi3* 1.0 0.892 0.0 (1.0)

cmyn3* 0.0 0.108 0.0 (0.0)

olvi4* 1.0 0.892 0.0 (1.0)

cmyn4* 0.0 0.108 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 80.16 -8.24 104.00

LAB*LABa 80.16 -8.24 104.00

LAB*LABb 80.16 -8.24 104.00

relative Inform. Technology (IT)

olvi3* 1.0 0.880 0.0 (1.0)

cmyn3* 0.0 0.120 0.0 (0.0)

olvi4* 1.0 0.880 0.0 (1.0)

cmyn4* 0.0 0.120 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 78.45 -9.15 106.67

LAB*LABa 78.45 -9.15 106.67

LAB*LABb 78.45 -9.15 106.67

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 0.03 0.0

LAB*LABa 76.06 0.03 0.0

LAB*LABb 76.06 0.03 0.0

relative Inform. Technology (IT)

olvi3* 0.75 0.738 0.5 (1.0)

cmyn3* 0.25 0.262 0.5 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 74.38 -0.88 22.66

LAB*LABa 74.38 -0.88 22.66

LAB*LABb 74.38 -0.88 22.66

relative Inform. Technology (IT)

olvi3* 0.75 0.726 0.25 (1.0)

cmyn3* 0.25 0.274 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 72.71 -1.84 45.31

LAB*LABa 72.71 -1.84 45.31

LAB*LABb 72.71 -1.84 45.31

relative Inform. Technology (IT)

olvi3* 0.75 0.714 0.0 (1.0)

cmyn3* 0.25 0.286 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 71.04 -2.76 67.96

LAB*LABa 71.04 -2.76 67.96

LAB*LABb 71.04 -2.76 67.96

relative Inform. Technology (IT)

olvi3* 0.75 0.702 0.0 (1.0)

cmyn3* 0.25 0.298 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 69.37 -3.69 90.61

LAB*LABa 69.37 -3.69 90.61

LAB*LABb 69.37 -3.69 90.61

relative Inform. Technology (IT)

olvi3* 0.75 0.690 0.0 (1.0)

cmyn3* 0.25 0.310 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 67.70 -4.60 93.33

LAB*LABa 67.70 -4.60 93.33

LAB*LABb 67.70 -4.60 93.33

relative Inform. Technology (IT)

olvi3* 0.75 0.678 0.0 (1.0)

cmyn3* 0.25 0.322 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 66.03 -5.51 96.00

LAB*LABa 66.03 -5.51 96.00

LAB*LABb 66.03 -5.51 96.00

relative Inform. Technology (IT)

olvi3* 0.75 0.666 0.0 (1.0)

cmyn3* 0.25 0.334 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 64.36 -6.42 98.67

LAB*LABa 64.36 -6.42 98.67

LAB*LABb 64.36 -6.42 98.67

relative Inform. Technology (IT)

olvi3* 0.75 0.654 0.0 (1.0)

cmyn3* 0.25 0.346 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 62.69 -7.33 101.33

LAB*LABa 62.69 -7.33 101.33

LAB*LABb 62.69 -7.33 101.33

relative Inform. Technology (IT)

olvi3* 0.75 0.642 0.0 (1.0)

cmyn3* 0.25 0.358 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 61.02 -8.24 104.00

LAB*LABa 61.02 -8.24 104.00

LAB*LABb 61.02 -8.24 104.00

relative Inform. Technology (IT)

olvi3* 0.75 0.630 0.0 (1.0)

cmyn3* 0.25 0.370 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 59.35 -9.15 106.67

LAB*LABa 59.35 -9.15 106.67

LAB*LABb 59.35 -9.15 106.67

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 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.71 0.05 0.0

LAB*LABa 56.71 0.05 0.0

LAB*LABb 56.71 0.05 0.0

relative Inform. Technology (IT)

olvi3* 0.5 0.488 0.25 (1.0)

cmyn3* 0.5 0.512 0.25 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 55.03 -0.88 22.66

LAB*LABa 55.03 -0.88 22.66

LAB*LABb 55.03 -0.88 22.66

relative Inform. Technology (IT)

olvi3* 0.5 0.476 0.0 (1.0)

cmyn3* 0.5 0.524 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 53.36 -1.78 45.32

LAB*LABa 53.36 -1.78 45.32

LAB*LABb 53.36 -1.78 45.32

relative Inform. Technology (IT)

olvi3* 0.5 0.464 0.0 (1.0)

cmyn3* 0.5 0.536 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 51.69 -2.69 67.96

LAB*LABa 51.69 -2.69 67.96

LAB*LABb 51.69 -2.69 67.96

relative Inform. Technology (IT)

olvi3* 0.5 0.452 0.0 (1.0)

cmyn3* 0.5 0.548 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 50.02 -3.60 90.61

