

1,00
ative Bunttheit c*

Siehe ähnliche Dateien: <http://www.ps.bam.de/RG50/>
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM-Registrierung: 20060101-RG50/10Q/Q50G00NP.ps, PDF BAM-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen
IP/CS01, Extern 1/10, Seite 1/4, Software-Blatt 1

BC50/ Form: 1/10	Serie: 1/1	Saita: 1	Saitenz blund 1
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Saitenz blund 1

RG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.106 (links)

BAM-Prüfvorlage RG50; Farbmatrik-Systeme ORS18 & TŁS00 input: *olv* setrgbcolor*

A: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: *no change compared to input*

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

output: *no change compared to input*

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 88/360 = 0.246$

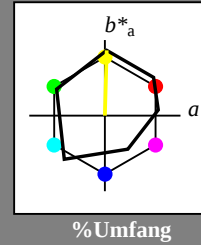
lab^*ich und lab^*nch

A: Buntton Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

1.00

0.75

0.25

0.00

0.25

0.50

0.75

1.00

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 94/360 = 0.261$

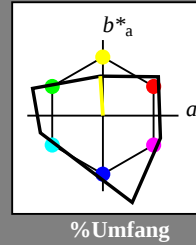
lab^*ich und lab^*nch

A: Buntton Y

LCH*Ma: 95 52 94

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 141$

1.00

0.75

0.25

0.00

0.25

0.50

0.75

1.00

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

1.00

0.75

0.25

0.00

0.25

0.50

0.75

1.00

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

relative Bunttheit c^*

RG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 88/360 = 0.246 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

BAM-Prüfvorlage RG50; Farbmetrik-Systeme ORS18 & TLS00 input: olv* setrgbcolor

A: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.42$

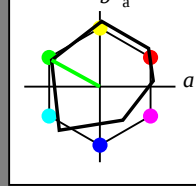
lab^*ch und lab^*nch

A: Buntton L

LCH*Ma: 51 73 151

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 96$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.6	0.43	4.65	
LAB*LAB	56.6	0.0	0.0	
LAB*LAB	56.6	0.0	0.0	
LAB*LAB	56.6	0.0	0.0	

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	76.23	0.0	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.6	0.43	4.65	
LAB*LAB	56.6	0.0	0.0	
LAB*LAB	56.6	0.0	0.0	
LAB*LAB	56.6	0.0	0.0	

relative CIELAB lab*

lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	
lab*lab	0.75	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.49	0.18	0.79	
LAB*LAB	37.49	0.0	0.0	
LAB*LAB	37.49	0.0	0.0	
LAB*LAB	37.49	0.0	0.0	

relative CIELAB lab*

lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	
lab*lab	0.25	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.12	0.18	0.49	
LAB*LAB	18.12	0.0	0.0	
LAB*LAB	18.12	0.0	0.0	
LAB*LAB	18.12	0.0	0.0	

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	
lab*lab	0.0	0.0	0.0	

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	-36.83	2.78	36.95	176
BCIE	25.14	-18.35	-56.22	59.15	252

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	0.5	1.0	0.5	(1.0)
olv3*	0.5	1.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	(1.0)
olv4*	0.5	1.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	73.25	-31.9	17.51	
LAB*LAB	73.25	0.0	0.0	
LAB*LAB	73.25	0.0	0.0	
LAB*LAB	73.25	0.0	0.0	

relative CIELAB lab*

lab*lab	0.712	-0.437	0.24	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	
relative Natural Colour (NC)				
lab*lab	0.712	-0.437	0.24	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	
lab*lab	0.712	0.5	0.42	

relative Inform. Technology (IT)

olv3*	0.25	0.75	0.25	(1.0)
olv3*	0.75	0.25	0.75	(0.0)
olv4*	0.5	1.0	0.5	(1.0)
olv4*	0.5	1.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	(0.0)
olv4*	0.5	1.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.88	-31.07	19.4	
LAB*LAB	53.88	0.0	0.0	
LAB*LAB	53.88	0.0	0.0	
LAB*LAB	53.88	0.0	0.0	

relative CIELAB lab*

lab*lab	0.567	-0.656	0.361	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	
relative Natural Colour (NC)				
lab*lab	0.567	-0.656	0.361	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	
lab*lab	0.567	0.625	0.75	

relative Inform. Technology (IT)

olv3*	0.0	0.75	0.0	(1.0)
olv3*	0.75	0.0	0.75	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	42.71	-46.92	27.41	
LAB*LAB	42.71	0.0	0.0	
LAB*LAB	42.71	0.0	0.0	
LAB*LAB	42.71	0.0	0.0	

relative CIELAB lab*

lab*lab	0.462	-0.455	0.204	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	
relative Natural Colour (NC)				
lab*lab	0.462	-0.455	0.204	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	
lab*lab	0.462	0.5	0.42	

relative Inform. Technology (IT)

olv3*	0.0	0.5	0.0	(1.0)
olv3*	0.5	0.0	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
olv4*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	34.51	-31.9	17.51	
LAB*LAB	34.51	0.0	0.0	
LAB*LAB	34.51	0.0	0.0	
LAB*LAB	34.51	0.0	0.0	

relative CIELAB lab*

lab*lab	0.317	-0.656	0.361	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	
relative Natural Colour (NC)				
lab*lab	0.317	-0.656	0.361	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	
lab*lab	0.317	0.375	0.75	

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 159/360 = 0.441$

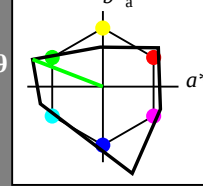
lab^*ch und lab^*nch

A: Buntton L

LCH*Ma: 77 100 159

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 141$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	
LAB*LAB	95.41	0.0	0.0	

relative CIELAB lab*

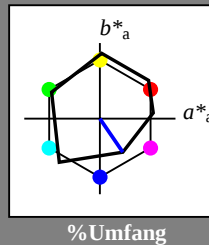
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
relative Natural Colour (NC)				
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)				
olv3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	71.57	0.0	0.0	
LAB*LAB _a	71.57	0.0	0.0	
LAB*TC _h a	75.0	0.01	-	

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 304/360 = 0.845$ lab^*ch und lab^*nch

A: Buntton V
LCH*Ma: 26 54 304
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.49 0.8 0.79
LAB*LABa 37.49 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 75.00 0.01 -

