

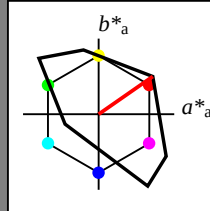
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 35/360 = 0.097$ lab^*ch und lab^*nch

D65: Buntton O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

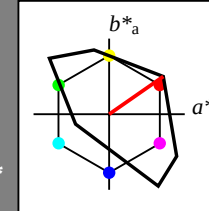
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G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0

lab*tce 1.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 74.08 35.81 24.94

LAB*LABa 74.08 35.81 24.94

LAB*TCHa 75.0 43.63 34.85

relative CIELAB lab*

lab*lab 0.724 0.41 0.286

lab*tch 0.75 0.5 0.097

lab*nch 0.0 0.5 0.097

relative Natural Colour (NC)

lab*lrj 0.724 0.488 0.109

lab*tce 0.75 0.5 0.035

lab*nce 0.0 0.5 r14j

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 35.39 35.81 24.94

LAB*LABa 35.39 35.81 24.94

LAB*TCHa 25.01 43.63 34.85

relative CIELAB lab*

lab*lab 0.225 0.41 0.286

lab*tch 0.25 0.5 0.097

lab*nch 0.5 0.5 0.097

relative Natural Colour (NC)

lab*lrj 0.225 0.488 0.109

lab*tce 0.25 0.5 0.035

lab*nce 0.5 0.5 r14j

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB 52.76 71.62 49.87

LAB*LABa 52.76 71.62 49.87

LAB*TCHa 50.0 87.27 34.85

relative CIELAB lab*

lab*lab 0.449 0.82 0.571

lab*tch 0.5 1.0 0.097

lab*nch 0.0 1.0 0.097

relative Natural Colour (NC)

lab*lrj 0.449 0.976 0.218

lab*tce 0.5 1.0 0.035

lab*nce 0.0 1.0 r14j

relative Buntheit c^*

0,25 0,50 0,75 1,00

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

0,25 0,50 0,75 1,00

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (links)

3 stufige Reihen für konstanten CIELAB Buntton 35/360 = 0.097 (rechts)

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

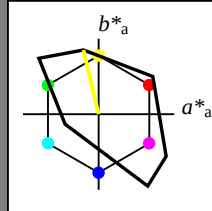
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 103/360 = 0.287$ lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
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LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

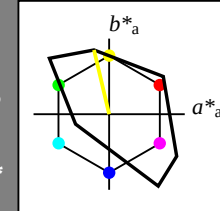
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 103/360 = 0.287$ lab^*ch und lab^*nch

D65: Buntton Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

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TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
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GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

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

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.07	-10.0	42.48
LAB*LABa	94.07	-10.0	42.48
LAB*TCHa	75.0	43.64	103.26

relative CIELAB lab*

lab*lab	0.983	-0.114	0.487
lab*tch	0.75	0.5	0.287
lab*nch	0.0	0.5	0.287

relative Natural Colour (NC)

lab*lrj	0.983	-0.121	0.485
lab*tce	0.75	0.5	0.289
lab*nce	0.0	0.5	j15g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	55.38	-10.0	42.48
LAB*LABa	55.38	-10.0	42.48
LAB*TCHa	25.01	43.64	103.26

relative CIELAB lab*

lab*lab	0.483	-0.114	0.487
lab*tch	0.25	0.5	0.287
lab*nch	0.5	0.5	0.287

relative Natural Colour (NC)

lab*lrj	0.483	-0.121	0.485
lab*tce	0.25	0.5	0.289
lab*nce	0.5	0.5	j15g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	92.73	-20.02	84.95
LAB*LABa	92.73	-20.02	84.95
LAB*TCHa	50.0	87.28	103.26

relative CIELAB lab*

lab*lab	0.965	-0.228	0.973
lab*tch	0.5	1.0	0.287
lab*nch	0.0	1.0	0.287

relative Natural Colour (NC)