LAB*LABa 50.02 -3.60 90.61

LAB*LABb 50.02 -3.60 90.61

relative Inform. Technology (IT)

olvi3* 0.5 0.440 0.0 (1.0)

cmyn3* 0.5 0.560 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 48.35 -4.51 93.33

LAB*LABa 48.35 -4.51 93.33

LAB*LABb 48.35 -4.51 93.33

relative Inform. Technology (IT)

olvi3* 0.5 0.428 0.0 (1.0)

cmyn3* 0.5 0.572 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 46.68 -5.42 96.00

LAB*LABa 46.68 -5.42 96.00

LAB*LABb 46.68 -5.42 96.00

relative Inform. Technology (IT)

olvi3* 0.5 0.416 0.0 (1.0)

cmyn3* 0.5 0.584 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 45.01 -6.33 98.67

LAB*LABa 45.01 -6.33 98.67

LAB*LABb 45.01 -6.33 98.67

relative Inform. Technology (IT)

olvi3* 0.5 0.404 0.0 (1.0)

cmyn3* 0.5 0.596 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 43.34 -7.24 101.33

LAB*LABa 43.34 -7.24 101.33

LAB*LABb 43.34 -7.24 101.33

relative Inform. Technology (IT)

olvi3* 0.5 0.392 0.0 (1.0)

cmyn3* 0.5 0.608 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 41.67 -8.15 104.00

LAB*LABa 41.67 -8.15 104.00

LAB*LABb 41.67 -8.15 104.00

relative Inform. Technology (IT)

olvi3* 0.5 0.380 0.0 (1.0)

cmyn3* 0.5 0.620 0.0 (0.0)

olvi4* 1.0 0.988 0.75 (0.75)

cmyn4* 0.0 0.012 0.25 (0.0)

standard and adapted CIELAB

LAB*LAB 40.00 -9.06 106.67

LAB*LABa 40.00 -9.06 106.67

LAB*LABb 40.00 -9.06 106.67

UG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme ORS18 & ORS18input: cmy0* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen; Startup (S) data dependend

relative Buntheit c^* relative Buntheit c^* relative Buntheit c^* relative Buntheit c^*

Eingabe: Farbmetrisches Reflexions-System MRS18a

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

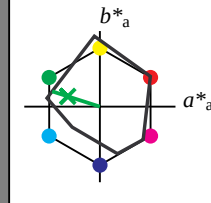
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
olvi4* 0.223 0.0 0.25 (0.0)
olvi5* 0.777 1.0 0.75 (1.0)
olvi6* 0.223 0.0 0.25 (0.0)
olvi7* 0.777 1.0 0.75 (1.0)
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05
LAB*LABc 85.63 -15.74 5.05

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
olvi4* 0.223 0.0 0.25 (0.0)
olvi5* 0.777 1.0 0.75 (1.0)
olvi6* 0.223 0.0 0.25 (0.0)
olvi7* 0.777 1.0 0.75 (1.0)
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05
LAB*LABc 85.63 -15.74 5.05

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
olvi4* 0.223 0.0 0.25 (0.0)
olvi5* 0.777 1.0 0.75 (1.0)
olvi6* 0.223 0.0 0.25 (0.0)
olvi7* 0.777 1.0 0.75 (1.0)
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05
LAB*LABc 85.63 -15.74 5.05

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
olvi4* 0.223 0.0 0.25 (0.0)
olvi5* 0.777 1.0 0.75 (1.0)
olvi6* 0.223 0.0 0.25 (0.0)
olvi7* 0.777 1.0 0.75 (1.0)
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05
LAB*LABc 85.63 -15.74 5.05

Ausgabe: Farbmetrisches Reflexions-System ORS18

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

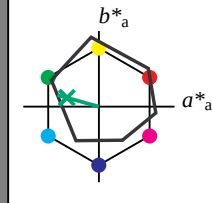
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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

relative Inform. Technology (IT)
olvi3* 0.775 1.0 0.812 (1.0)
olvi4* 0.225 0.0 0.188 (0.0)
olvi5* 0.775 1.0 0.812 (1.0)
olvi6* 0.225 0.0 0.188 (0.0)
olvi7* 0.775 1.0 0.812 (1.0)
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -14.46 7.85
LAB*LABb 84.75 -14.46 7.85
LAB*LABc 84.75 -14.46 7.85

relative Inform. Technology (IT)
olvi3* 0.775 1.0 0.812 (1.0)
olvi4* 0.225 0.0 0.188 (0.0)
olvi5* 0.775 1.0 0.812 (1.0)
olvi6* 0.225 0.0 0.188 (0.0)
olvi7* 0.775 1.0 0.812 (1.0)
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -14.46 7.85
LAB*LABb 84.75 -14.46 7.85
LAB*LABc 84.75 -14.46 7.85