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

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 78.13 8.18 -7.58
LAB*LABa 78.13 7.38 -11.08
LAB*LABb 87.5 13.43 304.36

relative CIELAB lab*
lab*lab 0.75 0.141 -0.205
lab*ch 0.875 0.25 0.845
lab*nch 0.0 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.775 0.137 -0.208
lab*tc 0.875 0.25 0.842
lab*ncc 0.0 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 58.76 8.37 -8.87
LAB*LABa 58.76 7.59 -11.08
LAB*LABb 62.5 13.44 304.36

relative CIELAB lab*
lab*lab 0.5 0.25 0.141 -0.205
lab*ch 0.625 0.25 0.845
lab*nch 0.25 0.25 0.842
relative Natural Colour (NC)
lab*tr 0.525 0.137 -0.208
lab*tc 0.625 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 39.39 8.56 -10.16
LAB*LABa 39.39 7.59 -11.08
LAB*LABb 37.5 13.44 304.36

relative CIELAB lab*
lab*lab 0.25 0.141 -0.205
lab*ch 0.375 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.25 0.137 -0.208
lab*tc 0.375 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.92 8.74 -11.44
LAB*LABa 21.92 7.58 -11.08
LAB*LABb 12.5 13.43 304.36

relative CIELAB lab*
lab*lab 0.025 0.141 -0.205
lab*ch 0.125 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.025 0.137 -0.208
lab*tc 0.125 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 75.00 0.01 -

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.66 15.17 -22.17
LAB*LABa 60.66 15.17 -22.17
LAB*LABb 75.0 26.87 304.36

relative CIELAB lab*
lab*lab 0.549 0.282 -0.412
lab*ch 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.549 0.274 -0.412
lab*tc 0.75 0.5 0.842
lab*ncc 0.0 0.5 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 43.19 23.69 -32.09
LAB*LABa 43.19 22.75 -32.27
LAB*LABb 62.5 40.31 304.36

relative CIELAB lab*
lab*lab 0.324 0.423 -0.618
lab*ch 0.625 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.324 0.411 -0.626
lab*tc 0.625 0.75 0.842
lab*ncc 0.0 0.75 0.842

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.73 31.44 -44.34
LAB*LABa 25.73 30.34 -44.36
LAB*LABb 50.0 53.75 304.36

relative CIELAB lab*
lab*lab 0.098 0.564 -0.824
lab*ch 0.5 1.0 0.845
lab*nch 0.0 1.0 0.845
relative Natural Colour (NC)
lab*tr 0.098 0.548 -0.835
lab*tc 0.5 1.0 0.842
lab*ncc 0.0 1.0 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.82 23.68 -33.38
LAB*LABa 23.82 22.75 -33.27
LAB*LABb 37.51 40.31 304.36

relative CIELAB lab*
lab*lab 0.074 0.423 -0.618
lab*ch 0.375 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.074 0.411 -0.626
lab*tc 0.375 0.75 0.842
lab*ncc 0.25 0.75 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.92 16.31 -22.17
LAB*LABa 21.92 15.17 -22.17
LAB*LABb 25.01 26.87 304.36

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 39.39 8.56 -10.16
LAB*LABa 39.39 7.59 -11.08
LAB*LABb 37.5 13.44 304.36

relative CIELAB lab*
lab*lab 0.25 0.141 -0.205
lab*ch 0.375 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.25 0.137 -0.208
lab*tc 0.375 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.92 16.31 -22.17
LAB*LABa 21.92 15.17 -22.17
LAB*LABb 25.01 26.87 304.36

relative CIELAB lab*
lab*lab 0.049 0.282 -0.412
lab*ch 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.049 0.274 -0.412
lab*tc 0.25 0.5 0.842
lab*ncc 0.5 0.5 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.025 0.141 -0.205
lab*ch 0.125 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.025 0.137 -0.208
lab*tc 0.125 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 75.00 0.01 -

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

$n^* = 0.00$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 60.66 15.17 -22.17
LAB*LABa 60.66 15.17 -22.17
LAB*LABb 75.0 26.87 304.36

relative CIELAB lab*
lab*lab 0.549 0.282 -0.412
lab*ch 0.75 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.549 0.274 -0.412
lab*tc 0.75 0.5 0.842
lab*ncc 0.0 0.5 0.842

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 25.73 31.44 -44.34
LAB*LABa 25.73 30.34 -44.36
LAB*LABb 50.0 53.75 304.36

relative CIELAB lab*
lab*lab 0.098 0.564 -0.824
lab*ch 0.5 1.0 0.845
lab*nch 0.0 1.0 0.845
relative Natural Colour (NC)
lab*tr 0.098 0.548 -0.835
lab*tc 0.5 1.0 0.842
lab*ncc 0.0 1.0 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.82 23.68 -33.38
LAB*LABa 23.82 22.75 -33.27
LAB*LABb 37.51 40.31 304.36

relative CIELAB lab*
lab*lab 0.074 0.423 -0.618
lab*ch 0.375 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.074 0.411 -0.626
lab*tc 0.375 0.75 0.842
lab*ncc 0.25 0.75 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 21.92 16.31 -22.17
LAB*LABa 21.92 15.17 -22.17
LAB*LABb 25.01 26.87 304.36

relative CIELAB lab*
lab*lab 0.049 0.282 -0.412
lab*ch 0.25 0.5 0.845
lab*nch 0.0 0.5 0.845
relative Natural Colour (NC)
lab*tr 0.049 0.274 -0.412
lab*tc 0.25 0.5 0.842
lab*ncc 0.5 0.5 0.842

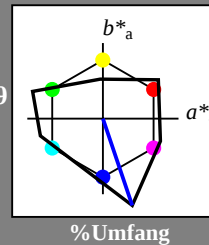
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 75.00 0.01 -

$n^* = 0.00$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 289/360 = 0.802$ lab^*ch und lab^*nch

A: Buntton V
LCH*Ma: 13 121 289
olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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*LABb 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.85 9.7 -28.7
LAB*LABa 50.85 9.7 -28.7
LAB*LABb 62.5 30.3 288.68

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.85 9.7 -28.7
LAB*LABa 30.85 9.7 -28.7
LAB*LABb 50.0 53.75 304.36

relative CIELAB lab*
lab*lab 0.25 0.141 -0.205
lab*ch 0.375 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.25 0.137 -0.208
lab*tc 0.375 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 23.82 23.68 -33.38
LAB*LABa 23.82 22.75 -33.27
LAB*LABb 37.51 40.31 304.36

relative CIELAB lab*
lab*lab 0.074 0.423 -0.618
lab*ch 0.375 0.75 0.845
lab*nch 0.0 0.75 0.845
relative Natural Colour (NC)
lab*tr 0.074 0.411 -0.626
lab*tc 0.375 0.75 0.842
lab*ncc 0.25 0.75 0.842