lab*lrj	0.965	-0.243	0.97
lab*tce	0.5	1.0	0.289
lab*nce	0.0	1.0	j15g

relative Buntheit c^*

0,25 0,50 0,75 1,00

$n^* = 0,00$

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Schwarzheit n^*

relative Buntheit c^*

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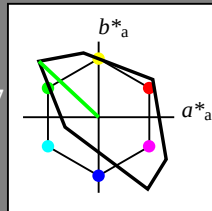
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für Buntton $h^* = lab^*h = 137/360 = 0.38$ lab^*ch und lab^*nch

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LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^* 

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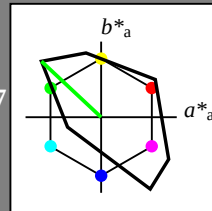
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B _{CIE}	30.57	1.41	-46.46	46.49	272

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

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	89.7	-39.48	36.96
LAB*LABa	89.7	-39.48	36.96
LAB*TCHa	75.0	54.09	136.89

relative CIELAB lab*

lab*lab	0.926	-0.364	0.342
lab*tch	0.75	0.5	0.38
lab*nch	0.0	0.5	0.38

relative Natural Colour (NC)

lab*lrj	0.926	-0.42	0.269
lab*tce	0.75	0.5	0.409
lab*nce	0.0	0.5	0.63g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	51.01	-39.48	36.96
LAB*LABa	51.01	-39.48	36.96
LAB*TCHa	25.01	54.09	136.89

relative CIELAB lab*

lab*lab	0.426	-0.364	0.342
lab*tch	0.25	0.5	0.38
lab*nch	0.5	0.5	0.38

relative Natural Colour (NC)

lab*lrj	0.426	-0.42	0.269
lab*tce	0.25	0.5	0.409
lab*nce	0.5	0.5	0.63g

relative Inform. Technology (IT)

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

standard and adapted CIELAB

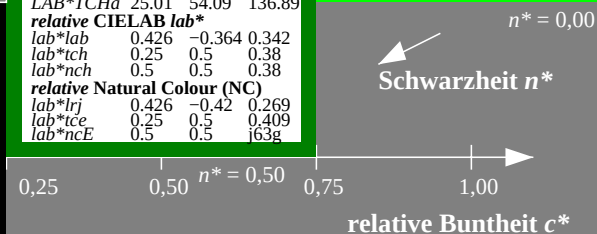
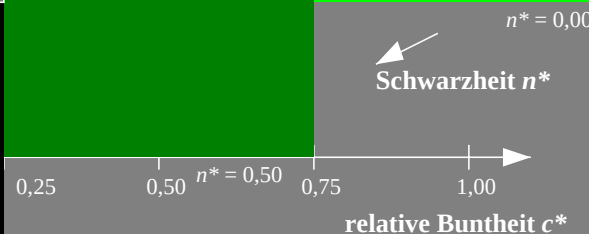
LAB*LAB	83.99	-78.96	73.93
LAB*LABa	83.99	-78.96	73.93
LAB*TCHa	50.0	108.18	136.89

relative CIELAB lab*

lab*lab	0.853	-0.729	0.683
lab*tch	0.5	1.0	0.38
lab*nch	0.0	1.0	0.38

relative Natural Colour (NC)

lab*lrj	0.853	-0.841	0.539
lab*tce	0.5	1.0	0.409
lab*nce	0.0	1.0	0.63g



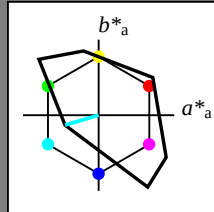
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

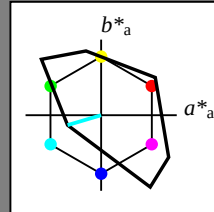
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$ lab^*ch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

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	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	91.27	-22.2	-6.55
LAB*LABa	91.27	-22.2	-6.55
LAB*TCa	75.0	23.15	196.46

relative CIELAB lab*

lab*lab	0.946	-0.478	-0.141
lab*tch	0.75	0.5	0.546
lab*nch	0.0	0.5	0.546

relative Natural Colour (NC)

lab*lrj	0.946	-0.44	-0.235
lab*tce	0.75	0.5	0.578
lab*nce	0.0	0.5	g31b

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	52.58	-22.2	-6.55
LAB*LABa	52.58	-22.2	-6.55
LAB*TCa	25.01	23.15	196.46

relative CIELAB lab*

lab*lab	0.447	-0.478	-0.141
lab*tch	0.25	0.5	0.546
lab*nch	0.5	0.5	0.546

relative Natural Colour (NC)

lab*lrj	0.447	-0.44	-0.235
lab*tce	0.25	0.5	0.578
lab*nce	0.5	0.5	g31b

relative Inform. Technology (IT)

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

standard and adapted CIELAB

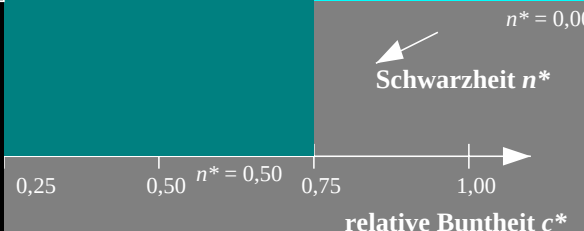
LAB*LAB	87.13	-44.4	-13.11
LAB*LABa	87.13	-44.4	-13.11
LAB*TCa	50.0	46.31	196.46

relative CIELAB lab*

lab*lab	0.893	-0.958	-0.282
lab*tch	0.5	1.0	0.546
lab*nch	0.0	1.0	0.546

relative Natural Colour (NC)

lab*lrj	0.893	-0.881	-0.47
lab*tce	0.5	1.0	0.578
lab*nce	0.0	1.0	g31b

Schwarzheit n^* relative Bunttheit c^* $n^* = 1,0$

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

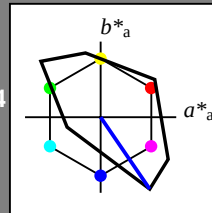
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 304/360 = 0.845$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

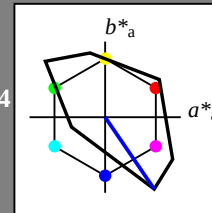
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 304/360 = 0.845$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 35 115 304

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

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	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	65.44	32.45	-47.52
LAB*LABa	65.44	32.45	-47.52
LAB*TCa	75.0	57.55	304.33

relative CIELAB lab*

lab*lab	0.613	0.282	-0.412
lab*tch	0.75	0.5	0.845
lab*nch	0.0	0.5	0.845

relative Natural Colour (NC)

lab*lrj	0.613	0.217	-0.449
lab*tce	0.75	0.5	0.822
lab*nce	0.0	0.5	0.822

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	26.75	32.45	-47.52
LAB*LABa	26.75	32.45	-47.52
LAB*TCa	25.01	57.55	304.33

relative CIELAB lab*

lab*lab	0.113	0.282	-0.412
lab*tch	0.25	0.5	0.845
lab*nch	0.5	0.5	0.845

relative Natural Colour (NC)

lab*lrj	0.113	0.217	-0.449
lab*tce	0.25	0.5	0.822
lab*nce	0.5	0.5	0.822

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	35.47	64.91	-95.04
LAB*LABa	35.47	64.91	-95.04
LAB*TCa	50.0	115.1	304.33

relative CIELAB lab*

lab*lab	0.226	0.564	-0.825
lab*tch	0.5	1.0	0.845
lab*nch	0.0	1.0	0.845

relative Natural Colour (NC)

lab*lrj	0.226	0.435	-0.899
lab*tce	0.5	1.0	0.822
lab*nce	0.0	1.0	0.822

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG09/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG09/10L/L09G04SP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen
/NG09/ Form: 5/10, Serie: 1/1, Seite: 5
Satzanzahlung 5

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (links)

3 stufige Reihen für konstanten CIELAB Buntton 304/360 = 0.845 (rechts)

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

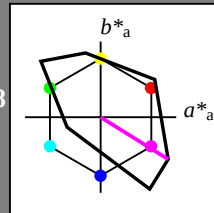
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

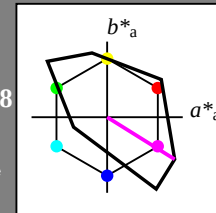
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$ lab^*ch und lab^*nch

D65: Buntton M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCa	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	77.21	44.66	-27.82
LAB*LABa	77.21	44.66	-27.82
LAB*TCa	75.0	52.62	328.06

relative CIELAB lab*

lab*lab	0.765	0.424	-0.263
lab*tch	0.75	0.5	0.911
lab*nch	0.0	0.5	0.911

relative Natural Colour (NC)

lab*lrj	0.765	0.351	-0.355
lab*tce	0.75	0.5	0.874
lab*nce	0.0	0.5	0.49r

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	38.51	44.66	-27.82
LAB*LABa	38.51	44.66	-27.82
LAB*TCa	25.01	52.62	328.06

relative CIELAB lab*

lab*lab	0.265	0.424	-0.263
lab*tch	0.25	0.5	0.911
lab*nch	0.5	0.5	0.911

relative Natural Colour (NC)

lab*lrj	0.265	0.351	-0.355
lab*tce	0.25	0.5	0.874
lab*nce	0.5	0.5	0.49r

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	59.01	89.31	-55.66
LAB*LABa	59.01	89.31	-55.66
LAB*TCa	50.0	105.24	328.06

relative CIELAB lab*

lab*lab	0.53	0.848	-0.528
lab*tch	0.5	1.0	0.911
lab*nch	0.0	1.0	0.911

relative Natural Colour (NC)

lab*lrj	0.53	0.702	-0.711
lab*tce	0.5	1.0	0.874
lab*nce	0.0	1.0	0.49r

relative Buntheit c^*

0,25 0,50 0,75 1,00

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

relative Buntheit c^*

0,25 0,50 0,75 1,00

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

Schwarzheit n^*

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links)

3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

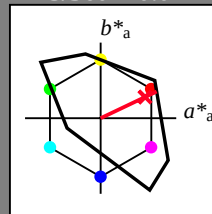
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

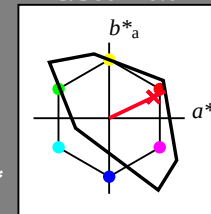
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0

lab*tce 1.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 0.5

cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 0.0

cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.569	(1.0)
cmyn3*	0.0	0.5	0.431	(0.0)
olvi4*	1.0	0.5	0.569	1.0
cmyn4*	0.0	0.5	0.431	0.0

standard and adapted CIELAB

LAB*LAB 74.51 37.03 17.64

LAB*LABa 74.51 37.03 17.64

LAB*TCHa 75.0 41.02 25.48

relative CIELAB lab*

lab*lab 0.73 0.451 0.215

lab*tch 0.75 0.5 0.071

lab*nch 0.0 0.5 0.071

relative Natural Colour (NC)

lab*lrj 0.73 0.5 0.0

lab*tce 0.75 0.5 1.0

lab*nce 0.0 0.5 0.99r

relative Inform. Technology (IT)

olvi3* 0.5 0.0 0.069 (1.0)

cmyn3* 0.5 1.0 0.931 (0.0)

olvi4* 1.0 0.5 0.569 0.5

cmyn4* 0.0 0.5 0.431 0.5

standard and adapted CIELAB

LAB*LAB 35.82 37.03 17.65

LAB*LABa 35.82 37.03 17.65

LAB*TCHa 25.01 41.02 25.49

relative CIELAB lab*

lab*lab 0.23 0.451 0.215

lab*tch 0.25 0.5 0.071

lab*nch 0.5 0.5 0.071

relative Natural Colour (NC)

lab*lrj 0.23 0.5 0.0

lab*tce 0.25 0.5 0.0

lab*nce 0.5 0.5 0.00j

relative Inform. Technology (IT)

olvi3* 1.0 0.0 0.138 (1.0)

cmyn3* 0.0 1.0 0.862 (0.0)

olvi4* 1.0 0.0 0.138 1.0

cmyn4* 0.0 1.0 0.862 0.0

standard and adapted CIELAB

LAB*LAB 53.62 74.06 35.3

LAB*LABa 53.62 74.06 35.3

LAB*TCHa 50.0 82.04 25.48

relative CIELAB lab*

lab*lab 0.46 0.903 0.43

lab*tch 0.5 1.0 0.071

lab*nch 0.0 1.0 0.071

relative Natural Colour (NC)

lab*lrj 0.46 1.0 0.0

lab*tce 0.5 1.0 0.0

lab*nce 0.0 1.0 0.00j

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG09/>

Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG09/10L/L09G06SP.PS/.PDF BAM-Material: Code=rha4ta

Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG09/ Form: 7/10, Serie: 1/1, Seite: 7

Seitenhang 7

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

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

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

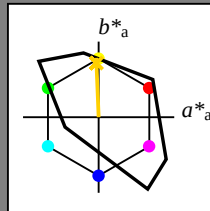
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

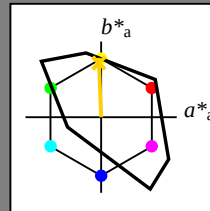
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0

lab*tce 1.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 0.5

cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 0.0

cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3* 1.0 0.908 0.5 (1.0)

cmyn3* 0.0 0.092 0.5 (0.0)

olvi4* 1.0 0.908 0.5 1.0

cmyn4* 0.0 0.092 0.5 0.0

standard and adapted CIELAB

LAB*LAB 90.39 -1.58 39.25

LAB*LABa 90.39 -1.58 39.25

LAB*TCHa 75.0 39.29 92.32

relative CIELAB lab*

lab*lab 0.935 -0.019 0.499

lab*tch 0.75 0.5 0.256

lab*nch 0.0 0.5 0.256

relative Natural Colour (NC)

lab*lrj 0.935 0.0 0.5

lab*tce 0.75 0.5 0.25

lab*nce 0.0 0.5 j00g

relative Inform. Technology (IT)

olvi3* 0.5 0.408 0.0 (1.0)

cmyn3* 0.5 0.592 1.0 (0.0)

olvi4* 1.0 0.908 0.5 0.5

cmyn4* 0.0 0.092 0.5 0.5

standard and adapted CIELAB

LAB*LAB 51.7 -1.57 39.25

LAB*LABa 51.7 -1.57 39.25

LAB*TCHa 25.01 39.28 92.31

relative CIELAB lab*

lab*lab 0.435 -0.019 0.499

lab*tch 0.25 0.5 0.256

lab*nch 0.5 0.5 0.256

relative Natural Colour (NC)

lab*lrj 0.435 0.0 0.5

lab*tce 0.25 0.5 0.25

lab*nce 0.5 0.5 j99j

relative Inform. Technology (IT)

olvi3* 1.0 0.816 0.0 (1.0)

cmyn3* 0.0 0.184 1.0 (0.0)

olvi4* 1.0 0.816 0.0 1.0

cmyn4* 0.0 0.184 1.0 0.0

standard and adapted CIELAB

LAB*LAB 85.38 -3.17 78.5

LAB*LABa 85.38 -3.17 78.5

LAB*TCHa 50.0 78.57 92.32

relative CIELAB lab*

lab*lab 0.87 -0.039 0.999

lab*tch 0.5 1.0 0.256

lab*nch 0.0 1.0 0.256

relative Natural Colour (NC)

lab*lrj 0.87 0.0 1.0

lab*tce 0.5 1.0 0.25

lab*nce 0.0 1.0 j00g

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

relative Buntheit c^*

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,0$

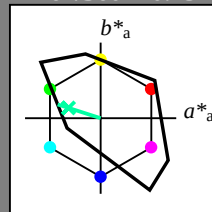
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

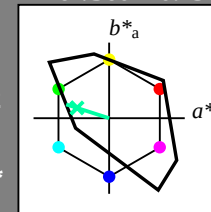
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

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 0.0

LAB*LABa 95.41 0.0 0.0

LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 -

lab*nch 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0

lab*tce 1.0 0.0 -

lab*nce 0.0 0.0 -

relative Inform. Technology (IT)

olvi3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olvi4* 1.0 1.0 1.0 0.5

cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB

LAB*LAB 56.72 0.0 0.0

LAB*LABa 56.72 0.0 0.0

LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*tch 0.5 0.0 -

lab*nch 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0

lab*tce 0.5 0.0 -

lab*nce 0.5 0.0 -

relative Inform. Technology (IT)

olvi3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olvi4* 1.0 1.0 1.0 0.0

cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB

LAB*LAB 18.03 0.0 0.0

LAB*LABa 18.03 0.0 0.0

LAB*TCHa 0.01 0.01 -

relative CIELAB lab*

lab*lab 0.0 0.0 0.0

lab*tch 0.0 0.0 -

lab*nch 1.0 0.0 -

relative Natural Colour (NC)

lab*lrj 0.0 0.0 0.0

lab*tce 0.0 0.0 -

lab*nce 1.0 0.0 -

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.82	(1.0)
cmyn3*	0.5	0.0	0.18	(0.0)
olvi4*	0.5	1.0	0.82	1.0
cmyn4*	0.5	0.0	0.18	0.0

standard and adapted CIELAB

LAB*LAB 90.7 -28.42 9.11

LAB*LABa 90.7 -28.42 9.11

LAB*TCHa 75.0 29.85 162.23

relative CIELAB lab*

lab*lab 0.939 -0.475 0.153

lab*tch 0.75 0.5 0.451

lab*nch 0.0 0.5 0.451

relative Natural Colour (NC)

lab*lrj 0.939 -0.499 0.0

lab*tce 0.75 0.5 0.5

lab*nce 0.0 0.5 g00b

relative Inform. Technology (IT)

olvi3* 0.0 0.5 0.32 (1.0)

cmyn3* 1.0 0.5 0.68 (0.0)

olvi4* 0.5 1.0 0.82 0.5

cmyn4* 0.5 0.0 0.18 0.5

standard and adapted CIELAB

LAB*LAB 52.01 -28.42 9.12

LAB*LABa 52.01 -28.42 9.12

LAB*TCHa 25.01 29.86 162.22

relative CIELAB lab*

lab*lab 0.439 -0.475 0.153

lab*tch 0.25 0.5 0.451

lab*nch 0.5 0.5 0.451

relative Natural Colour (NC)

lab*lrj 0.439 -0.499 0.0

lab*tce 0.25 0.5 0.5

lab*nce 0.5 0.5 g99g

relative Inform. Technology (IT)

olvi3* 0.0 1.0 0.64 (1.0)

cmyn3* 1.0 0.0 0.36 (0.0)

olvi4* 0.0 1.0 0.64 1.0

cmyn4* 1.0 0.0 0.36 0.0

standard and adapted CIELAB

LAB*LAB 86.0 -56.85 18.23

LAB*LABa 86.0 -56.85 18.23

LAB*TCHa 50.0 59.71 162.23

relative CIELAB lab*

lab*lab 0.878 -0.951 0.305

lab*tch 0.5 1.0 0.451

lab*nch 0.0 1.0 0.451

relative Natural Colour (NC)

lab*lrj 0.878 -0.999 0.0

lab*tce 0.5 1.0 0.5

lab*nce 0.0 1.0 g00b

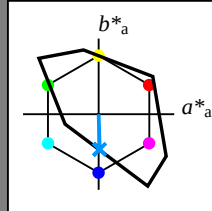
Eingabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