relative Inform. Technology (IT)
olvi3* 0.775 1.0 0.812 (1.0)
olvi4* 0.225 0.0 0.188 (0.0)
olvi5* 0.775 1.0 0.812 (1.0)
olvi6* 0.225 0.0 0.188 (0.0)
olvi7* 0.775 1.0 0.812 (1.0)
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -14.46 7.85
LAB*LABb 84.75 -14.46 7.85
LAB*LABc 84.75 -14.46 7.85

relative Inform. Technology (IT)
olvi3* 0.775 1.0 0.812 (1.0)
olvi4* 0.225 0.0 0.188 (0.0)
olvi5* 0.775 1.0 0.812 (1.0)
olvi6* 0.225 0.0 0.188 (0.0)
olvi7* 0.775 1.0 0.812 (1.0)
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -14.46 7.85
LAB*LABb 84.75 -14.46 7.85
LAB*LABc 84.75 -14.46 7.85

UG560-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage UG56; Farbmetrik-Systeme ORS18 & ORS18input: `cmv0* setcmvcolor`

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen

Output: Startup (S) data dependend

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 272/360 = 0.755$

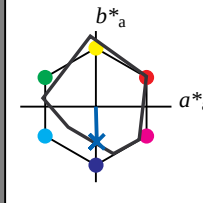
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 92$

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)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0
LAB*LABc 95.41 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 0.0 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*trc 1.0 0.0 0.0
lab*trb 0.0 0.0 0.0
lab*trg 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)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 76.06 0.03 0.0
LAB*LABc 76.06 0.03 0.0

relative CIELAB lab*
lab*lab 0.82 0.007 -0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.755
lab*trb 0.0 0.25 0.755
lab*trg 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 56.71 0.05 0.0
LAB*LABc 56.71 0.05 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 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*trb 0.0 0.5 0.5 (0.0)
lab*trg 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 37.36 0.01 0.0
LAB*LABc 37.36 0.01 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 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*trb 0.0 0.25 0.25 (0.0)
lab*trg 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*LABb 18.02 0.00 0.0
LAB*LABc 18.02 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 9.01 0.00 0.0
LAB*LABa 9.01 0.00 0.0
LAB*LABb 9.01 0.00 0.0
LAB*LABc 9.01 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 4.50 0.00 0.0
LAB*LABa 4.50 0.00 0.0
LAB*LABb 4.50 0.00 0.0
LAB*LABc 4.50 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 2.25 0.00 0.0
LAB*LABa 2.25 0.00 0.0
LAB*LABb 2.25 0.00 0.0
LAB*LABc 2.25 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 1.12 0.00 0.0
LAB*LABa 1.12 0.00 0.0
LAB*LABb 1.12 0.00 0.0
LAB*LABc 1.12 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 0.56 0.00 0.0
LAB*LABa 0.56 0.00 0.0
LAB*LABb 0.56 0.00 0.0
LAB*LABc 0.56 0.00 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 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*trc 0.0 0.0 0.0 (0.0)
lab*trb 0.0 0.0 0.0 (0.0)
lab*trg 0.0 0.0 0.0 (0.0)

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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)
standard and adapted CIELAB
LAB*LAB 67.55 0.74 -24.71
LAB*LABa 67.55 0.74 -24.71
LAB*LABb 67.55 0.74 -24.71
LAB*LABc 67.55 0.74 -24.71

relative CIELAB lab*
lab*lab 0.64 0.014 -0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*trj 0.64 0.0 -0.499
lab*trc 0.75 0.5 0.755
lab*trb 0.0 0.5 0.755
lab*trg 0.0 0.5 0.755

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 48.21 0.71 -24.71
LAB*LABa 48.21 0.71 -24.71
LAB*LABb 48.21 0.71 -24.71
LAB*LABc 48.21 0.71 -24.71

relative CIELAB lab*
lab*lab 0.46 0.021 -0.749
lab*tch 0.625 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*trj 0.46 0.0 -0.749
lab*trc 0.625 0.25 0.755
lab*trb 0.0 0.25 0.755
lab*trg 0.0 0.25 0.755

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 24.71 0.01 0.0
LAB*LABa 24.71 0.01 0.0
LAB*LABb 24.71 0.01 0.0
LAB*LABc 24.71 0.01 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 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.25 (0.0)
lab*trc 0.25 0.25 0.25 (0.0)
lab*trb 0.0 0.25 0.25 (0.0)
lab*trg 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 12.37 0.01 0.0
LAB*LABa 12.37 0.01 0.0
LAB*LABb 12.37 0.01 0.0
LAB*LABc 12.37 0.01 0.0

relative CIELAB lab*
lab*lab 0.12 0.01 0.014 -0.499
lab*tch 0.12 0.01 0.014 -0.499
lab*nch 0.0 0.01 0.014 -0.499
relative Natural Colour (NC)
lab*trj 0.12 0.01 0.014 -0.499
lab*trc 0.12 0.01 0.014 -0.499
lab*trb 0.0 0.01 0.014 -0.499
lab*trg 0.0 0.01 0.014 -0.499