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 50.85 9.7 -28.7
LAB*LABa 50.85 9.7 -28.7
LAB*LABb 62.5 30.3 288.68

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.85 9.7 -28.7
LAB*LABa 30.85 9.7 -28.7
LAB*LABb 50.0 53.75 304.36

relative CIELAB lab*
lab*lab 0.25 0.141 -0.205
lab*ch 0.375 0.25 0.845
lab*nch 0.25 0.25 0.845
relative Natural Colour (NC)
lab*tr 0.25 0.137 -0.208
lab*tc 0.375 0.25 0.842
lab*ncc 0.25 0.25 0.842

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 6/360 = 0.017$

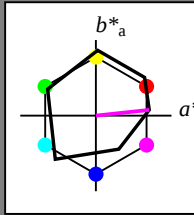
lab^*ich und lab^*nch

A: Buntton M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LAB 95.6 0.0 0.0
LAB*LAB 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LAB 76.23 0.0 0.0
LAB*LAB 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LAB 56.86 0.0 0.0
LAB*LAB 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.8 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.76 18.17 5.9
LAB*LAB 85.76 17.94 1.89
LAB*LAB 87.5 17.6 12.1

relative CIELAB lab*
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017
relative Natural Colour (NC)
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.017
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.39 18.36 4.61
LAB*LAB 66.39 17.65 1.89
LAB*LAB 62.5 17.6 12.1

relative CIELAB lab*
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017
relative Natural Colour (NC)
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LAB 56.86 0.0 0.0
LAB*LAB 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.8 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton $h^* = lab^*h = 339/360 = 0.941$

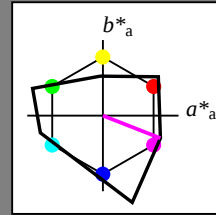
lab^*tch und lab^*nch

A: Buntton M

LCH*Ma: 67 82 339

olv*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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*LAB 95.41 0.0 0.0
LAB*LAB 99.99 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0
LAB*LAB 75.0 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LAB 56.86 0.0 0.0
LAB*LAB 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.8 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

TLS00; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 81.05 38.03 -14.89
LAB*LAB 81.05 38.03 -14.89
LAB*LAB 87.5 40.85 338.6

relative CIELAB lab*
lab*lab 0.85 0.465 -0.181
lab*ich 0.85 0.465 -0.181
lab*nch 0.0 0.3 0.941
relative Natural Colour (NC)
lab*lab 0.85 0.465 -0.181
lab*ich 0.85 0.465 -0.181
lab*nch 0.0 0.3 0.941

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.017
cmyn3* 0.25 0.75 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.21 38.04 -14.9
LAB*LAB 57.21 38.04 -14.9
LAB*LAB 62.5 40.85 338.6

relative CIELAB lab*
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017
relative Natural Colour (NC)
lab*lab 0.75 0.25 0.017
lab*ich 0.75 0.25 0.017
lab*nch 0.0 0.25 0.017

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LAB 56.86 0.0 0.0
LAB*LAB 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.8 0.79
LAB*LAB 37.48 0.0 0.0
LAB*LAB 25.0 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*LAB 0.01 0.01 -

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

BAM-Prüfvorlage RG50; Farbmetrik-Systeme ORS18 & TLS00 input: olv* setrgbcolor

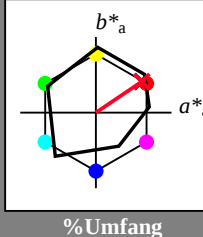
A: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: no change compared to input

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 34/360 = 0.095$ lab^*tch und lab^*nch

A: Buntton R
LCH*Ma: 49 79 34
olv*Ma: 1.0 0.0 0.15

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LAB 95.6 0.0 0.0
LAB*TCa 99.9 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LAB 76.23 0.0 0.0
LAB*TCa 75.0 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LAB 56.86 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 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.8 0.79
LAB*LAB 37.48 0.0 0.0
LAB*TCa 25.0 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCa 10.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.8 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCa 10.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

%Regularität

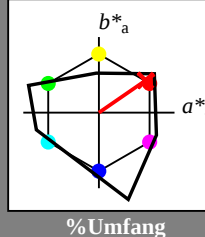
$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 35/360 = 0.096$ lab^*tch und lab^*nch

A: Buntton R
LCH*Ma: 66 89 35
olv*Ma: 1.0 0.0 0.01

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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*LAB 95.41 0.0 0.0
LAB*TCa 99.9 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0
LAB*TCa 75.0 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 49.15 0.0 0.0
LAB*LAB 49.15 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 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 0.0 0.0
LAB*LAB 37.48 0.0 0.0
LAB*TCa 25.0 0.01

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.0 0.0
LAB*LAB 18.12 0.0 0.0
LAB*TCa 10.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.0 0.0
LAB*LAB 18.12 0.0 0.0
LAB*TCa 10.0 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

TLS00; adaptierte CIELAB-Daten

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

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relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

relative Buntheit c^*

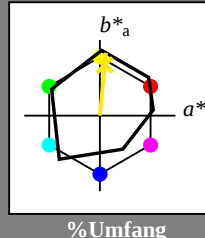
relative Buntheit c^*

relative Buntheit c^*

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 84/360 = 0.235$ lab^*ich und lab^*nch

A: Buntton J
LCH*Ma: 89 83 84
olv*Ma: 1.0 0.91 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*ice 1.0 0.0 0.0
lab*nice 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 75.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*ice 0.75 0.0 0.0
lab*nice 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 1.8 0.79
LAB*LABa 37.48 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*ice 0.25 0.0 0.0
lab*nice 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 10.00 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 1.0 0.0 0.0

RG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 84/360 = 0.235 (links)

ORS18; adaptierte CIELAB-Daten	L*=L _a	a _a	b _a	C _{ab,a}	h _{ab,a}
O _{Ma} 47.94	64.42	50.58	81.9	38	
Y _{Ma} 92.62	2.41	86.36	86.39	88	
L _{Ma} 50.9	-63.82	35.02	72.81	151	
C _{Ma} 51.25	-53.68	-57.69	78.82	227	
V _{Ma} 25.72	30.34	-44.37	53.76	304	
M _{Ma} 56.25	70.59	7.57	70.99	6	
N _{Ma} 18.11	0.0	0.0	0.0	0	
W _{Ma} 95.6	0.0	0.0	0.0	0	
RC _{IE} 47.79	60.85	41.08	73.41	34	
J _{CIE} 83.82	6.52	66.9	67.22	84	
G _{CIE} 49.0	-36.83	2.78	36.95	176	
B _{CIE} 25.14	-18.35	-56.22	59.15	252	

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 1.0 0.931 0.25 (1.0)
cmyn3* 0.0 0.063 0.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 92.06 4.54 45.96
LAB*LABa 92.06 0.0 0.0
LAB*LABb 91.50 0.01 84.45

relative CIELAB lab*
lab*lab 0.954 0.048 0.498
lab*ich 0.75 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.954 0.0 0.5
lab*ice 0.75 0.5 0.235
lab*nice 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.75 0.681 0.0 (1.0)
cmyn3* 0.25 0.296 0.75 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 72.69 4.7 44.68
LAB*LABa 72.69 0.0 0.0
LAB*LABb 71.00 0.01 84.44

relative CIELAB lab*
lab*lab 0.704 0.048 0.498
lab*ich 0.5 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.704 0.0 0.5
lab*ice 0.5 0.5 0.235
lab*nice 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.5 0.454 0.0 (1.0)
cmyn3* 0.5 0.546 0.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.32 4.89 43.30
LAB*LABa 53.32 0.0 0.0
LAB*LABb 51.00 0.01 84.44

relative CIELAB lab*
lab*lab 0.454 0.048 0.498
lab*ich 0.25 0.5 0.235
lab*nch 0.0 0.5 0.235
relative Natural Colour (NC)
lab*trj 0.454 0.0 0.5
lab*ice 0.25 0.5 0.235
lab*nice 0.0 0.5 0.235

relative Inform. Technology (IT)
olv3* 0.25 0.227 0.024 (1.0)
cmyn3* 0.75 0.773 1.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.023 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.71 3.03 21.44
LAB*LABa 35.71 0.0 0.0
LAB*LABb 33.00 0.01 84.44

relative CIELAB lab*
lab*lab 0.227 0.024 0.497
lab*ich 0.125 0.25 0.234
lab*nch 0.75 0.25 0.234
relative Natural Colour (NC)
lab*trj 0.227 0.0 0.25
lab*ice 0.125 0.25 0.234
lab*nice 0.75 0.25 0.234

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

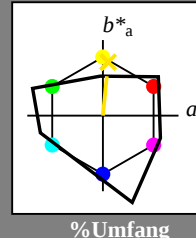
$n^* = 1.0$

relative Buntheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 84/360 = 0.234$ lab^*ich und lab^*nch

A: Buntton J
LCH*Ma: 91 52 84
olv*Ma: 1.0 0.89 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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*LABb 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*ice 1.0 0.0 0.0
lab*nice 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 70.00 0.01 -

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*ice 0.75 0.0 0.0
lab*nice 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.48 1.8 0.79
LAB*LABa 37.48 0.0 0.0
LAB*LABb 25.00 0.01 -

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*ice 0.25 0.0 0.0
lab*nice 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 10.00 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 1.0 0.0 0.0

5 stufige Reihen für konstanten CIELAB Buntton 84/360 = 0.234 (rechts)

TLS00; adaptierte CIELAB-Daten	L*=L _a	a _a	b _a	C _{ab,a}	h _{ab,a}
O _{Ma} 65.56	73.34	51.39	89.55	35	
Y _{Ma} 94.78	-3.49	52.24	52.36	94	
L _{Ma} 77.48	-92.97	36.0	99.71	159	
C _{Ma} 78.36	-82.69	-22.74	85.77	195	
V _{Ma} 12.55	38.81	-114.81	121.2	289	
M _{Ma} 66.71	76.08	-29.8	81.71	339	
N _{Ma} 0.01	0.0	0.0	0.0	0	
W _{Ma} 95.41	0.0	0.0	0.0	0	
RC _{IE} 47.79	61.74	42.56	74.99	35	
J _{CIE} 83.82	7.06	70.78	71.13	84	
G _{CIE} 49.0	-35.95	4.34	36.22	173	
B _{CIE} 25.14	-17.24	-56.24	58.84	253	

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 0.75 0.72 0.5 (1.0)
cmyn3* 0.25 0.278 0.5 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.58 1.3 13.04
LAB*LABa 70.58 0.0 0.0
LAB*LABb 68.00 0.01 84.3

relative CIELAB lab*
lab*lab 0.74 0.025 0.249
lab*ich 0.75 0.25 0.234
lab*nch 0.25 0.25 0.234
relative Natural Colour (NC)
lab*trj 0.74 0.0 0.25
lab*ice 0.75 0.25 0.234
lab*nice 0.25 0.25 0.234

relative Inform. Technology (IT)
olv3* 0.5 0.443 0.0 (1.0)
cmyn3* 0.5 0.557 1.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.227 0.024 (1.0)
cmyn3* 0.75 0.773 1.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.023 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.71 3.03 21.44
LAB*LABa 35.71 0.0 0.0
LAB*LABb 33.00 0.01 84.44

relative CIELAB lab*
lab*lab 0.227 0.024 0.497
lab*ich 0.125 0.25 0.234
lab*nch 0.75 0.25 0.234
relative Natural Colour (NC)
lab*trj 0.227 0.0 0.25
lab*ice 0.125 0.25 0.234
lab*nice 0.75 0.25 0.234

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 10.00 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.683 0.25 (1.0)
cmyn3* 0.25 0.307 0.75 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.59 2.6 26.07
LAB*LABa 69.59 0.0 0.0
LAB*LABb 67.00 0.01 84.3

relative CIELAB lab*
lab*lab 0.729 0.05 0.498
lab*ich 0.75 0.25 0.234
lab*nch 0.25 0.25 0.234
relative Natural Colour (NC)
lab*trj 0.729 0.0 0.5
lab*ice 0.75 0.25 0.234
lab*nice 0.25 0.25 0.234

relative Inform. Technology (IT)
olv3* 0.5 0.443 0.0 (1.0)
cmyn3* 0.5 0.557 1.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.063 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.86 0.8 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 50.00 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.5 0.0 0.0
lab*ice 0.5 0.0 0.0
lab*nice 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.227 0.024 (1.0)
cmyn3* 0.75 0.773 1.0 (0.0)
olv4* 1.0 0.931 0.25 (1.0)
cmyn4* 0.0 0.023 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 35.71 3.03 21.44
LAB*LABa 35.71 0.0 0.0
LAB*LABb 33.00 0.01 84.44

relative CIELAB lab*
lab*lab 0.227 0.024 0.497
lab*ich 0.125 0.25 0.234
lab*nch 0.75 0.25 0.234
relative Natural Colour (NC)
lab*trj 0.227 0.0 0.25
lab*ice 0.125 0.25 0.234
lab*nice 0.75 0.25 0.234

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 10.00 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*ice 0.0 0.0 0.0
lab*nice 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

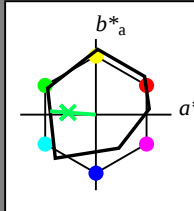
$n^* = 1.0$

relative Buntheit c^*

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 176/360 = 0.488$ lab^*ch und lab^*nch

A: Buntton G
LCH*Ma: 51 61 176
olv*Ma: 0.0 1.0 0.33

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 96$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 95.6 0.0 0.0
LAB*LABc 95.6 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 76.23 0.0 0.0
LAB*LABc 76.23 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 56.86 0.2 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 56.86 0.0 0.0
LAB*LABc 56.86 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*LAB 37.48 0.18 0.79
LAB*LABa 37.48 0.0 0.0
LAB*LABb 37.48 0.0 0.0
LAB*LABc 37.48 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 0.0 0.0

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

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 73.3 29.59 5.45
LAB*LABa 73.3 30.23 2.28
LAB*LABb 73.3 30.33 175.69

relative CIELAB lab*
lab*lab 0.712 0.497 0.038
lab*ch 0.712 0.497 0.038
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.712 0.497 0.038
lab*trc 0.712 0.497 0.038
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 53.93 29.41 4.17
LAB*LABa 53.93 30.24 2.28
LAB*LABb 53.93 30.33 175.69

relative CIELAB lab*
lab*lab 0.462 0.498 0.038
lab*ch 0.462 0.498 0.038
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.462 0.498 0.038
lab*trc 0.462 0.498 0.038
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 34.57 29.21 2.29
LAB*LABa 34.57 30.23 2.28
LAB*LABb 34.57 30.33 175.69

relative CIELAB lab*
lab*lab 0.212 0.497 0.038
lab*ch 0.212 0.497 0.038
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.212 0.497 0.038
lab*trc 0.212 0.497 0.038
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 26.34 24.01 1.23
LAB*LABa 26.34 24.01 1.23
LAB*LABb 26.34 24.01 1.23

relative CIELAB lab*
lab*lab 0.106 0.498 0.038
lab*ch 0.106 0.498 0.038
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.106 0.498 0.038
lab*trc 0.106 0.498 0.038
lab*ncc 0.0 0.0 0.0

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.25 1.0 0.25 (0.5)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 62.16 44.61 5.85
LAB*LABa 62.16 45.36 3.42
LAB*LABb 62.16 45.36 175.69

relative CIELAB lab*
lab*lab 0.568 0.747 0.056
lab*ch 0.568 0.747 0.056
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.568 0.747 0.056
lab*trc 0.568 0.747 0.056
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olv4* 0.25 1.0 0.25 (0.5)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 51.02 59.62 6.26
LAB*LABa 51.02 60.48 4.56
LAB*LABb 51.02 60.66 175.69

relative CIELAB lab*
lab*lab 0.425 0.996 0.075
lab*ch 0.425 0.996 0.075
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.425 0.996 0.075
lab*trc 0.425 0.996 0.075
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 42.79 44.42 4.58
LAB*LABa 42.79 45.36 3.43
LAB*LABb 42.79 45.36 175.69

relative CIELAB lab*
lab*lab 0.319 0.747 0.056
lab*ch 0.319 0.747 0.056
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.319 0.747 0.056
lab*trc 0.319 0.747 0.056
lab*ncc 0.0 0.0 0.0

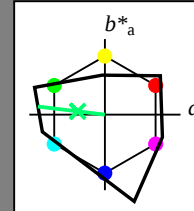
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0

$n^* = 0.00$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 173/360 = 0.481$ lab^*ch und lab^*nch

A: Buntton G
LCH*Ma: 78 89 173
olv*Ma: 0.0 1.0 0.43

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 141$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 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*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

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

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 0.0 0.0

relative CIELAB lab*
lab*lab 0.712 0.0 0.0
lab*ch 0.712 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.712 0.0 0.0
lab*trc 0.712 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 51.02 59.62 6.26
LAB*LABa 51.02 60.48 4.56
LAB*LABb 51.02 60.66 175.69

relative CIELAB lab*
lab*lab 0.425 0.996 0.075
lab*ch 0.425 0.996 0.075
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.425 0.996 0.075
lab*trc 0.425 0.996 0.075
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 37.48 0.18 0.79
LAB*LABa 37.48 0.0 0.0
LAB*LABb 37.48 0.0 0.0
LAB*LABc 37.48 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*trc 0.25 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.12 0.18 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 0.0 0.0

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

$n^* = 1.0$

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.858 (1.0)
cmyn3* 0.25 0.0 0.142 (0.0)
olv4* 0.75 1.0 0.858 (1.0)
cmyn4* 0.25 0.0 0.142 (0.0)
standard and adapted CIELAB
LAB*LAB 91.01 22.12 2.67
LAB*LABa 91.01 22.12 2.67
LAB*LABb 91.01 22.12 2.67
LAB*LABc 91.01 22.12 2.67

relative CIELAB lab*
lab*lab 0.954 0.249 0.0
lab*ch 0.954 0.249 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.954 0.249 0.0
lab*trc 0.954 0.249 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.6 (1.0)
cmyn3* 0.5 0.25 0.392 (0.0)
olv4* 0.75 1.0 0.858 (0.75)
cmyn4* 0.25 0.0 0.142 (0.25)
standard and adapted CIELAB
LAB*LAB 67.17 22.12 2.67
LAB*LABa 67.17 22.12 2.67
LAB*LABb 67.17 22.12 2.67
LAB*LABc 67.17 22.12 2.67

relative CIELAB lab*
lab*lab 0.704 0.247 0.03
lab*ch 0.704 0.247 0.03
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.704 0.247 0.03
lab*trc 0.704 0.247 0.03
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.485 (1.0)
cmyn3* 0.75 0.25 0.535 (0.0)
olv4* 0.5 1.0 0.715 (0.75)
cmyn4* 0.5 0.0 0.285 (0.25)
standard and adapted CIELAB
LAB*LAB 62.78 44.27 5.34
LAB*LABa 62.78 44.27 5.34
LAB*LABb 62.78 44.27 5.34
LAB*LABc 62.78 44.27 5.34

relative CIELAB lab*
lab*lab 0.658 0.493 0.06
lab*ch 0.658 0.493 0.06
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.658 0.493 0.06
lab*trc 0.658 0.493 0.06
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.0 0.0 0.5 (0.25)
standard and adapted CIELAB
LAB*LAB 38.94 24.01 1.23
LAB*LABa 38.94 24.01 1.23
LAB*LABb 38.94 24.01 1.23
LAB*LABc 38.94 24.01 1.23

relative CIELAB lab*
lab*lab 0.612 0.743 0.09
lab*ch 0.612 0.743 0.09
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.612 0.743 0.09
lab*trc 0.612 0.743 0.09
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 0.0 0.0

$n^* = 0.00$

TLS00; adaptierte CIELAB-Daten					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.715 (1.0)
cmyn3* 0.5 0.0 0.285 (0.0)
olv4* 0.5 1.0 0.715 (1.0)
cmyn4* 0.5 0.0 0.285 (0.0)
standard and adapted CIELAB
LAB*LAB 86.63 44.26 5.34
LAB*LABa 86.63 44.26 5.34
LAB*LABb 86.63 44.26 5.34
LAB*LABc 86.63 44.26 5.34

relative CIELAB lab*
lab*lab 0.908 0.493 0.06
lab*ch 0.908 0.493 0.06
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.908 0.493 0.06
lab*trc 0.908 0.493 0.06
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.485 (1.0)
cmyn3* 0.75 0.25 0.535 (0.0)
olv4* 0.5 1.0 0.715 (0.

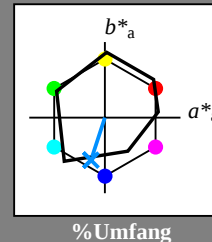
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton $h^* = lab^*h = 252/360 = 0.7$

lab^*tch und lab^*nch

A: Buntton B
LCH*Ma: 40 55 252
olv*Ma: 0.0 0.56 1.0

Dreiecks-Helligkeit t^*



ORS18; adaptierte CIELAB-Daten					
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
olv7*	0.0 0.0 0.0 (0.0)
olv8*	0.0 0.0 0.0 (0.0)
olv9*	0.0 0.0 0.0 (0.0)
olv10*	0.0 0.0 0.0 (0.0)
olv11*	0.0 0.0 0.0 (0.0)
olv12*	0.0 0.0 0.0 (0.0)
olv13*	0.0 0.0 0.0 (0.0)
olv14*	0.0 0.0 0.0 (0.0)
olv15*	0.0 0.0 0.0 (0.0)
olv16*	0.0 0.0 0.0 (0.0)
olv17*	0.0 0.0 0.0 (0.0)
olv18*	0.0 0.0 0.0 (0.0)
olv19*	0.0 0.0 0.0 (0.0)
olv20*	0.0 0.0 0.0 (0.0)
olv21*	0.0 0.0 0.0 (0.0)
olv22*	0.0 0.0 0.0 (0.0)
olv23*	0.0 0.0 0.0 (0.0)
olv24*	0.0 0.0 0.0 (0.0)
olv25*	0.0 0.0 0.0 (0.0)
olv26*	0.0 0.0 0.0 (0.0)
olv27*	0.0 0.0 0.0 (0.0)
olv28*	0.0 0.0 0.0 (0.0)
olv29*	0.0 0.0 0.0 (0.0)
olv30*	0.0 0.0 0.0 (0.0)
olv31*	0.0 0.0 0.0 (0.0)
olv32*	0.0 0.0 0.0 (0.0)
olv33*	0.0 0.0 0.0 (0.0)
olv34*	0.0 0.0 0.0 (0.0)
olv35*	0.0 0.0 0.0 (0.0)
olv36*	0.0 0.0 0.0 (0.0)
olv37*	0.0 0.0 0.0 (0.0)
olv38*	0.0 0.0 0.0 (0.0)
olv39*	0.0 0.0 0.0 (0.0)
olv40*	0.0 0.0 0.0 (0.0)
olv41*	0.0 0.0 0.0 (0.0)
olv42*	0.0 0.0 0.0 (0.0)
olv43*	0.0 0.0 0.0 (0.0)
olv44*	0.0 0.0 0.0 (0.0)
olv45*	0.0 0.0 0.0 (0.0)
olv46*	0.0 0.0 0.0 (0.0)
olv47*	0.0 0.0 0.0 (0.0)
olv48*	0.0 0.0 0.0 (0.0)
olv49*	0.0 0.0 0.0 (0.0)
olv50*	0.0 0.0 0.0 (0.0)
olv51*	0.0 0.0 0.0 (0.0)
olv52*	0.0 0.0 0.0 (0.0)
olv53*	0.0 0.0 0.0 (0.0)
olv54*	0.0 0.0 0.0 (0.0)
olv55*	0.0 0.0 0.0 (0.0)
olv56*	0.0 0.0 0.0 (0.0)
olv57*	0.0 0.0 0.0 (0.0)
olv58*	0.0 0.0 0.0 (0.0)
olv59*	0.0 0.0 0.0 (0.0)
olv60*	0.0 0.0 0.0 (0.0)
olv61*	0.0 0.0 0.0 (0.0)
olv62*	0.0 0.0 0.0 (0.0)
olv63*	0.0 0.0 0.0 (0.0)
olv64*	0.0 0.0 0.0 (0.0)
olv65*	0.0 0.0 0.0 (0.0)
olv66*	0.0 0.0 0.0 (0.0)
olv67*	0.0 0.0 0.0 (0.0)
olv68*	0.0 0.0 0.0 (0.0)
olv69*	0.0 0.0 0.0 (0.0)
olv70*	0.0 0.0 0.0 (0.0)
olv71*	0.0 0.0 0.0 (0.0)
olv72*	0.0 0.0 0.0 (0.0)
olv73*	0.0 0.0 0.0 (0.0)
olv74*	0.0 0.0 0.0 (0.0)
olv75*	0.0 0.0 0.0 (0.0)
olv76*	0.0 0.0 0.0 (0.0)
olv77*	0.0 0.0 0.0 (0.0)
olv78*	0.0 0.0 0.0 (0.0)
olv79*	0.0 0.0 0.0 (0.0)
olv80*	0.0 0.0 0.0 (0.0)
olv81*	0.0 0.0 0.0 (0.0)
olv82*	0.0 0.0 0.0 (0.0)
olv83*	0.0 0.0 0.0 (0.0)
olv84*	0.0 0.0 0.0 (0.0)
olv85*	0.0 0.0 0.0 (0.0)
olv86*	0.0 0.0 0.0 (0.0)
olv87*	0.0 0.0 0.0 (0.0)
olv88*	0.0 0.0 0.0 (0.0)
olv89*	0.0 0.0 0.0 (0.0)
olv90*	0.0 0.0 0.0 (0.0)
olv91*	0.0 0.0 0.0 (0.0)
olv92*	0.0 0.0 0.0 (0.0)
olv93*	0.0 0.0 0.0 (0.0)
olv94*	0.0 0.0 0.0 (0.0)
olv95*	0.0 0.0 0.0 (0.0)
olv96*	0.0 0.0 0.0 (0.0)
olv97*	0.0 0.0 0.0 (0.0)
olv98*	0.0 0.0 0.0 (0.0)
olv99*	0.0 0.0 0.0 (0.0)
olv100*	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olv3*	0.75 0.891 1.0 (1.0)
olv4*	0.25 0.109 0.0 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
olv7*	0.75 0.891 1.0 (1.0)
olv8*	0.25 0.109 0.0 (0.0)
olv9*	0.75 0.891 1.0 (1.0)
olv10*	0.25 0.109 0.0 (0.0)
olv11*	0.75 0.891 1.0 (1.0)
olv12*	0.25 0.109 0.0 (0.0)
olv13*	0.75 0.891 1.0 (1.0)
olv14*	0.25 0.109 0.0 (0.0)
olv15*	0.75 0.891 1.0 (1.0)
olv16*	0.25 0.109 0.0 (0.0)
olv17*	0.75 0.891 1.0 (1.0)
olv18*	0.25 0.109 0.0 (0.0)
olv19*	0.75 0.891 1.0 (1.0)
olv20*	0.25 0.109 0.0 (0.0)
olv21*	0.75 0.891 1.0 (1.0)
olv22*	0.25 0.109 0.0 (0.0)
olv23*	0.75 0.891 1.0 (1.0)
olv24*	0.25 0.109 0.0 (0.0)
olv25*	0.75 0.891 1.0 (1.0)
olv26*	0.25 0.109 0.0 (0.0)
olv27*	0.75 0.891 1.0 (1.0)
olv28*	0.25 0.109 0.0 (0.0)
olv29*	0.75 0.891 1.0 (1.0)
olv30*	0.25 0.109 0.0 (0.0)
olv31*	0.75 0.891 1.0 (1.0)
olv32*	0.25 0.109 0.0 (0.0)
olv33*	0.75 0.891 1.0 (1.0)
olv34*	0.25 0.109 0.0 (0.0)
olv35*	0.75 0.891 1.0 (1.0)
olv36*	0.25 0.109 0.0 (0.0)
olv37*	0.75 0.891 1.0 (1.0)
olv38*	0.25 0.109 0.0 (0.0)
olv39*	0.75 0.891 1.0 (1.0)
olv40*	0.25 0.109 0.0 (0.0)
olv41*	0.75 0.891 1.0 (1.0)
olv42*	0.25 0.109 0.0 (0.0)
olv43*	0.75 0.891 1.0 (1.0)
olv44*	0.25 0.109 0.0 (0.0)
olv45*	0.75 0.891 1.0 (1.0)
olv46*	0.25 0.109 0.0 (0.0)
olv47*	0.75 0.891 1.0 (1.0)
olv48*	0.25 0.109 0.0 (0.0)
olv49*	0.75 0.891 1.0 (1.0)
olv50*	0.25 0.109 0.0 (0.0)
olv51*	0.75 0.891 1.0 (1.0)
olv52*	0.25 0.109 0.0 (0.0)
olv53*	0.75 0.891 1.0 (1.0)
olv54*	0.25 0.109 0.0 (0.0)
olv55*	0.75 0.891 1.0 (1.0)
olv56*	0.25 0.109 0.0 (0.0)
olv57*	0.75 0.891 1.0 (1.0)
olv58*	0.25 0.109 0.0 (0.0)
olv59*	0.75 0.891 1.0 (1.0)
olv60*	0.25 0.109 0.0 (0.0)
olv61*	0.75 0.891 1.0 (1.0)
olv62*	0.25 0.109 0.0 (0.0)
olv63*	0.75 0.891 1.0 (1.0)
olv64*	0.25 0.109 0.0 (0.0)
olv65*	0.75 0.891 1.0 (1.0)
olv66*	0.25 0.109 0.0 (0.0)
olv67*	0.75 0.891 1.0 (1.0)
olv68*	0.25 0.109 0.0 (0.0)
olv69*	0.75 0.891 1.0 (1.0)
olv70*	0.25 0.109 0.0 (0.0)
olv71*	0.75 0.891 1.0 (1.0)
olv72*	0.25 0.109 0.0 (0.0)
olv73*	0.75 0.891 1.0 (1.0)
olv74*	0.25 0.109 0.0 (0.0)
olv75*	0.75 0.891 1.0 (1.0)
olv76*	0.25 0.109 0.0 (0.0)
olv77*	0.75 0.891 1.0 (1.0)
olv78*	0.25 0.109 0.0 (0.0)
olv79*	0.75 0.891 1.0 (1.0)
olv80*	0.25 0.109 0.0 (0.0)
olv81*	0.75 0.891 1.0 (1.0)
olv82*	0.25 0.109 0.0 (0.0)
olv83*	0.75 0.891 1.0 (1.0)
olv84*	0.25 0.109 0.0 (0.0)
olv85*	0.75 0.891 1.0 (1.0)
olv86*	0.25 0.109 0.0 (0.0)
olv87*	0.75 0.891 1.0 (1.0)
olv88*	0.25 0.109 0.0 (0.0)
olv89*	0.75 0.891 1.0 (1.0)
olv90*	0.25 0.109 0.0 (0.0)
olv91*	0.75 0.891 1.0 (1.0)
olv92*	0.25 0.109 0.0 (0.0)
olv93*	0.75 0.891 1.0 (1.0)
olv94*	0.25 0.109 0.0 (0.0)
olv95*	0.75 0.891 1.0 (1.0)
olv96*	0.25 0.109 0.0 (0.0)
olv97*	0.75 0.891 1.0 (1.0)
olv98*	0.25 0.109 0.0 (0.0)
olv99*	0.75 0.891 1.0 (1.0)
olv100*	0.25 0.109 0.0 (0.0)

relative Inform. Technology (IT)	
olv3*	0.75 0.891 1.0 (1.0)
olv4*	0.25 0.109 0.0 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
olv7*	0.75 0.891 1.0 (1.0)
olv8*	0.25 0.109 0.0 (0.0)
olv9*	0.75 0.891 1.0 (1.0)
olv10*	0.25 0.109 0.0 (0.0)
olv11*	0.75 0.891 1.0 (1.0)
olv12*	0.25 0.109 0.0 (0.0)
olv13*	0.75 0.891 1.0 (1.0)
olv14*	0.25 0.109 0.0 (0.0)
olv15*	0.75 0.891 1.0 (1.0)
olv16*	0.25 0.109 0.0 (0.0)
olv17*	0.75 0.891 1.0 (1.0)
olv18*	0.25 0.109 0.0 (0.0)
olv19*	0.75 0.891 1.0 (1.0)
olv20*	0.25 0.109 0.0 (0.0)
olv21*	0.75 0.891 1.0 (1.0)
olv22*	0.25 0.109 0.0 (0.0)
olv23*	0.75 0.891 1.0 (1.0)
olv24*	0.25 0.109 0.0 (0.0)
olv25*	0.75 0.891 1.0 (1.0)
olv26*	0.25 0.109 0.0 (0.0)
olv27*	0.75 0.891 1.0 (1.0)
olv28*	0.25 0.109 0.0 (0.0)
olv29*	0.75 0.891 1.0 (1.0)
olv30*	0.25 0.109 0.0 (0.0)
olv31*	0.75 0.891 1.0 (1.0)
olv32*	0.25 0.109 0.0 (0.0)
olv33*	0.75 0.891 1.0 (1.0)
olv34*	0.25 0.109 0.0 (0.0)
olv35*	0.75 0.891 1.0 (1.0)
olv36*	0.25 0.109 0.0 (0.0)
olv37*	0.75 0.891 1.0 (1.0)
olv38*	0.25 0.109 0.0 (0.0)
olv39*	0.75 0.891 1.0 (1.0)
olv40*	0.25 0.109 0.0 (0.0)
olv41*	0.75 0.891 1.0 (1.0)
olv42*	0.25 0.109 0.0 (0.0)
olv43*	0.75 0.891 1.0 (1.0)
olv44*	0.25 0.109 0.0 (0.0)
olv45*	0.75 0.891 1.0 (1.0)
olv46*	0.25 0.109 0.0 (0.0)
olv47*	0.75 0.891 1.0 (1.0)
olv48*	0.25 0.109 0.0 (0.0)
olv49*	0.75 0.891 1.0 (1.0)
olv50*	0.25 0.109 0.0 (0.0)
olv51*	0.75 0.891 1.0 (1.0)
olv52*	0.25 0.109 0.0 (0.0)
olv53*	0.75 0.891 1.0 (1.0)
olv54*	0.25 0.109 0.0 (0.0)
olv55*	0.75 0.891 1.0 (1.0)
olv56*	0.25 0.109 0.0 (0.0)
olv57*	0.75 0.891 1.0 (1.0)
olv58*	0.25 0.109 0.0 (0.0)
olv59*	0.75 0.891 1.0 (1.0)
olv60*	0.25 0.109 0.0 (0.0)
olv61*	0.75 0.891 1.0 (1.0)
olv62*	0.25 0.109 0.0 (0.0)
olv63*	0.75 0.891 1.0 (1.0)
olv64*	0.25 0.109 0.0 (0.0)
olv65*	0.75 0.891 1.0 (1.0)
olv66*	0.25 0.109 0.0 (0.0)
olv67*	0.75 0.891 1.0 (1.0)
olv68*	0.25 0.109 0.0 (0.0)
olv69*	0.75 0.891 1.0 (1.0)
olv70*	0.25 0.109 0.0 (0.0)
olv71*	0.75 0.891 1.0 (1.0)
olv72*	0.25 0.109 0.0 (0.0)
olv73*	0.75 0.891 1.0 (1.0)
olv74*	0.25 0.109 0.0 (0.0)
olv75*	0.75 0.891 1.0 (1.0)
olv76*	0.25 0.109 0.0 (0.0)
olv77*	0.75 0.891 1.0 (1.0)
olv78*	0.25 0.109 0.0 (0.0)
olv79*	0.75 0.891 1.0 (1.0)
olv80*	0.25 0.109 0.0 (0.0)
olv81*	0.75 0.891 1.0 (1.0)
olv82*	0.25 0.109 0.0 (0.0)
olv83*	0.75 0.891 1.0 (1.0)
olv84*	0.25 0.109 0.0 (0.0)
olv85*	0.75 0.891 1.0 (1.0)
olv86*	0.25 0.109 0.0 (0.0)
olv87*	0.75 0.891 1.0 (1.0)
olv88*	0.25 0.109 0.0 (0.0)
olv89*	0.75 0.891 1.0 (1.0)
olv90*	0.25 0.109 0.0 (0.0)
olv91*	0.75 0.891 1.0 (1.0)
olv92*	0.25 0.109 0.0 (0.0)
olv93*	0.75 0.891 1.0 (1.0)
olv94*	0.25 0.109 0.0 (0.0)
olv95*	0.75 0.891 1.0 (1.0)
olv96*	0.25 0.109 0.0 (0.0)
olv97*	0.75 0.891 1.0 (1.0)
olv98*	0.25 0.109 0.0 (0.0)
olv99*	0.75 0.891 1.0 (1.0)
olv100*	0.25 0.109 0.0 (0.0)

relative Inform. Technology (IT)	
olv3*	0.75 0.891 1.0 (1.0)
olv4*	0.25 0.109 0.0 (0.0)
olv5*	0.75 0.891 1.0 (1.0)
olv6*	0.25 0.109 0.0 (0.0)
olv7*	0.75 0.891 1.0 (1.0)
olv8*	0.25 0.109 0.0 (0.0)
olv9*	0.75 0.891 1.0 (1.0)
olv10*	0.25 0.109 0.0 (0.0)
olv11*	0.75 0.891 1.0 (1.0)
olv12*	0.25 0.109 0.0 (0.0)
olv13*	0.75 0.891 1.0 (1.0)
olv14*	0.25 0.109 0.0 (0.0)
olv15*	0.75 0.891 1.0 (1.0)
olv16*	0.25 0.109 0.0 (0.0)
olv17*	0.75 0.891 1.0 (1.0)
olv18*	0.25 0.109 0.0 (0.0)
olv19*	0.75 0.891 1.0 (1.0)
olv20*	0.25 0.109 0.0 (0.0)
olv21*	0