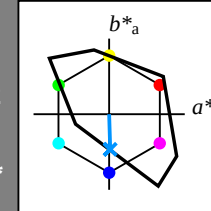
Ausgabe: Farbmétrisches Fernseh-Licht-System TLS18

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

D65: Buntton B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^* 

%Umfang

 $u^*_{rel} = 118$

%Regularität

 $g^*_{H,rel} = 22$ $g^*_{C,rel} = 40$

TLS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

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

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	-
lab*nch	0.0	0.0	-

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	-
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.72	0.0	0.0
LAB*LABa	56.72	0.0	0.0
LAB*TCHa	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	0.5	0.0	-
lab*nch	0.5	0.0	-

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	-
lab*nce	0.5	0.0	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.03	0.0	0.0
LAB*LABa	18.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*tch	0.0	0.0	-
lab*nch	1.0	0.0	-

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	-
lab*nce	1.0	0.0	-

relative Inform. Technology (IT)

olvi3*	0.5	0.79	1.0	(1.0)
cmyn3*	0.5	0.21	0.0	(0.0)
olvi4*	0.5	0.79	1.0	1.0
cmyn4*	0.5	0.21	0.0	0.0

standard and adapted CIELAB

LAB*LAB	80.44	0.71	-23.73
LAB*LABa	80.44	0.71	-23.73
LAB*TCHa	75.0	23.75	271.72

relative CIELAB lab*

lab*lab	0.807	0.015	-0.499
lab*tch	0.75	0.5	0.755
lab*nch	0.0	0.5	0.755

relative Natural Colour (NC)

lab*lrj	0.807	0.0	-0.499
lab*tce	0.75	0.5	0.75
lab*nce	0.0	0.5	g99b

relative Inform. Technology (IT)

olvi3*	0.0	0.29	0.5	(1.0)
cmyn3*	1.0	0.71	0.5	(0.0)
olvi4*	0.5	0.79	1.0	0.5
cmyn4*	0.5	0.21	0.0	0.5

standard and adapted CIELAB

LAB*LAB	41.74	0.72	-23.74
LAB*LABa	41.74	0.72	-23.74
LAB*TCHa	25.01	23.76	271.75

relative CIELAB lab*

lab*lab	0.307	0.015	-0.499
lab*tch	0.25	0.5	0.755
lab*nch	0.5	0.5	0.755

relative Natural Colour (NC)

lab*lrj	0.307	0.0	-0.499
lab*tce	0.25	0.5	0.75
lab*nce	0.5	0.5	b00r

relative Inform. Technology (IT)

olvi3*	0.0	0.581	1.0	(1.0)
cmyn3*	1.0	0.419	0.0	(0.0)
olvi4*	0.0	0.581	1.0	1.0
cmyn4*	1.0	0.419	0.0	0.0

standard and adapted CIELAB

LAB*LAB	65.47	1.44	-47.47
LAB*LABa	65.47	1.44	-47.47
LAB*TCHa	50.0	47.5	271.74

relative CIELAB lab*

lab*lab	0.613	0.03	-0.998
lab*tch	0.5	1.0	0.755
lab*nch	0.0	1.0	0.755

relative Natural Colour (NC)

lab*lrj	0.613	0.0	-0.999
lab*tce	0.5	1.0	0.75
lab*nce	0.0	1.0	g99b

relative Buntheit c^*

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

Schwarzheit n^* $n^* = 1,0$

relative Buntheit c^*

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

Schwarzheit n^* $n^* = 1,0$

NG090-7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage NG09; Farbmétrik-Systeme ORS18 & ORS18input: olv* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend