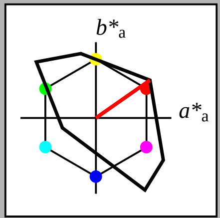
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 35/360 = 0.097$
lab*tch und lab*nch

D65: Buntton O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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* 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 0.5 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* 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

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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
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LAB*LAB 35.39 35.81 24.94
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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

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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 –

$n^* = 0{,}00$
Schwarzheit n^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 35/360 = 0.097$
lab*tch und lab*nch

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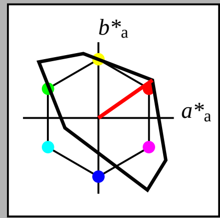
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit t^*



TLS18; adaptierte CIELAB-Daten				
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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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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* 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 0.5 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* 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
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LAB*LAB 52.76 71.62 49.87
LAB*LABa 52.76 71.62 49.87
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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 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
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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* 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
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standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
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lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 –
lab*nch 1.0 0.0 –
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 –
lab*ncE 1.0 0.0 –

$n^* = 0{,}00$
Schwarzheit n^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
$n^* = 1{,}0$

NG190−7, 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 NG19; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20060101-NG19/10Q/Q19G00FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG19/ Form: 1/10, Serie: 1/1, Seite: 1
Seitenz hlung 1

www.ps.bam.de/NG19/10Q/Q19G01FP.PS/.PDF; Linearisierte-Ausgabe
F: Ausgabe-Linearisierung (OL-Daten) NG19/10Q/Q19G01FP.DAT in der Datei (F)

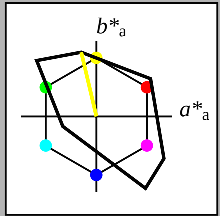
Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 103/360 = 0.287$
lab*tch* 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	$C^*_{ab,a}$	$h^*_{ab,a}$
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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** 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 0.5 (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** 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 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

$n^* = 0,00$

Schwarzheit n^*

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 –

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

relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

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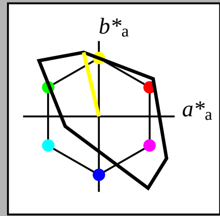
olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang
$u^*_{rel} = 118$
%Regularität
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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** 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 0.5 (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** 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 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

$n^* = 0,00$

Schwarzheit n^*

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 –

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

relative Buntheit c^*

$n^* = 1,0$

BAM-Registrierung: 20060101-NG19/10Q/Q19G01FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG19/ Form: 2/10, Serie: 1/1, Seite: 2

Seitenz hlung 2

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (links)
3 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.287 (rechts)

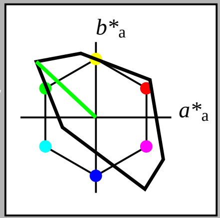
BAM-Prüfvorlage NG19; Farbmetrik-Systeme TLS18 & TLS18 input: *olv* setrgbcolor*
D65: 2 Koordinatendaten; 3stufige Farbreihen für 10 Bunttöne output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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 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 j63g

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 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 j63g

relative Inform. Technology (IT)
*olvi3** 0.0 0.5 0.0 (1.0)
*cmyn3** 1.0 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 j63g

$n^* = 0{,}00$

Schwarzheit n^*

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 –

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

relative Buntheit c^*

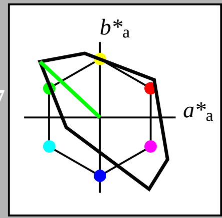
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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 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 j63g

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 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 j63g

relative Inform. Technology (IT)
*olvi3** 0.0 0.5 0.0 (1.0)
*cmyn3** 1.0 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 j63g

$n^* = 0{,}00$

Schwarzheit n^*

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 –

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

relative Buntheit c^*

$n^* = 1{,}0$

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

3 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

BAM-Registrierung: 20060101-NG19/10Q/Q19G02FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen

/NG19/ Form: 3/10, Serie: 1/1, Seite: 3

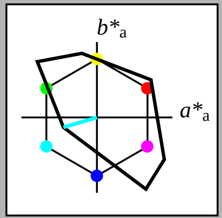
Seitenz hlung 3

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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	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*TCHa*	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**	0.5	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	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*TCHa*	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	

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*TCHa*	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	

$n^* = 0{,}00$

Schwarzheit n^*

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	–	

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

relative Buntheit c^*

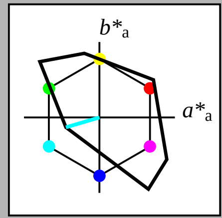
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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	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*TCHa*	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**	0.5	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	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*TCHa*	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	

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*TCHa*	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	

$n^* = 0{,}00$

Schwarzheit n^*

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	–	

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

relative Buntheit c^*

$n^* = 1{,}0$

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)
3 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

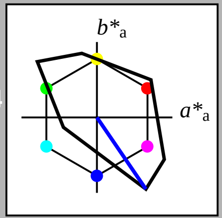
BAM-Registrierung: 20060101-NG19/10Q/Q19G03FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG19/ Form: 4/10, Serie: 1/1, Seite: 4
Seitenz hlung 4

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches 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^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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	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*TCHa*	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	b28r	

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	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*TCHa*	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	b28r	

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*TCHa*	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	b28r	

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	–	

$n^* = 0{,}00$

Schwarzheit n^*

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

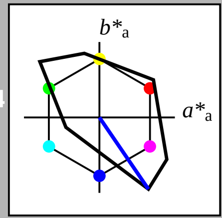
relative Buntheit c^*

$n^* = 1{,}0$

Ausgabe: Farbmetrisches 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^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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	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*TCHa*	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	b28r	

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	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*TCHa*	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	b28r	

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*TCHa*	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	b28r	

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	–	

$n^* = 0{,}00$

Schwarzheit n^*

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

relative Buntheit c^*

$n^* = 1{,}0$

NG190−7, 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-Registrierung: 20060101-NG19/10Q/Q19G04FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

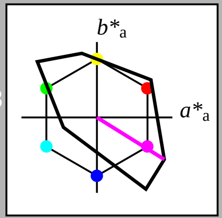
Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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*	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*TCHa	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	b49r	

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*	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*TCHa	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	b49r	

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*TCHa	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	b49r	

$n^* = 0{,}00$

Schwarzheit n^*

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	–	

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

relative Buntheit c^*

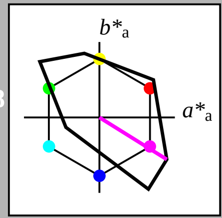
$n^* = 1{,}0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

D65: Buntton M
LCH*Ma: 59 105 328
olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

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*	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*TCHa	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	b49r	

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*	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*TCHa	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	b49r	

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*TCHa	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	b49r	

$n^* = 0{,}00$

Schwarzheit n^*

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	–	

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

relative Buntheit c^*

$n^* = 1{,}0$

BAM-Registrierung: 20060101-NG19/10Q/Q19G05FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

/NG19/ Form: 6/10, Serie: 1/1, Seite: 6

Seitenz hlung 6

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (links) 3 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.911 (rechts)

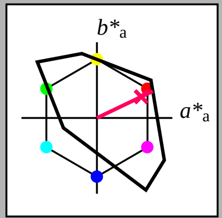
Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches 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**	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	b99r	

***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**	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	r00j	

***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	r00j	

***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	–	

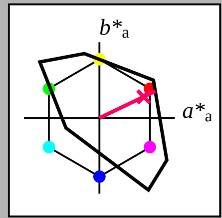
n^* = 0,00
Schwarzheit n^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
n^* = 1,0

Ausgabe: Farbmetrisches 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**	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	b99r	

***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**	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	r00j	

***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	r00j	

***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	–	

n^* = 0,00
Schwarzheit n^*
0,25 0,50 $n^* = 0{,}50$ 0,75 1,00
relative Buntheit c^*
n^* = 1,0

NG190−7, 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-Registrierung: 20060101-NG19/10Q/Q19G06FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker– oder Monitorsystemen

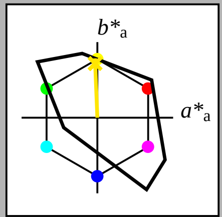
/NG19/ Form: 7/10, Serie: 1/1, Seite: 7

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 92/360 = 0.256**
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit *t*



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

%Umfang
u^*_{rel} = 118
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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** 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 0.5 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** 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 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 r99j

*n** = 0,00

Schwarzheit *n*

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 –

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

relative Buntheit *c*

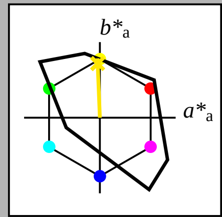
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton *h = *lab*h* = 92/360 = 0.256**
lab*tch* und *lab*nch

D65: Buntton J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit *t*



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

%Umfang
u^*_{rel} = 118
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

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** 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 0.5 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** 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 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 r99j

*n** = 0,00

Schwarzheit *n*

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 –

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

relative Buntheit *c*

*n** = 1,0

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)
3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

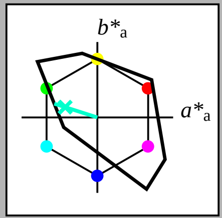
BAM-Registrierung: 20060101-NG19/10Q/Q19G07FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit *t**



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

%Umfang
u^*_{rel} = 118
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

***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 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** 0.5 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 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

***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 j99g

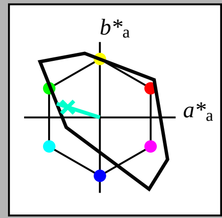
***relative* Inform. Technology (IT)**
*olvi3** 0.0 0.0 0.0 (1.0)
*cmyn3** 1.0 1.0 1.0 (0.0)
*olvi4** 1.0 1.0 1.0 0.0
*cmyn4** 0.0 0.0 0.0 1.0
standard and adapted CIELAB
*LAB*LAB* 18.03 0.0 0.0
*LAB*LABa* 18.03 0.0 0.0
*LAB*TCHa* 0.01 0.01 –
relative* CIELAB *lab*
*lab*lab* 0.0 0.0 0.0
*lab*tch* 0.0 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 –

*n** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton *h = *lab*h* = 162/360 = 0.451**
lab*tch* und *lab*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit *t**



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

%Umfang
u^*_{rel} = 118
%Regularität
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

***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 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** 0.5 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 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

***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 j99g

***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 –

*n** = 0,00
Schwarzheit *n**
0,25 0,50 *n** = 0,50 0,75 1,00
relative Buntheit *c**
*n** = 1,0

BAM-Registrierung: 20060101-NG19/10Q/Q19G08FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
/NG19/ Form: 9/10, Serie: 1/1, Seite: 9
Seitenz hlung 9

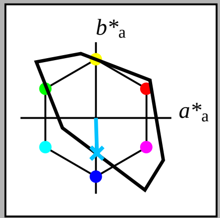
NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)
3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Siehe ähnliche Dateien: http://www.ps.bam.de/NG19/
Technische Information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 272/360 = 0.755$
lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

***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 0.79 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** 0.5 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 0.581 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* 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

$n^* = 0,00$

Schwarzheit n^*

***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 –

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

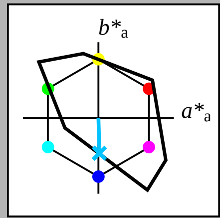
relative Buntheit c^*

$n^* = 1,0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 272/360 = 0.755$
lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^*



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

%Umfang
$u^*_{rel} = 118$
%Regularität
$g^*_{H,rel} = 22$
$g^*_{C,rel} = 40$

***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 0.79 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** 0.5 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 0.581 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* 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

$n^* = 0,00$

Schwarzheit n^*

***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 –

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

relative Buntheit c^*

$n^* = 1,0$

BAM-Registrierung: 20060101-NG19/10Q/Q19G09FP.PS/.PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen

/NG19/ Form: 10/10Serie: 1/1, Seite: 10 Seitenz hlung 10

NG190−7, 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links) 3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)