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 6.18 0.00 0.0
LAB*LABa 6.18 0.00 0.0
LAB*LABb 6.18 0.00 0.0
LAB*LABc 6.18 0.00 0.0

relative CIELAB lab*
lab*lab 0.06 0.005 0.007 -0.249
lab*tch 0.06 0.005 0.007 -0.249
lab*nch 0.0 0.005 0.007 -0.249
relative Natural Colour (NC)
lab*trj 0.06 0.005 0.007 -0.249
lab*trc 0.06 0.005 0.007 -0.249
lab*trb 0.0 0.005 0.007 -0.249
lab*trg 0.0 0.005 0.007 -0.249

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 3.09 0.00 0.0
LAB*LABa 3.09 0.00 0.0
LAB*LABb 3.09 0.00 0.0
LAB*LABc 3.09 0.00 0.0

relative CIELAB lab*
lab*lab 0.03 0.002 0.004 -0.125
lab*tch 0.03 0.002 0.004 -0.125
lab*nch 0.0 0.002 0.004 -0.125
relative Natural Colour (NC)
lab*trj 0.03 0.002 0.004 -0.125
lab*trc 0.03 0.002 0.004 -0.125
lab*trb 0.0 0.002 0.004 -0.125
lab*trg 0.0 0.002 0.004 -0.125

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 1.54 0.00 0.0
LAB*LABa 1.54 0.00 0.0
LAB*LABb 1.54 0.00 0.0
LAB*LABc 1.54 0.00 0.0

relative CIELAB lab*
lab*lab 0.01 0.001 0.002 -0.062
lab*tch 0.01 0.001 0.002 -0.062
lab*nch 0.0 0.001 0.002 -0.062
relative Natural Colour (NC)
lab*trj 0.01 0.001 0.002 -0.062
lab*trc 0.01 0.001 0.002 -0.062
lab*trb 0.0 0.001 0.002 -0.062
lab*trg 0.0 0.001 0.002 -0.062

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 0.77 0.00 0.0
LAB*LABa 0.77 0.00 0.0
LAB*LABb 0.77 0.00 0.0
LAB*LABc 0.77 0.00 0.0

relative CIELAB lab*
lab*lab 0.005 0.0005 0.001 -0.031
lab*tch 0.005 0.0005 0.001 -0.031
lab*nch 0.0 0.0005 0.001 -0.031
relative Natural Colour (NC)
lab*trj 0.005 0.0005 0.001 -0.031
lab*trc 0.005 0.0005 0.001 -0.031
lab*trb 0.0 0.0005 0.001 -0.031
lab*trg 0.0 0.0005 0.001 -0.031

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 0.38 0.00 0.0
LAB*LABa 0.38 0.00 0.0
LAB*LABb 0.38 0.00 0.0
LAB*LABc 0.38 0.00 0.0

relative CIELAB lab*
lab*lab 0.002 0.0002 0.0005 -0.016
lab*tch 0.002 0.0002 0.0005 -0.016
lab*nch 0.0 0.0002 0.0005 -0.016
relative Natural Colour (NC)
lab*trj 0.002 0.0002 0.0005 -0.016
lab*trc 0.002 0.0002 0.0005 -0.016
lab*trb 0.0 0.0002 0.0005 -0.016
lab*trg 0.0 0.0002 0.0005 -0.016

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 271/360 = 0.754$

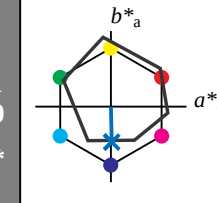
lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 93$

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)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*LABb 95.41 0.01 0.0
LAB*LABc 95.41 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 0.0 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*trc 1.0 0.0 0.0
lab*trb 0.0 0.0 0.0
lab*trg 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)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 76.06 0.03 0.0
LAB*LABc 76.06 0.03 0.0

relative CIELAB lab*
lab*lab 0.82 0.006 -0.249
lab*tch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*trj 0.82 0.0 -0.249
lab*trc 0.875 0.25 0.754
lab*trb 0.0 0.25 0.754
lab*trg 0.0 0.25 0.754

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 56.71 0.05 0.0
LAB*LABc 56.71 0.05 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 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.5 (0.0)
lab*trc 0.5 0.5 0.5 (0.0)
lab*trb 0.0 0.5 0.5 (0.0)
lab*trg 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
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)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa