

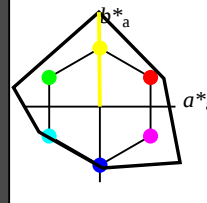
Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 91/360 = 0.252$

lab^*tch und lab^*nch

D65: Buntton J
LCH*Ma: 91 125 91
rgb*Ma: 1.0 1.0 0.0

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
LAB*LABc 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*trj 1.0 0.0 0.0
lab*tce 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)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.988 -0.002 0.25
lab*tch 0.875 0.25 0.252
lab*nch 0.0 0.25 0.252
relative Natural Colour (NC)
lab*trj 0.988 0.01 0.25
lab*tce 0.875 0.25 0.243
lab*nce 0.0 0.25 0.243

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)
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lab*nce 0.0 0.25 0.243

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cmyn4* 0.0 0.0 0.0 (0.0)
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LAB*LABc 74.31 0.02 0.0

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lab*nce 0.0 0.25 0.243

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relative Natural Colour (NC)
lab*trj 0.988 0.01 0.25
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lab*nce 0.0 0.25 0.243

NCS11; adaptierte CIELAB-Daten

	L*	a*	b*	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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

	L*	a*	b*	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
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N _{Ma}	10.99	0.0	0.0	0.0	0
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RCIE	39.92	58.69	27.98	65.01	25
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B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

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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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

	L*	a*	b*	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
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G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

Buntton 91/360 = 0.252 (links)

Farbmetrik-Systeme

inaten-Daten von 5stufigen Farb

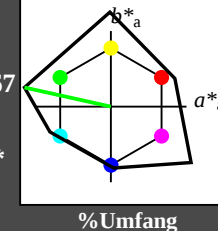
Eingabe: Farbmetrisches Reflexions-System NCS11

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^*



%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)
LAB*Lab	95.41	0.0	-0.01	
LAB*Lab	95.41	0.0	0.0	
LAB*Lab	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	87.32	-28.53	6.33	
LAB*Lab	87.32	-28.53	6.33	
LAB*Lab	87.32	-28.53	6.33	

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	79.24	-57.12	12.67	
LAB*Lab	79.24	-57.12	12.67	
LAB*Lab	79.24	-57.12	12.67	

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	66.22	-85.66	19.01	
LAB*Lab	66.22	-85.66	19.01	
LAB*Lab	66.22	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	1.0	0.0	(1.0)
cmyn3*	1.0	0.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	0.5	0.0	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	0.25	0.0	(1.0)
cmyn3*	0.75	0.0	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	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	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	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	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	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	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	
LAB*Lab	50.00	-85.66	19.01	

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	53.21	-85.66	19.01	
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LAB*Lab	53.21	-85.66	19.01	
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olvi3*	0.25	0.0	0.0	(1.0)
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cmyn4*	0.0	0.0	0.0	(0.0)
LAB*Lab	53.21	-85.66	19.01	
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cmyn3*	0.75	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	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	
LAB*Lab	53.21	-85.66	19.01	

TG59-7, 5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (links)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^*setrgbcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^*setrgbcolor / w^*setgray$

5 stufige Reihen für konstanten CIELAB Buntton 167/360 = 0.465 (rechts)

relative Buntheit c^*

relative Buntheit c^*

$n^* = 0.25$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.50$

Schwarzheit n^*

Schwarzheit n^*

0.00

0.00

1.00

1.00

$n^* = 1.0$

$n^* = 1.0$

Eingabe: Farbmetrisches Reflexions-System NCS11

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

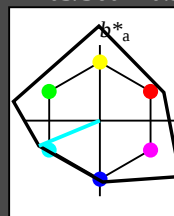
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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	0.0	-0.01	
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*trj	1.0	0.0	0.0	
lab*trc	1.0	0.0	0.0	
lab*ncc	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	74.31	0.02	0.0	
LAB*LABa	74.31	0.02	0.0	
LAB*LABb	74.31	0.02	0.0	
LAB*LABc	74.31	0.02	0.0	
LAB*LABd	74.31	0.02	0.0	
LAB*LABe	74.31	0.02	0.0	
LAB*LABf	74.31	0.02	0.0	
LAB*LABg	74.31	0.02	0.0	
LAB*LABh	74.31	0.02	0.0	
LAB*LABi	74.31	0.02	0.0	
LAB*LABj	74.31	0.02	0.0	
LAB*LABk	74.31	0.02	0.0	
LAB*LABl	74.31	0.02	0.0	
LAB*LABm	74.31	0.02	0.0	
LAB*LABn	74.31	0.02	0.0	
LAB*LABo	74.31	0.02	0.0	
LAB*LABp	74.31	0.02	0.0	
LAB*LABq	74.31	0.02	0.0	
LAB*LABr	74.31	0.02	0.0	
LAB*LABs	74.31	0.02	0.0	
LAB*LABt	74.31	0.02	0.0	
LAB*LABu	74.31	0.02	0.0	
LAB*LABv	74.31	0.02	0.0	
LAB*LABw	74.31	0.02	0.0	
LAB*LABx	74.31	0.02	0.0	
LAB*LABy	74.31	0.02	0.0	
LAB*LABz	74.31	0.02	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	

standard and adapted CIELAB

LAB*LAB	53.21	0.04	0.0	
LAB*LABa	53.21	0.04	0.0	
LAB*LABb	53.21	0.04	0.0	
LAB*LABc	53.21	0.04	0.0	
LAB*LABd	53.21	0.04	0.0	
LAB*LABe	53.21	0.04	0.0	
LAB*LABf	53.21	0.04	0.0	
LAB*LABg	53.21	0.04	0.0	
LAB*LABh	53.21	0.04	0.0	
LAB*LABi	53.21	0.04	0.0	
LAB*LABj	53.21	0.04	0.0	
LAB*LABk	53.21	0.04	0.0	
LAB*LABl	53.21	0.04	0.0	
LAB*LABm	53.21	0.04	0.0	
LAB*LABn	53.21	0.04	0.0	
LAB*LABo	53.21	0.04	0.0	
LAB*LABp	53.21	0.04	0.0	
LAB*LABq	53.21	0.04	0.0	
LAB*LABr	53.21	0.04	0.0	
LAB*LABs	53.21	0.04	0.0	
LAB*LABt	53.21	0.04	0.0	
LAB*LABu	53.21	0.04	0.0	
LAB*LABv	53.21	0.04	0.0	
LAB*LABw	53.21	0.04	0.0	
LAB*LABx	53.21	0.04	0.0	
LAB*LABy	53.21	0.04	0.0	
LAB*LABz	53.21	0.04	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	

standard and adapted CIELAB

LAB*LAB	32.11	0.01	0.0	
LAB*LABa	32.11	0.01	0.0	
LAB*LABb	32.11	0.01	0.0	
LAB*LABc	32.11	0.01	0.0	
LAB*LABd	32.11	0.01	0.0	
LAB*LABe	32.11	0.01	0.0	
LAB*LABf	32.11	0.01	0.0	
LAB*LABg	32.11	0.01	0.0	
LAB*LABh	32.11	0.01	0.0	
LAB*LABi	32.11	0.01	0.0	
LAB*LABj	32.11	0.01	0.0	
LAB*LABk	32.11	0.01	0.0	
LAB*LABl	32.11	0.01	0.0	
LAB*LABm	32.11	0.01	0.0	
LAB*LABn	32.11	0.01	0.0	
LAB*LABo	32.11	0.01	0.0	
LAB*LABp	32.11	0.01	0.0	
LAB*LABq	32.11	0.01	0.0	
LAB*LABr	32.11	0.01	0.0	
LAB*LABs	32.11	0.01	0.0	
LAB*LABt	32.11	0.01	0.0	
LAB*LABu	32.11	0.01	0.0	
LAB*LABv	32.11	0.01	0.0	
LAB*LABw	32.11	0.01	0.0	
LAB*LABx	32.11	0.01	0.0	
LAB*LABy	32.11	0.01	0.0	
LAB*LABz	32.11	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	

standard and adapted CIELAB

LAB*LAB	11.01	0.01	0.0	
LAB*LABa	11.01	0.01	0.0	
LAB*LABb	11.01	0.01	0.0	
LAB*LABc	11.01	0.01	0.0	
LAB*LABd	11.01	0.01	0.0	
LAB*LABe	11.01	0.01	0.0	
LAB*LABf	11.01	0.01	0.0	
LAB*LABg	11.01	0.01	0.0	
LAB*LABh	11.01	0.01	0.0	
LAB*LABi	11.01	0.01	0.0	
LAB*LABj	11.01	0.01	0.0	
LAB*LABk	11.01	0.01	0.0	
LAB*LABl	11.01	0.01	0.0	
LAB*LABm	11.01	0.01	0.0	
LAB*LABn	11.01	0.01	0.0	
LAB*LABo	11.01	0.01	0.0	
LAB*LABp	11.01	0.01	0.0	
LAB*LABq	11.01	0.01	0.0	
LAB*LABr	11.01	0.01	0.0	
LAB*LABs	11.01	0.01	0.0	
LAB*LABt	11.01	0.01	0.0	
LAB*LABu	11.01	0.01	0.0	
LAB*LABv	11.01	0.01	0.0	
LAB*LABw	11.01	0.01	0.0	
LAB*LABx	11.01	0.01	0.0	
LAB*LABy	11.01	0.01	0.0	
LAB*LABz	11.01	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*trj	0.0	0.0	0.0	
lab*trc	0.0	0.0	0.0	
lab*ncc	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	0.01	0.01	0.0	
LAB*LABa	0.01	0.01	0.0	
LAB*LABb	0.01	0.01	0.0	
LAB*LABc	0.01	0.01	0.0	
LAB*LABd	0.01	0.01	0.0	
LAB*LABe	0.01	0.01	0.0	
LAB*LABf	0.01	0.01	0.0	
LAB*LABg	0.01	0.01	0.0	
LAB*LABh	0.01	0.01	0.0	
LAB*LABi	0.01	0.01	0.0	
LAB*LABj	0.01	0.01	0.0	
LAB*LABk	0.01	0.01	0.0	
LAB*LABl	0.01	0.01	0.0	
LAB*LABm	0.01	0.01	0.0	
LAB*LABn	0.01	0.01	0.0	
LAB*LABo	0.01	0.01	0.0	
LAB*LABp	0.01	0.01	0.0	
LAB*LABq	0.01	0.01	0.0	
LAB*LABr	0.01	0.01	0.0	
LAB*LABs	0.01	0.01	0.0	
LAB*LABt	0.01	0.01	0.0	
LAB*LABu	0.01	0.01	0.0	
LAB*LABv	0.01	0.01	0.0	
LAB*LABw	0.01	0.01	0.0	
LAB*LABx	0.01	0.01	0.0	
LAB*LABy	0.01	0.01	0.0	
LAB*LABz	0.01	0.01	0.0	

$n^* = 1.0$

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)
LAB*LAB	86.42	-20.12	-8.35	
LAB*LABa	86.42	-20.12	-8.35	
LAB*LABb	86.42	-20.12	-8.35	
LAB*LABc	86.42	-20.12	-8.35	
LAB*LABd	86.42	-20.12	-8.35	
LAB*LABe	86.42	-20.12	-8.35	
LAB*LABf	86.42	-20.12	-8.35	
LAB*LABg	86.42	-20.12	-8.35	
LAB*LABh	86.42	-20.12	-8.35	
LAB*LABi	86.42	-20.12	-8.35	
LAB*LABj	86.42	-20.12	-8.35	
LAB*LABk	86.42	-20.12	-8.35	
LAB*LABl	86.42	-20.12	-8.35	
LAB*LABm	86.42	-20.12	-8.35	
LAB*LABn	86.42	-20.12	-8.35	
LAB*LABo	86.42	-20.12	-8.35	
LAB*LABp	86.42	-20.12	-8.35	
LAB*LABq	86.42	-20.12	-8.35	
LAB*LABr	86.42	-20.12	-8.35	
LAB*LABs	86.42	-20.12	-8.35	
LAB*LABt	86.42	-20.12	-8.35	
LAB*LABu	86.42	-20.12	-8.35	
LAB*LABv	86.42	-20.12	-8.35	
LAB*LABw	86.42	-20.12	-8.35	
LAB*LABx	86.42	-20.12	-8.35	
LAB*LABy	86.42	-20.12	-8.35	
LAB*LABz	86.42	-20.12	-8.35	

relative CIELAB lab*

lab*lab	0.893	-0.23	-0.095	
lab*ch	0.893	-0.23	-0.095	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.893	-0.23	-0.095	
lab*trc	0.893	-0.23	-0.095	
lab*ncc	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	77.43	-40.26	-16.71	
LAB*LABa	77.43	-40.26	-16.71	
LAB*LABb	77.43	-40.26	-16.71	
LAB*LABc	77.43	-40.26	-16.71	
LAB*LABd	77.43	-40.26	-16.71	
LAB*LABe	77.43	-40.26	-16.71	
LAB*LABf	77.43	-40.26	-16.71	
LAB*LABg	77.43	-40.26	-16.71	
LAB*LABh	77.43	-40.26	-16.71	
LAB*LABi	77.43	-40.26	-16.71	
LAB*LABj	77.43	-40.26	-16.71	
LAB*LABk	77.43	-40.26	-16.71	
LAB*LABl	77.43	-40.26	-16.71	
LAB*LABm	77.43	-40.26	-16.71	
LAB*LABn	77.43	-40.26	-16.71	
LAB*LABo	77.43	-40.26	-16.71	
LAB*LABp	77.43	-40.26	-16.71	
LAB*LABq	77.43	-40.26	-16.71	
LAB*LABr	77.43	-40.26	-16.71	
LAB*LABs	77.43	-40.26	-16.71	
LAB*LABt	77.43	-40.26	-16.71	
LAB*LABu	77.43	-40.26	-16.71	
LAB*LABv	77.43	-40.26	-16.71	
LAB*LABw	77.43	-40.26	-16.71	
LAB*LABx	77.43	-40.26	-16.71	
LAB*LABy	77.43	-40.26	-16.71	
LAB*LABz	77.43	-40.26	-16.71	

relative CIELAB lab*

lab*lab	0.644	-0.23	-0.095	
lab*ch	0.644	-0.23	-0.095	
lab*nch	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*trj	0.644	-0.23	-0.095	
lab*trc	0.644	-0.23	-0.095	
lab*ncc	0.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.5	0.5	(1.0)
cmyn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmyn4*	0.25	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	44.22	-20.09	-8.34	
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Eingabe: Farbmetrisches Reflexions-System NCS11

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

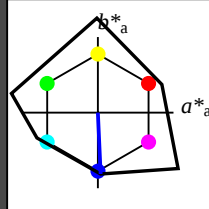
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



%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)
LAB*LAB 95.41 0.0 -0.01
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 1.0
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 1.0

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 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCh 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.863 0.011 -0.249
lab*ch 0.875 0.25 0.757
lab*nch 0.0 0.25 0.757
relative Natural Colour (NC)
lab*trj 0.863 0.003 -0.249
lab*trc 0.875 0.25 0.757
lab*ncc 0.0 0.25 0.757

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 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCh 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 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*ncc 0.0 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 32.11 0.08 0.0
LAB*Lab 32.11 0.08 0.0
LAB*TCh 32.0 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 (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*ncc 0.0 0.25 0.25 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCh 0.01 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCh 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 (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*ncc 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCh 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 (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*ncc 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCh 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 (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*ncc 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCh 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 (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*ncc 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (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 0.01 0.01 0.0
LAB*Lab 0.01 0.01 0.0
LAB*TCh 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 (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*ncc 0.0 0.0 0.0 (0.0)

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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Buntton 273/360 = 0.757 (links)

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Eingabe: Farbmetrisches Reflexions-System NCS11

für Buntton $h^* = lab^*h = 325/360 = 0.903$

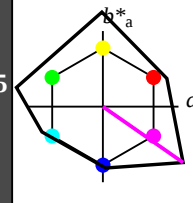
lab^*ch und lab^*nch

D65: Buntton B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 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
LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 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 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

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 0.02 0.0
LAB*LABb 74.31 0.02 0.0
LAB*LABc 74.31 0.02 0.0

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
relative Natural Colour (NC)
lab*lab 0.848 0.168 -0.184
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903
lab*lab 0.875 0.25 0.903

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

	$L^* = L^*_a$	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
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	$L^* = L^*_a$	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
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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

	$L^* = L^*_a$	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

relative Buntheit c^*

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Eingabe: Farbmetrisches Reflexions-System NCS11

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

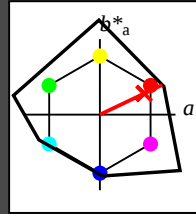
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1.00

0.75

$n^* = 0.00$

0.25

0.50

0.75

1.00

relative Buntheit c^*

Ausgabe: Farbmetrisches Reflexions-System NCS11

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

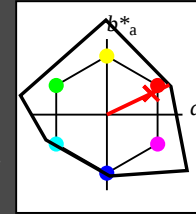
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 48 91 25

rgb*Ma: 1.0 0.02 0.0

Dreiecks-Helligkeit t^*



NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1.00

0.75

$n^* = 0.00$

0.25

0.50

0.75

1.00

relative Buntheit c^*

TG59-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage TG59; Farbmetrik-Systeme NCS11a & NCS11aput: $olv^* setrgbcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: $olv^* setrgbcolor / w^* setgray$

Eingabe: Farbmetrisches Reflexions-System NCS11

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

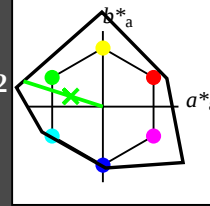
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

Dreiecks-Helligkeit t^*



%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*Lab 95.41 0.0 0.0
LAB*TCa 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*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 74.31 0.02 0.0
LAB*Lab 74.31 0.02 0.0
LAB*TCa 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*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)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*Lab 53.21 0.04 0.0
LAB*TCa 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*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 (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 32.11 0.01 0.0
LAB*Lab 32.11 0.01 0.0
LAB*TCa 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*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* 0.25 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 32.11 0.01 0.0
LAB*Lab 32.11 0.01 0.0
LAB*TCa 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*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* 0.25 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 32.11 0.01 0.0
LAB*Lab 32.11 0.01 0.0
LAB*TCa 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*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* 0.25 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 32.11 0.01 0.0
LAB*Lab 32.11 0.01 0.0
LAB*TCa 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*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 (1.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCa 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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 (1.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*Lab 11.01 0.07 0.01
LAB*TCa 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 1.0$

NCS11; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
olvi3* 0.51 0.51 0.51 (1.0)
cmyn3* 0.49 0.49 0.49 (0.0)
olvi4* 0.51 0.51 0.51 (1.0)
cmyn4* 0.49 0.49 0.49 (0.0)
standard and adapted CIELAB
LAB*LAB 80.4 -26.2 8.39
LAB*Lab 80.4 -26.2 8.39
LAB*TCa 87.5 27.54 162.25

relative CIELAB lab*
lab*lab 0.51 0.0 0.0
lab*ch 0.51 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.51 0.0 0.0
lab*trc 0.51 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.291 0.291 0.291 (1.0)
cmyn3* 0.709 0.709 0.709 (0.0)
olvi4* 0.541 0.541 0.541 (1.0)
cmyn4* 0.459 0.459 0.459 (0.0)
standard and adapted CIELAB
LAB*LAB 66.81 -26.19 8.4
LAB*Lab 66.81 -26.19 8.4
LAB*TCa 62.5 27.55 162.25

relative CIELAB lab*
lab*lab 0.291 0.0 0.0
lab*ch 0.291 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.291 0.0 0.0
lab*trc 0.291 0.0 0.0
lab*ncc 0.0 0.0 0.0

$n^* = 0.50$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.00$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.00$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.00$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.00$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.00$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.00$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.00$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.00$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.00$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.00$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.00$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.00$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.00$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.00$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.00$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

$n^* = 22.00$

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