

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

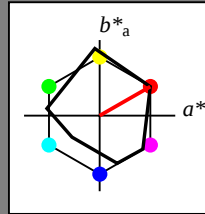
D65: Buntton R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.97 4.75
LAB*LABa	95.41 0.0 0.0
LAB*TCha	98.99 0.01 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	1.0 0.0 0.0
lab*nch	0.0 0.0 0.0
lab*trj	1.0 0.0 0.0
lab*tce	1.0 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.06 -0.6 3.44
LAB*LABa	76.06 0.0 0.0
LAB*TCha	75.0 0.01 0.0
relative CIELAB lab*	
lab*lab	0.75 0.0 0.0
lab*tch	0.75 0.0 0.0
lab*nch	0.25 0.0 0.0
lab*trj	0.75 0.0 0.0
lab*tce	0.25 0.0 0.0
lab*nce	0.25 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.71 -0.23 2.14
LAB*LABa	56.71 0.0 0.0
LAB*TCha	50.0 0.01 0.0
relative CIELAB lab*	
lab*lab	0.5 0.0 0.0
lab*tch	0.5 0.0 0.0
lab*nch	0.5 0.0 0.0
lab*trj	0.5 0.0 0.0
lab*tce	0.5 0.0 0.0
lab*nce	0.5 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 0.13 0.83
LAB*LABa	37.36 0.0 0.0
LAB*TCha	25.0 0.01 0.0
relative CIELAB lab*	
lab*lab	0.25 0.0 0.0
lab*tch	0.25 0.0 0.0
lab*nch	0.75 0.0 0.0
lab*trj	0.25 0.0 0.0
lab*tce	0.25 0.0 0.0
lab*nce	0.75 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olvi4*	1.0 1.0 1.0 (0.0)
cmyn4*	0.0 0.0 0.0 (1.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.5 -0.46
LAB*LABa	18.02 0.0 0.0
LAB*TCha	0.01 0.01 0.0
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
lab*trj	0.0 0.0 0.0
lab*tce	1.0 0.0 0.0
lab*nce	1.0 0.0 0.0

 $n^* = 1.0$

TG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 30/360 = 0.083$ lab^*tch und lab^*nch

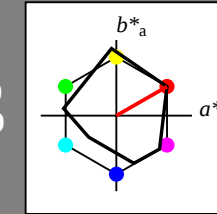
D65: Buntton R

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rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

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% Umfang

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MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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GMa	52.11	-69.73	9.44	70.37	172
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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
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
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relative Inform. Technology (IT)	
olvi3*	1.0 0.75 0.75 (1.0)
cmyn3*	0.0 0.25 0.25 (0.0)
olvi4*	1.0 0.75 0.75 1.0
cmyn4*	0.0 0.25 0.25 0.0
standard and adapted CIELAB	
LAB*LAB	83.96 15.97 13.58
LAB*LABa	83.96 16.73 9.59
LAB*TCha	87.5 16.29 29.82
relative CIELAB lab*	
lab*lab	0.852 0.248 0.03
lab*tch	0.875 0.52 0.019
lab*nch	0.0 0.25 0.07

relative Inform. Technology (IT)	
olvi3*	0.75 0.5 0.5 (1.0)
cmyn3*	0.25 0.5 0.5 (0.0)
olvi4*	1.0 0.75 0.75 0.75
cmyn4*	0.0 0.25 0.25 0.5
standard and adapted CIELAB	
LAB*LAB	64.61 16.35 12.27
LAB*LABa	64.61 16.74 9.59
LAB*TCha	62.5 19.29 29.82
relative CIELAB lab*	
lab*lab	0.602 0.217 0.124
lab*tch	0.625 0.25 0.083
lab*nch	0.25 0.25 0.083
lab*trj	0.602 0.248 0.03
lab*tce	0.625 0.25 0.019
lab*nce	0.25 0.25 0.07

relative Inform. Technology (IT)	
olvi3*	0.5 0.25 0.25 (1.0)
cmyn3*	0.5 0.75 0.75 (0.0)
olvi4*	1.0 0.75 0.75 0.5
cmyn4*	0.0 0.25 0.25 0.5
standard and adapted CIELAB	
LAB*LAB	45.26 16.72 10.97
LAB*LABa	45.26 16.74 9.59
LAB*TCha	37.5 19.29 29.82
relative CIELAB lab*	
lab*lab	0.352 0.217 0.124
lab*tch	0.375 0.25 0.083
lab*nch	0.5 0.25 0.083
lab*trj	0.352 0.248 0.03
lab*tce	0.375 0.25 0.019
lab*nce	0.5 0.25 0.07

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.0 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.75 0.75 0.25
cmyn4*	0.0 0.25 0.25 0.75
standard and adapted CIELAB	
LAB*LAB	33.82 33.67 19.79
LAB*LABa	33.82 33.47 19.18
LAB*TCha	25.01 38.59 29.82
relative CIELAB lab*	
lab*lab	0.204 0.434 0.249
lab*tch	0.25 0.5 0.083
lab*nch	0.5 0.5 0.083
lab*trj	0.204 0.496 0.06
lab*tce	0.25 0.5 0.019
lab*nce	0.5 0.5 0.07

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	18.02 0.5 -0.46
LAB*LABa	18.02 0.0 0.0
LAB*TCha	0.01 0.01 0.0
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
lab*trj	0.0 0.0 0.0
lab*tce	1.0 0.0 0.0
lab*nce	1.0 0.0 0.0

 $n^* = 1.0$

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	72.52 32.93 22.4
LAB*LABa	72.52 33.47 19.18
LAB*TCha	75.0 38.59 29.82
relative CIELAB lab*	
lab*lab	0.704 0.434 0.249
lab*tch	0.75 0.5 0.083
lab*nch	0.0 0.5 0.083
lab*trj	0.704 0.496 0.06
lab*tce	0.75 0.5 0.019
lab*nce	0.0 0.5 0.07

relative Inform. Technology (IT)	
olvi3*	0.75 0.25 0.25 (1.0)
cmyn3*	0.25 0.75 0.75 (0.0)
olvi4*	1.0 0.5 0.5 0.75
cmyn4*	0.0 0.5 0.5 0.25
standard and adapted CIELAB	
LAB*LAB	53.17 33.31 21.09
LAB*LABa	53.17 33.48 19.19
LAB*TCha	50.0 38.59 29.82
relative CIELAB lab*	
lab*lab	0.454 0.434 0.249
lab*tch	0.5 0.5 0.083
lab*nch	0.0 0.5 0.083
lab*trj	0.454 0.496 0.06
lab*tce	0.5 0.5 0.019
lab*nce	0.25 0.5 0.07

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	41.73 50.26 25.91
LAB*LABa	41.73 50.21 28.78
LAB*TCha	37.51 57.87 29.82
relative CIELAB lab*	
lab*lab	0.306 0.651 0.373
lab*tch	0.375 0.75 0.083
lab*nch	0.0 0.75 0.083
lab*trj	0.306 0.745 0.09
lab*tce	0.375 0.75 0.019
lab*nce	0.25 0.75 0.07

relative Inform. Technology (IT)	
olvi3*	0.25 0.0 0.0 (1.0)
cmyn3*	0.75 1.0 1.0 (0.0)
olvi4*	1.0 0.75 0.75 0.25
cmyn4*	0.0 0.25 0.25 0.75
standard and adapted CIELAB	
LAB*LAB	33.82 33.67 19.79
LAB*LABa	33.82 33.47 19.18
LAB*TCha	25.01 38.59 29.82
relative CIELAB lab*	
lab*lab	0.204 0.434 0.249
lab*tch	0.25 0.5 0.083
lab*nch	0.5 0.5 0.083
lab*trj	0.204 0.496 0.06
lab*tce	0.25 0.5 0.019
lab*nce	0.5 0.5 0.07

 $n^* = 0.50$

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 0.0 0.0 1.0
standard and adapted CIELAB	
LAB*LAB	61.07 49.89 31.22
LAB*LABa	61.07 50.21 28.78
LAB*TCha	62.5 57.87 29.82
relative CIELAB lab*	
lab*lab	0.556 0.651 0.373
lab*tch	0.625 0.75 0.083
lab*nch	0.0 0.75 0.083
lab*trj	0.556 0.745 0.09
lab*tce	0.625 0.75 0.019
lab*nce	0.0 0.75 0.07

relative Inform. Technology (IT)	
olvi3*	0.75 0.0 0.0 (1.0)
cmyn3*	0.25 1.0 1.0 (0.0)
olvi4*	1.0 0.25 0.25 1.0
cmyn4*	0.0 0.25 0.25 1.0
standard and adapted CIELAB	
LAB*LAB	49.63 66.84 40.03
LAB*LABa	49.63 66.95 38.36
LAB*TCha	50.0 77.16 29.82
relative CIELAB lab*	
lab*lab	0.409 0.867 0.497
lab*tch	0.5 1.0 0.083
lab*nch	0.0 1.0 0.083
lab*trj	0.409 0.993 0.119
lab*tce	0.5 1.0 0.019
lab*nce	0.0 1.0 0.07

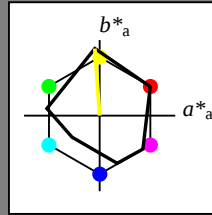
relative Inform. Technology (IT)	
olvi3*	0.5 0.0 0.0 (1.0)
cmyn3*	0.5 1.0 1.0 (0.0)
olvi4*	1.0 0.25 0.25 0.75
cmyn4*	0.0 0.25 0.25 0.75
standard and adapted CIELAB	
LAB*LAB	41.73 50.26 25.91
LAB*LABa	41.73 50.21 28.78
LAB*TCha	37.51 57.87 29.82
relative CIELAB lab*	
lab*lab	0.306 0.651 0.373
lab*tch	0.375 0.75 0.083
lab*nch	0.0 0.75 0.083
lab*trj	0.306 0.745 0.09
lab*tce	0.375 0.75 0.019
lab*nce	0.25 0.75 0.07

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Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$ lab^*tch und lab^*nch D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
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%Regularität

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1,00

0,75

 $n^* = 0,00$

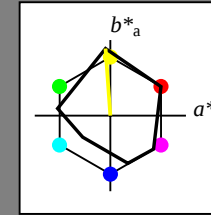
0,25

 $n^* = 0,25$ $n^* = 0,50$ Schwarzheit n^* relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 94/360 = 0.261$ lab^*tch und lab^*nch D65: Buntton J
LCH*Ma: 91 89 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$ $n^* = 0,25$ $n^* = 0,50$ $n^* = 1,0$ relative Buntheit c^*

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

TG44-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

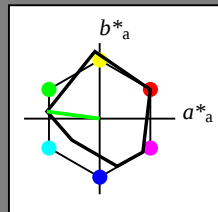
BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

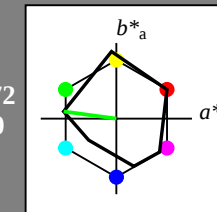
 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

0,75

0,25

 $n^* = 1,0$

relative Inform. Technology (IT)	$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	0.25	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	95.41	-0.97	4.75		
LAB*Lab	95.41	0.0	0.0		
LAB*TCh	98.99	0.01	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	0.0		
lab*nch	0.0	0.0	0.0		
relative Natural Colour (NC)					
lab*trj	1.0	0.0	0.0		
lab*tce	1.0	0.0	0.0		
lab*nce	0.0	0.0	0.0		

relative Inform. Technology (IT)	$olvi3^*$	0.75	0.75	0.75	(1.0)
$cmyn3^*$	0.25	0.25	0.25	0.25	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	76.06	-0.6	3.44		
LAB*Lab	76.06	0.0	0.0		
LAB*TCh	75.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.75	0.75	0.75		
lab*tch	0.75	0.75	0.75		
lab*nch	0.25	0.25	0.25		
relative Natural Colour (NC)					
lab*trj	0.75	0.75	0.75		
lab*tce	0.75	0.75	0.75		
lab*nce	0.25	0.25	0.25		

relative Inform. Technology (IT)	$olvi3^*$	0.5	0.5	0.5	(1.0)
$cmyn3^*$	0.5	0.5	0.5	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	56.71	-0.23	2.14		
LAB*Lab	56.71	0.0	0.0		
LAB*TCh	50.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.5	0.5	0.5		
lab*tch	0.5	0.5	0.5		
lab*nch	0.5	0.5	0.5		
relative Natural Colour (NC)					
lab*trj	0.5	0.5	0.5		
lab*tce	0.5	0.5	0.5		
lab*nce	0.5	0.5	0.5		

relative Inform. Technology (IT)	$olvi3^*$	0.25	0.25	0.25	(1.0)
$cmyn3^*$	0.75	0.75	0.75	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	37.36	0.13	0.83		
LAB*Lab	37.36	0.0	0.0		
LAB*TCh	25.0	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.25	0.25	0.25		
lab*tch	0.25	0.25	0.25		
lab*nch	0.75	0.75	0.75		
relative Natural Colour (NC)					
lab*trj	0.25	0.25	0.25		
lab*tce	0.25	0.25	0.25		
lab*nce	0.75	0.75	0.75		

relative Inform. Technology (IT)	$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	18.02	0.5	-0.46		
LAB*Lab	18.02	0.0	0.0		
LAB*TCh	0.01	0.01	0.0		
relative CIELAB lab*					
lab*lab	0.0	0.0	0.0		
lab*tch	0.0	0.0	0.0		
lab*nch	1.0	1.0	1.0		
relative Natural Colour (NC)					
lab*trj	0.0	0.0	0.0		
lab*tce	0.0	0.0	0.0		
lab*nce	1.0	1.0	1.0		

relative Inform. Technology (IT)	$olvi3^*$	0.75	1.0	0.75	(1.0)
$cmyn3^*$	0.25	0.0	0.0	0.0	(0.0)
$olvi4^*$	0.75	1.0	0.75	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	84.58	-18.19	6.39		
LAB*Lab	84.58	-17.42	2.36		
LAB*TCh	87.5	17.59	172.29		
relative CIELAB lab*					
lab*lab	0.86	-0.247	0.034		
lab*tch	0.875	0.25	0.479		
lab*nch	0.0	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.86	-0.247	-0.028		
lab*tce	0.875	0.25	0.518		
lab*nce	0.0	0.25	0.676		

relative Inform. Technology (IT)	$olvi3^*$	0.5	0.75	0.5	(1.0)
$cmyn3^*$	0.5	0.25	0.5	0.5	(0.0)
$olvi4^*$	0.75	1.0	0.75	0.75	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	65.23	-17.83	5.08		
LAB*Lab	65.23	-17.42	2.36		
LAB*TCh	62.5	17.59	172.29		
relative CIELAB lab*					
lab*lab	0.5	0.75	0.5		
lab*tch	0.5	0.25	0.479		
lab*nch	0.5	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.5	-0.247	-0.028		
lab*tce	0.5	0.25	0.518		
lab*nce	0.5	0.25	0.676		

relative Inform. Technology (IT)	$olvi3^*$	0.25	0.5	0.25	(1.0)
$cmyn3^*$	0.75	0.25	0.75	0.75	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.75	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	54.41	-34.80	6.71		
LAB*Lab	54.41	-34.80	4.72		
LAB*TCh	50.0	35.19	172.29		
relative CIELAB lab*					
lab*lab	0.47	-0.494	0.067		
lab*tch	0.5	0.5	0.479		
lab*nch	0.25	0.5	0.479		
relative Natural Colour (NC)					
lab*trj	0.47	-0.494	-0.056		
lab*tce	0.5	0.5	0.518		
lab*nce	0.25	0.5	0.676		

relative Inform. Technology (IT)	$olvi3^*$	0.0	0.5	0.0	(1.0)
$cmyn3^*$	1.0	0.5	1.0	1.0	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.5	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	35.06	-34.67	5.41		
LAB*Lab	35.06	-34.85	4.72		
LAB*TCh	25.01	35.18	172.29		
relative CIELAB lab*					
lab*lab	0.33	-0.742	0.101		
lab*tch	0.375	0.75	0.479		
lab*nch	0.5	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.33	-0.744	-0.085		
lab*tce	0.375	0.75	0.518		
lab*nce	0.5	0.25	0.676		

relative Inform. Technology (IT)	$olvi3^*$	0.0	0.22	-0.494	0.067
$cmyn3^*$	1.0	0.75	1.0	1.0	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.5	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	26.54	-17.08	2.47		
LAB*Lab	26.54	-17.42	2.36		
LAB*TCh	12.5	17.59	172.29		
relative CIELAB lab*					
lab*lab	0.11	-0.247	0.034		
lab*tch	0.125	0.25	0.479		
lab*nch	0.5	0.25	0.479		
relative Natural Colour (NC)					
lab*trj	0.11	-0.247	-0.028		
lab*tce	0.125	0.25	0.518		
lab*nce	0.5	0.25	0.676		

relative Inform. Technology (IT)	$olvi3^*$	0.5	1.0	0.5	(1.0)
$cmyn3^*$	0.5	0.0	0.5	0.5	(0.0)
$olvi4^*$	0.5	1.0	0.5	1.0	(0.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB*LAB	73.75	-35.42	8.02		
LAB*Lab	73.75	-34.85	4.72		
LAB*TCh	75.0	35.18	172.29		
relative CIELAB lab*					
lab*lab	0.72	-0.496	-0.056		
lab*tch	0.75	0.5	0.518		
lab*nch	0.0	0.5	0.676		

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.5	(1.0)
cmyn3*	0.75	0.25	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	73.75	35.42	8.02	
LAB*Lab	73.75	-34.85	4.72	
LAB*TCh	75.0	35.18	172.29	
relative CIELAB lab*				
lab	0.72	-0.494	0.679	
cmynlab	0.75	0.5	0.479	
cmynch	0.0	0.5	0.479	
relative Natural Colour (NC)				
lab	0.75	0.496	0.056	
cmynlab	0.75	0.5	0.518	
cmynce	0.0	0.5	0.079	

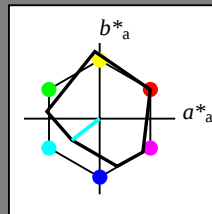
Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

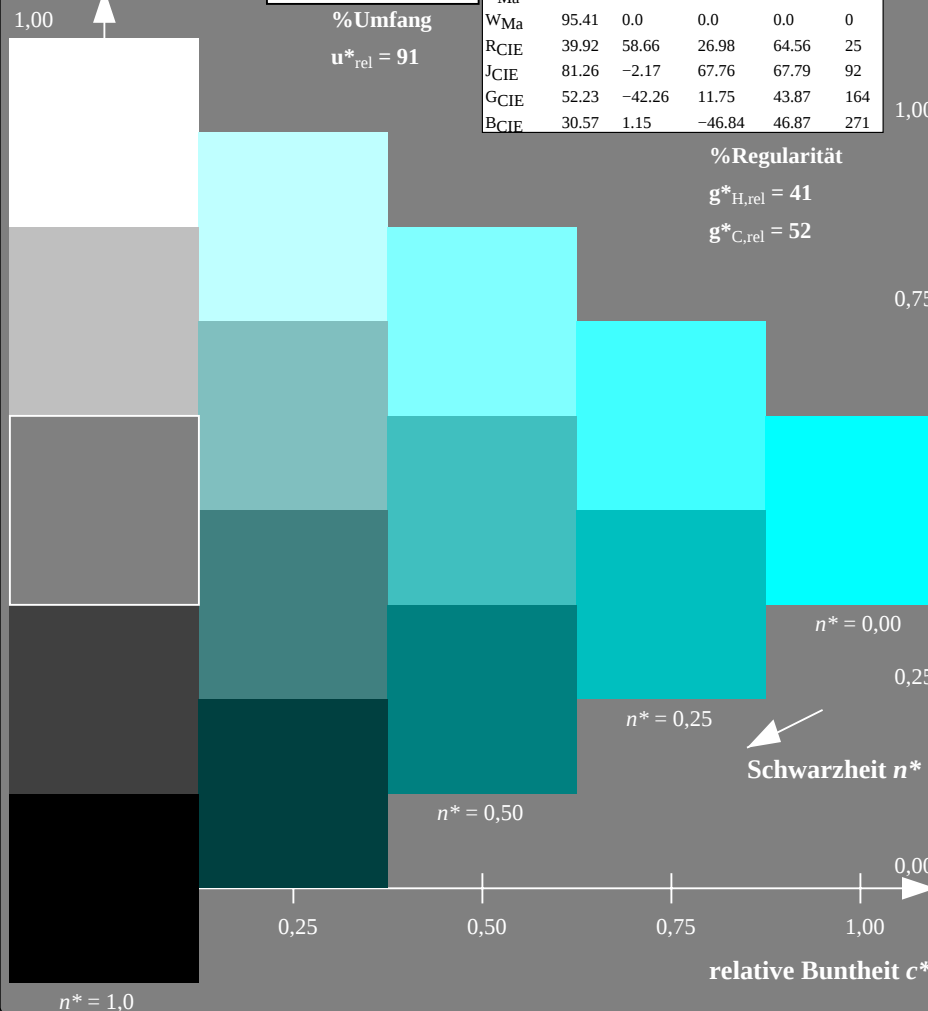


MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$



TG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

BAM-Prüfvorlage TG44; Farbmatisches Reflexions-System MRS18

D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: Startup (S) data dependent

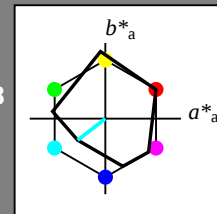
Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 218/360 = 0.605$

lab^*tch und lab^*nch

D65: Buntton G50B
LCH*Ma: 45 46 218
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit

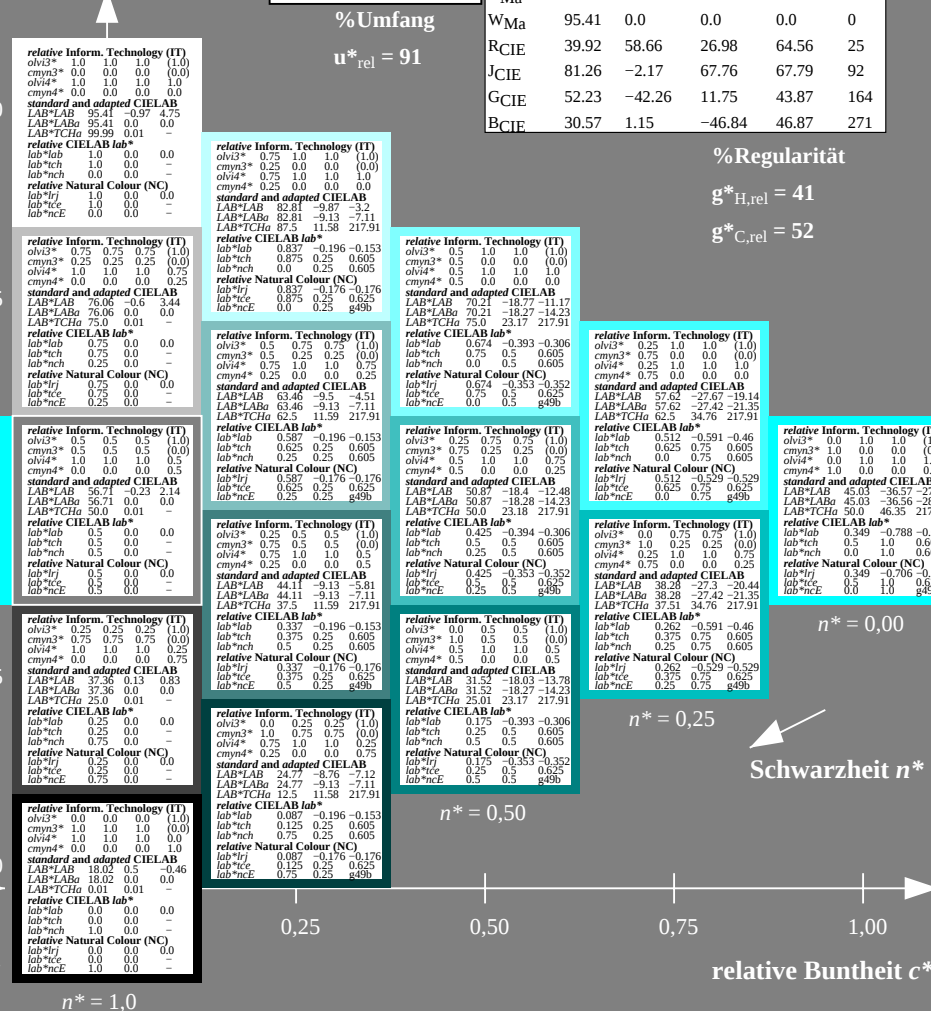


MRS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$



5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (rechts)

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*tch und lab^*nch

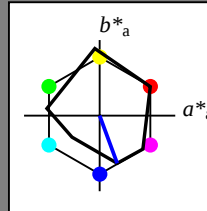
D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 1.0 1.0 1.0 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75	LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0	LAB*LAB 95.41 0.0 0.0
LAB*TCha 98.99 0.01 0.0	LAB*TCha 98.99 0.01 0.0

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

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.75 0.75 0.75 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44	LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0	LAB*LAB 76.06 0.0 0.0
LAB*TCha 75.0 0.01 0.0	LAB*TCha 75.0 0.01 0.0

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0	lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0	lab*tch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0	lab*nch 0.25 0.0 0.0
lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0	lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0	lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.5 0.5 0.5 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 56.71 0.23 2.14	LAB*LAB 56.71 0.23 2.14
LAB*LAB 56.71 0.0 0.0	LAB*LAB 56.71 0.0 0.0
LAB*TCha 50.0 0.01 0.0	LAB*TCha 50.0 0.01 0.0

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0	lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0	lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0	lab*nch 0.5 0.0 0.0
lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0	lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0	lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.25 0.25 0.25 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83	LAB*LAB 37.36 0.13 0.83
LAB*LAB 37.36 0.0 0.0	LAB*LAB 37.36 0.0 0.0
LAB*TCha 25.0 0.01 0.0	LAB*TCha 25.0 0.01 0.0

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0	lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0	lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0	lab*nch 0.75 0.0 0.0
lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0	lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0	lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.0 0.0 0.0 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0	LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0	LAB*LAB 18.02 0.0 0.0
LAB*TCha 0.01 0.01 0.0	LAB*TCha 0.01 0.01 0.0

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

 $n^* = 1.0$ relative Buntheit c^* $n^* = 0.50$ $n^* = 0.25$ Schwarzheit n^*

0,25

0,50

0,75

1,00

 $n^* = 1.0$

TG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.806 (links)

BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*tch und lab^*nch

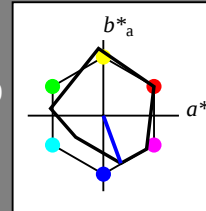
D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 1.0 1.0 1.0 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75	LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0	LAB*LAB 95.41 0.0 0.0
LAB*TCha 98.99 0.01 0.0	LAB*TCha 98.99 0.01 0.0

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

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.75 0.75 0.75 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 80.72 5.1 -11.98	LAB*LAB 80.72 5.1 -11.98
LAB*LAB 80.72 5.79 -15.75	LAB*LAB 80.72 5.79 -15.75
LAB*TCha 87.5 16.79 290.19	LAB*TCha 87.5 16.79 290.19

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0	lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0	lab*tch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0	lab*nch 0.25 0.0 0.0
lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0	lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0	lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.5 0.5 0.5 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 61.37 5.47 -13.29	LAB*LAB 61.37 5.47 -13.29
LAB*LAB 61.37 5.8 -15.75	LAB*LAB 61.37 5.8 -15.75
LAB*TCha 62.5 16.8 290.19	LAB*TCha 62.5 16.8 290.19

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0	lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0	lab*tch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0	lab*nch 0.5 0.0 0.0
lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0	lab*tce 0.5 0.0 0.0
lab*nce 0.5 0.0 0.0	lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.25 0.25 0.25 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 42.02 5.84 -14.6	LAB*LAB 42.02 5.84 -14.6
LAB*LAB 42.02 5.8 -15.75	LAB*LAB 42.02 5.8 -15.75
LAB*TCha 37.5 16.8 290.19	LAB*TCha 37.5 16.8 290.19

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0	lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0	lab*tch 0.25 0.0 0.0
lab*nch 0.75 0.0 0.0	lab*nch 0.75 0.0 0.0
lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0	lab*tce 0.25 0.0 0.0
lab*nce 0.25 0.0 0.0	lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.0 0.0 0.0 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 27.34 11.92 31.35	LAB*LAB 27.34 11.92 31.35
LAB*LAB 27.34 11.59 -31.51	LAB*LAB 27.34 11.59 -31.51
LAB*TCha 25.01 33.59 290.19	LAB*TCha 25.01 33.59 290.19

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0	lab*lab 0.0 0.0 0.0
lab*tch 0.12 0.173 -0.468	lab*tch 0.12 0.173 -0.468
lab*nch 0.25 0.0 0.0	lab*nch 0.25 0.0 0.0
lab*trj 0.06 0.064 -0.24	lab*trj 0.06 0.064 -0.24
lab*tce 0.125 0.25 0.791	lab*tce 0.125 0.25 0.791
lab*nce 0.75 0.25 0.616	lab*nce 0.75 0.25 0.616

 $n^* = 1.0$

relative Inform. Technology (IT)	relative Natural Colour (NC)
olvi3* 0.75 0.75 0.75 (1.0)	olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.25 0.25 0.25 (0.0)	cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)	olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)	cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	standard and adapted CIELAB
LAB*LAB 66.03 11.17 -28.74	LAB*LAB 66.03 11.17 -28.74
LAB*LAB 66.03 11.59 -31.51	LAB*LAB 66.03 11.59 -31.51
LAB*TCha 75.0 33.59 290.19	LAB*TCha 75.0 33.59 290.19

relative CIELAB lab*	relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0	lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0	lab*tch 0.75 0.0 0.0
lab*nch 0.25 0.0 0.0	lab*nch 0.25 0.0 0.0
lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0
lab*tce 0.25 0.0 0.0	lab*tce 0.25 0.0 0.0

Eingabe: Farbmatisches Reflexions-System MRS18

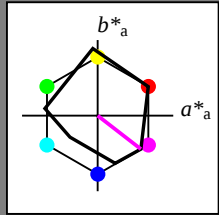
für Buntton $h^* = lab^*h = 322/360 = 0.895$ lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

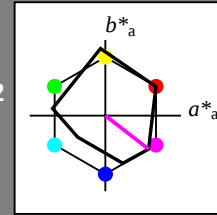
für Buntton $h^* = lab^*h = 322/360 = 0.895$ lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

TG440-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

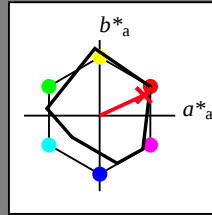
für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

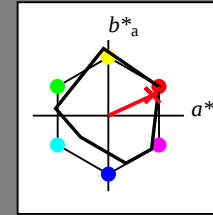
für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$ $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

TG44-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^*setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

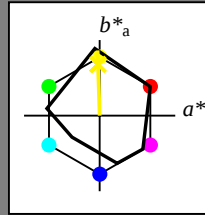
für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System MRS18

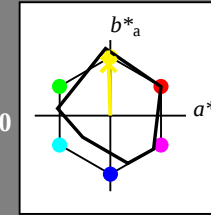
für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$ relative Buntheit c^* $n^* = 1,0$

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

TG44-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

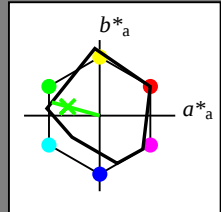
BAM-Prüfvorlage TG44; Farbmeter-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)	
olvi3*	1.0 1.0 1.0 (1.0)
cmyn3*	0.0 0.0 0.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.97 4.75
LAB*LABa	95.41 0.0 0.0
LAB*TCha	98.99 0.01 0.0
relative CIELAB lab*	
lab*lab	1.0 0.0 0.0
lab*tch	1.0 0.0 0.0
lab*nch	0.0 0.0 0.0
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 Natural Colour (NC)	
lab*trj	1.0 0.0 0.0
lab*tce	1.0 0.0 0.0
lab*nce	0.0 0.0 0.0

relative Inform. Technology (IT)	
olvi3*	0.75 0.75 0.75 (1.0)
cmyn3*	0.25 0.25 0.25 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.06 -0.6 3.44
LAB*LABa	76.06 0.0 0.0
LAB*TCha	75.0 0.01 0.0
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
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 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)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.71 -0.23 2.14
LAB*LABa	56.71 0.0 0.0
LAB*TCha	50.0 0.01 0.0
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
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 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)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75 0.75 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 0.13 0.83
LAB*LABa	37.36 0.0 0.0
LAB*TCha	25.0 0.01 0.0
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
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 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)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 1.0 1.0 (0.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	18.02 0.0 0.0
LAB*LABa	18.02 0.0 0.0
LAB*TCha	0.01 0.0 0.0
relative CIELAB lab*	
lab*lab	0.0 0.0 0.0
lab*tch	0.0 0.0 0.0
lab*nch	0.0 0.0 0.0
lab*trj	0.0 0.0 0.0
lab*tce	0.0 0.0 0.0
lab*nce	0.0 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	0.0 0.0 0.0

 $n^* = 1.0$

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

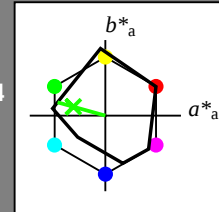
BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 56 66 164
rgb*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

relative Inform. Technology (IT)	
olvi3*	0.776 1.0 0.75 (1.0)
cmyn3*	0.224 0.0 0.25 (0.0)
olvi4*	0.776 1.0 0.75 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	85.57 -15.79 4.4
LAB*LABa	85.57 0.0 0.0
LAB*TCha	87.5 16.4 164.45
relative CIELAB lab*	
lab*lab	0.776 0.0 0.75 (1.0)
lab*tch	0.776 0.0 0.75 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.776 0.0 0.75 (1.0)
lab*tce	0.776 0.0 0.75 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.776 0.0 0.75 (1.0)
lab*tce	0.776 0.0 0.75 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.526 0.75 0.5 (1.0)
cmyn3*	0.474 0.25 0.5 (0.0)
olvi4*	0.776 1.0 0.75 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	66.22 -16.22 7.19
LAB*LABa	66.22 -15.8 4.4
LAB*TCha	62.5 16.41 164.46
relative CIELAB lab*	
lab*lab	0.526 0.75 0.5 (1.0)
lab*tch	0.526 0.75 0.5 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.526 0.75 0.5 (1.0)
lab*tce	0.526 0.75 0.5 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.526 0.75 0.5 (1.0)
lab*tce	0.526 0.75 0.5 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.276 0.5 0.25 (1.0)
cmyn3*	0.724 0.5 0.75 (0.0)
olvi4*	0.776 1.0 0.75 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	46.87 -15.85 5.88
LAB*LABa	46.87 -15.8 4.4
LAB*TCha	37.5 16.41 164.46
relative CIELAB lab*	
lab*lab	0.276 0.5 0.25 (1.0)
lab*tch	0.276 0.5 0.25 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.276 0.5 0.25 (1.0)
lab*tce	0.276 0.5 0.25 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.276 0.5 0.25 (1.0)
lab*tce	0.276 0.5 0.25 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.031 0.5 0.0 (1.0)
cmyn3*	0.969 0.5 0.75 (0.0)
olvi4*	0.551 1.0 0.5 (0.5)
cmyn4*	0.449 0.0 0.5 (0.25)
standard and adapted CIELAB	
LAB*LAB	37.04 -31.47 9.6
LAB*LABa	37.04 -31.6 8.78
LAB*TCha	25.01 32.81 164.47
relative CIELAB lab*	
lab*lab	0.031 0.5 0.0 (1.0)
lab*tch	0.031 0.5 0.0 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.031 0.5 0.0 (1.0)
lab*tce	0.031 0.5 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.031 0.5 0.0 (1.0)
lab*tce	0.031 0.5 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.123 -0.24 0.067
cmyn3*	0.125 0.25 0.457
olvi4*	0.125 0.25 0.457
cmyn4*	0.125 0.25 0.457
standard and adapted CIELAB	
LAB*LAB	12.5 15.48 4.57
LAB*LABa	12.5 15.8 4.39
LAB*TCha	12.5 16.4 164.49
relative CIELAB lab*	
lab*lab	0.123 -0.24 0.067
lab*tch	0.123 -0.24 0.067
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.123 -0.24 0.067
lab*tce	0.123 -0.24 0.067
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.123 -0.24 0.067
lab*tce	0.123 -0.24 0.067
lab*nce	0.0 0.0 0.0 (0.0)

 $n^* = 1.0$

relative Inform. Technology (IT)	
olvi3*	0.551 1.0 0.5 (1.0)
cmyn3*	0.449 0.0 0.5 (0.0)
olvi4*	0.551 1.0 0.5 (1.0)
cmyn4*	0.449 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	75.74 -32.2 12.22
LAB*LABa	75.74 -31.6 8.79
LAB*TCha	75.0 32.81 164.46
relative CIELAB lab*	
lab*lab	0.551 1.0 0.5 (1.0)
lab*tch	0.551 1.0 0.5 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.551 1.0 0.5 (1.0)
lab*tce	0.551 1.0 0.5 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.551 1.0 0.5 (1.0)
lab*tce	0.551 1.0 0.5 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.301 0.75 0.25 (1.0)
cmyn3*	0.699 0.25 0.75 (0.0)
olvi4*	0.551 1.0 0.5 (0.5)
cmyn4*	0.449 0.0 0.5 (0.25)
standard and adapted CIELAB	
LAB*LAB	56.39 -31.61 8.79
LAB*LABa	56.39 -31.61 8.79
LAB*TCha	50.0 32.81 164.46
relative CIELAB lab*	
lab*lab	0.301 0.75 0.25 (1.0)
lab*tch	0.301 0.75 0.25 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.301 0.75 0.25 (1.0)
lab*tce	0.301 0.75 0.25 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.301 0.75 0.25 (1.0)
lab*tce	0.301 0.75 0.25 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.077 0.75 0.0 (1.0)
cmyn3*	0.923 0.25 1.0 (0.0)
olvi4*	0.327 1.0 0.25 (1.0)
cmyn4*	0.673 0.0 0.75 (0.25)
standard and adapted CIELAB	
LAB*LAB	46.52 -47.46 14.64
LAB*LABa	46.52 -47.41 13.18
LAB*TCha	37.51 49.22 164.47
relative CIELAB lab*	
lab*lab	0.077 0.75 0.0 (1.0)
lab*tch	0.077 0.75 0.0 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.077 0.75 0.0 (1.0)
lab*tce	0.077 0.75 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.077 0.75 0.0 (1.0)
lab*tce	0.077 0.75 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.031 0.5 0.0 (1.0)
cmyn3*	0.949 0.5 1.0 (0.0)
olvi4*	0.551 1.0 0.5 (0.5)
cmyn4*	0.449 0.0 0.5 (0.25)
standard and adapted CIELAB	
LAB*LAB	37.04 -31.47 9.6
LAB*LABa	37.04 -31.6 8.78
LAB*TCha	25.01 32.81 164.47
relative CIELAB lab*	
lab*lab	0.031 0.5 0.0 (1.0)
lab*tch	0.031 0.5 0.0 (1.0)
lab*nch	0.0 0.0 0.0 (0.0)
lab*trj	0.031 0.5 0.0 (1.0)
lab*tce	0.031 0.5 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)	
lab*trj	0.031 0.5 0.0 (1.0)
lab*tce	0.031 0.5 0.0 (1.0)
lab*nce	0.0 0.0 0.0 (0.0)

 $n^* = 0.50$

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

BAM-Prüfvorlage TG44; Farbmatrik-Systeme ORS18 & ORS18 input: $olv^* setrgbcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

BAM-Prüfvorlage TG44; Far

Eingabe: Farbmatisches Reflexions-System MRS18

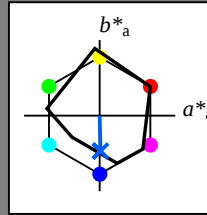
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



1,00

% Umfang

 $u^*_{rel} = 91$

MRS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularität

 $g^*_{H,rel} = 41$ $g^*_{C,rel} = 52$

1,00

 $u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	1.0
cmyn3*	0.0	0.0	0.0	0.0
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.41	-0.97	4.75
LAB*LABa	95.41	0.0	0.0
LAB*LABb	95.41	0.0	0.0

relative CIELAB lab*

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

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	1.0
cmyn3*	0.25	0.25	0.25	0.0
olvi4*	1.0	1.0	1.0	0.75
cmyn4*	0.0	0.0	0.0	0.25

standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44
LAB*LABa	76.06	0.0	0.0
LAB*LABb	76.06	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*tch	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*tce	0.25	0.0	0.0
lab*nce	0.25	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*tch	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*tce	0.5	0.0	0.0
lab*nce	0.5	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	56.71	0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*LABb	56.71	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	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*tce	0.75	0.0	0.0
lab*nce	0.75	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	1.0
cmyn3*	0.75	0.75	0.75	0.0
olvi4*	1.0	1.0	1.0	0.25
cmyn4*	0.0	0.0	0.0	0.75

standard and