

Eingabe: Farbmatisches Reflexions-System ORS18

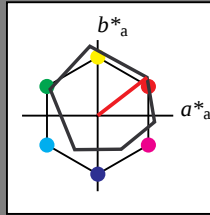
für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*tch und lab^*nch

D65: Buntton O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

Ausgabe: Farbmatisches Reflexions-System MRS18a

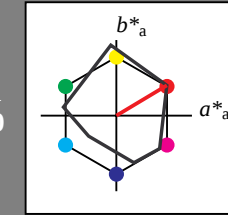
für Buntton $h^* = lab^*h = 31/360 = 0.086$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

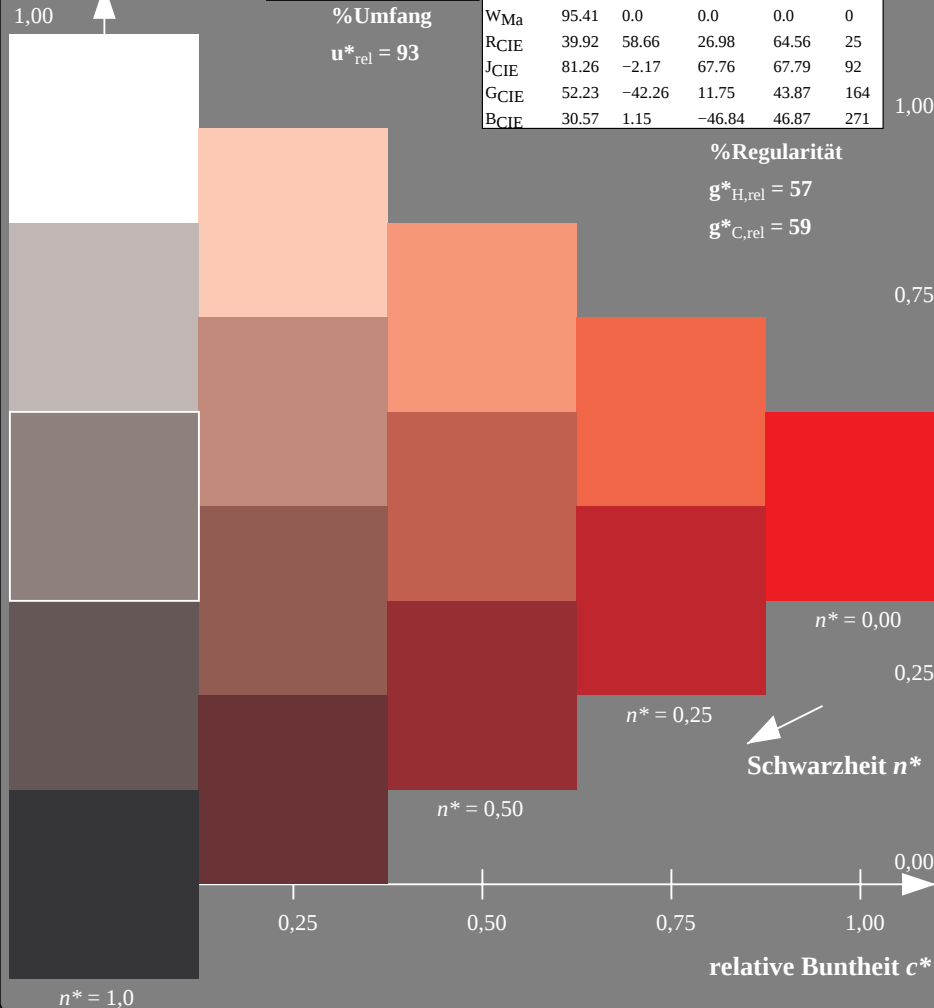
Dreiecks-Helligkeit



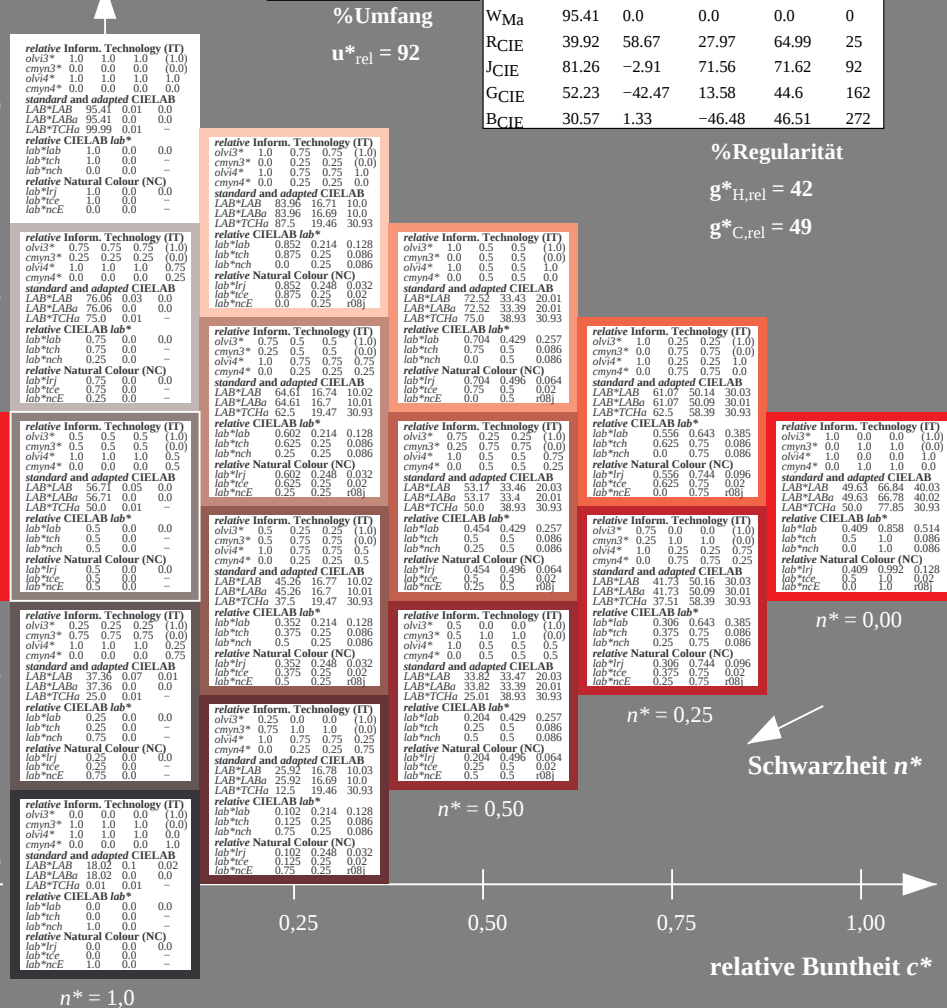
MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$ 

UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (rechts)

Eingabe: Farbmatisches Reflexions-System ORS18

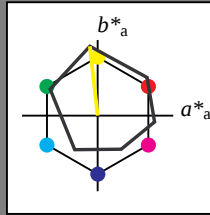
für Buntton $h^* = lab^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

D65: Buntton Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

n* = 0,00

0,25

n* = 0,25

n* = 0,50

0,00

n* = 1,0

relative Buntheit c^*

UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: *cmy0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18a

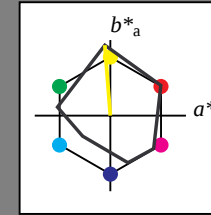
für Buntton $h^* = lab^*h = 94/360 = 0.262$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

1,00

0,75

n* = 0,00

0,25

n* = 0,25

n* = 0,50

0,00

n* = 1,0

relative Buntheit c^*

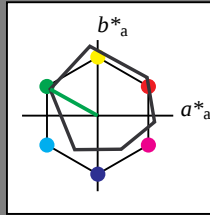
5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (rechts)

Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*tch und lab^*nch D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)	$olvi3^*$	1.0	1.0	1.0	(1.0)
$cmyn3^*$	0.0	0.0	0.0	0.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	95.41	0.01	0.0		
LAB^*TCha	95.41	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	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	76.06	0.03	0.0		
LAB^*TCha	76.06	0.03	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	0.75	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	0.5	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	56.71	0.05	0.0		
LAB^*TCha	56.71	0.05	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	0.75	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	37.36	0.07	0.0		
LAB^*TCha	37.36	0.07	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	0.25	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	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	18.02	0.1	0.02		
LAB^*TCha	18.02	0.1	0.02		
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		

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (rechts)

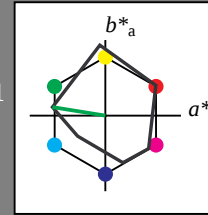
BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: $cmyn0^* setcmykcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 171/360 = 0.475$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 52 71 171
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)	$olvi3^*$	0.75	1.0	0.75	(1.0)
$cmyn3^*$	0.25	0.0	0.25	0.25	(0.0)
$olvi4^*$	0.75	1.0	0.75	1.0	(1.0)
$cmyn4^*$	0.0	0.0	0.25	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	84.58	-17.45	2.82		
LAB^*TCha	84.58	-17.45	2.82		
relative CIELAB lab*					
lab^*lab	0.86	-0.247	-0.03		
lab^*tch	0.86	-0.247	-0.03		
lab^*nch	0.0	0.25	0.0		

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	(1.0)
$cmyn4^*$	0.0	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB					
LAB^*LAB	65.23	-17.43	2.83		
LAB^*TCha	65.23	-17.43	2.83		
relative CIELAB lab*					
lab^*lab	0.5	0.25	0.5		
lab^*tch	0.5	0.25	0.5		
lab^*nch	0.0	0.25	0.0		

relative Inform. Technology (IT)	$olvi3^*$	0.25	0.75	0.25	(1.0)
$cmyn3^*$	0.75	0.25	0.75	0.75	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.5	(1.0)
$cmyn4^*$	0.0	0.0	0.5	0.25	(0.0)
standard and adapted CIELAB					
LAB^*LAB	54.41	-34.96	5.63		
LAB^*TCha	54.41	-34.96	5.63		
relative CIELAB lab*					
lab^*lab	0.47	-0.495	-0.06		
lab^*tch	0.47	-0.495	-0.06		
lab^*nch	0.0	0.25	0.0		

relative Inform. Technology (IT)	$olvi3^*$	0.0	0.5	0.0	(1.0)
$cmyn3^*$	1.0	0.5	1.0	0.5	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.5	(1.0)
$cmyn4^*$	0.0	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	35.06	-34.89	5.65		
LAB^*TCha	35.06	-34.89	5.65		
relative CIELAB lab*					
lab^*lab	0.22	-0.493	0.079		
lab^*tch	0.22	-0.493	0.079		
lab^*nch	0.5	0.5	0.475		
relative Natural Colour (NC)					
lab^*trj	0.22	-0.493	0.079		
lab^*tce	0.22	-0.493	0.079		
lab^*nce	0.5	0.5	0.475		

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	(1.0)
$cmyn4^*$	0.0	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	18.02	0.1	0.02		
LAB^*TCha	18.02	0.1	0.02		
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		

 $n^* = 1,0$

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	0.5	(1.0)
$cmyn4^*$	0.0	0.0	0.5	0.0	(0.0)
standard and adapted CIELAB					
LAB^*LAB	73.75	-34.92	5.64		
LAB^*TCha	73.75	-34.92	5.64		
relative CIELAB lab*					
lab^*lab	0.72	-0.495	-0.06		
lab^*tch	0.72	-0.495	-0.06		
lab^*nch	0.0	0.25	0.0		

relative Inform. Technology (IT)	$olvi3^*$	0.25	0.75	0.25	(1.0)
$cmyn3^*$	0.75	0.25	0.75	0.75	(0.0)
$olvi4^*$	0.5	1.0	0.5	0.5	(1.0)
$cmyn4^*$	0.0	0.0	0.5	0.25	(0.0)
standard and adapted CIELAB					
LAB^*LAB	54.41	-34.96	5.63		
LAB^*TCha	54.41	-34.96	5.63		
relative CIELAB lab*					
lab^*lab	0.47	-0.495	-0.06		
lab^*tch	0.47	-0.495	-0.06		
lab^*nch	0.0	0.25	0.0		

relative CIELAB lab*				
lab*lab	0.47	-0.493	0.08	
lab*tch	0.5	0.5	0.475	
lab*nch	0.25	0.5	0.475	
relative Natural Colour (NC)				
lab*nc	0.47	-0.493	0.06	
lab*tce	0.5	0.5	0.475	
lab*nCe	0.25	0.5	0.475	
relative Inform. Technology (IT)				
olvi3*	0.0	0.5	0.0	(1.0)
cmyn3*	1.0	0.5	1.0	(0.0)
olvi4*	0.5	1.0	0.5	0.5
cmyn4*	0.5	0.0	0.5	0.5
standard and adapted CIELAB				
LAB*LAB	35.06	-34.88	5.65	
LAB*LAB	35.06	-34.88	5.65	

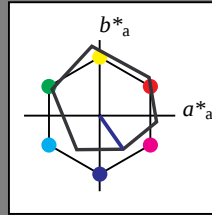
Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*tch und lab^*nch

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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	0.01	0.0	
LAB*LABa	95.41	0.01	0.0	
LAB*LABb	95.41	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	0.03	0.0	
LAB*LABa	76.06	0.03	0.0	
LAB*LABb	76.06	0.03	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	0.75	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	0.05	0.0	
LAB*LABa	56.71	0.05	0.0	
LAB*LABb	56.71	0.05	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	42.02	0.07	0.0	
LAB*LABa	42.02	0.07	0.0	
LAB*LABb	42.02	0.07	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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	18.02	0.1	0.02	
LAB*LABa	18.02	0.1	0.02	
LAB*LABb	18.02	0.1	0.02	
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	0.0	0.0	0.0	
lab*nce	1.0	0.0	0.0	

 $n^* = 1,0$

5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

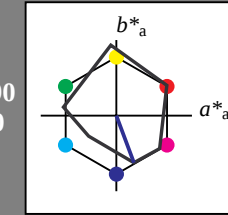
Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 290/360 = 0.807$ lab^*tch und lab^*nch

D65: Buntton B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 92$

relative Inform. Technology (IT)				
olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(0.0)
olvi4*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	80.72	5.84	-15.55	
LAB*LABa	80.72	5.81	-15.55	
LAB*LABb	80.72	5.81	-15.55	
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	0.75	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*	0.75	0.75	0.75	(1.0)
cmyn4*	0.25	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	61.37	5.86	-15.55	
LAB*LABa	61.37	5.81	-15.56	
LAB*LABb	61.37	5.81	-15.56	
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*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.68	11.63	-31.13	
LAB*LABa	46.68	11.63	-31.13	
LAB*LABb	46.68	11.63	-31.13	
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*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	27.34	11.63	-31.13	
LAB*LABa	27.34	11.63	-31.13	
LAB*LABb	27.34	11.63	-31.13	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.12	0.175	-0.467	
lab*nch	0.5	0.0	0.0	
lab*trj	0.06	0.064	-0.241	
lab*tce	0.125	0.25	0.791	
lab*nce	0.75	0.25	0.616	

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	12.5	16.61	290.48	
LAB*LABa	12.5	16.61	290.48	
LAB*LABb	12.5	16.61	290.48	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.06	0.087	-0.233	
lab*nch	0.125	0.25	0.807	
lab*trj	0.06	0.064	-0.241	
lab*tce	0.125	0.25	0.791	
lab*nce	0.75	0.25	0.616	

 $n^* = 1,0$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.03	11.67	-31.12	
LAB*LABa	66.03	11.63	-31.13	
LAB*LABb	66.03	11.63	-31.13	
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*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	46.68	11.63	-31.13	
LAB*LABa	46.68	11.63	-31.13	
LAB*LABb	46.68	11.63	-31.13	
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*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	32.0	17.52	-46.67	
LAB*LABa	32.0	17.44	-46.7	
LAB*LABb	32.0	17.44	-46.7	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.181	0.193	-0.724	
lab*nch	0.5	0.0	0.0	
lab*trj	0.181	0.193	-0.724	
lab*tce	0.181	0.193	-0.724	
lab*nce	0.5	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*	0.5	0.5	0.5	(1.0)
cmyn4*	0.5	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	12.5	16.61	290.48	
LAB*LABa	12.5	16.61	290.48	
LAB*LABb	12.5	16.61	290.48	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	
lab*tch	0.12	0.175	-0.467	
lab*nch	0.5	0.0	0.0	
lab*trj	0.06	0.064	-0.241	
lab*tce	0.125	0.25	0.791	
lab*nce	0.75	0.25	0.616	

 $n^* = 1,0$

Eingabe: Farbmatisches Reflexions-System ORS18

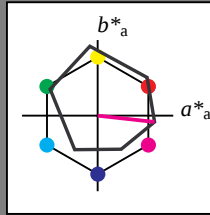
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

0,75

 $n^* = 0,00$

0,25

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

UG410-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18a

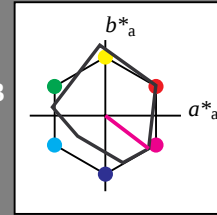
für Buntton $h^* = lab^*h = 323/360 = 0.896$ lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$ $n^* = 0,00$

0,25

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

5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (rechts)

Eingabe: Farbmatisches Reflexions-System ORS18

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

D65: Buntton R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit

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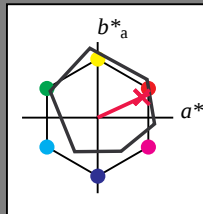
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%Umfang

 $u^*_{rel} = 93$

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ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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Ausgabe: Farbmatisches Reflexions-System MRS18a

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

D65: Buntton R
LCH*Ma: 48 73 25
rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit

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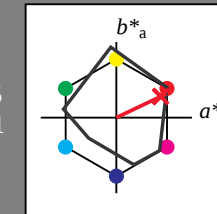
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%Umfang

 $u^*_{rel} = 92$

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MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

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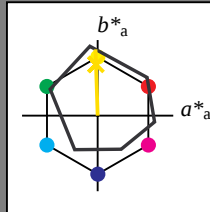
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Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit

1,00



%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

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	0.01	0.0	
LAB*LABa	95.41	0.01	0.0	
LAB*TCMa	99.99	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	0.03	0.0	
LAB*LABa	76.06	0.03	0.0	
LAB*TCMa	75.0	0.01	0.0	
relative CIELAB lab*				
lab*lab	0.75	0.75	0.75	(1.0)
lab*tch	0.75	0.75	0.75	(1.0)
lab*nch	0.25	0.25	0.25	(0.0)
lab*trj	0.75	0.75	0.75	(1.0)
lab*tce	0.75	0.75	0.75	(1.0)
lab*nce	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.5	0.5	0.5	(0.0)
cmyn3*	0.5	0.5	0.5	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	0.05	0.0	
LAB*LABa	56.71	0.05	0.0	
LAB*TCMa	50.0	0.01	0.0	
relative CIELAB lab*				
lab*lab	0.5	0.5	0.5	(0.0)
lab*tch	0.5	0.5	0.5	(0.0)
lab*nch	0.0	0.0	0.0	(0.0)
lab*trj	0.5	0.5	0.5	(0.0)
lab*tce	0.5	0.5	0.5	(0.0)
lab*nce	0.5	0.5	0.5	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(0.0)
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	0.07	0.0	
LAB*LABa	37.36	0.07	0.0	
LAB*TCMa	25.0	0.01	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	(0.0)
lab*tch	0.25	0.25	0.25	(0.0)
lab*nch	0.75	0.75	0.75	(0.0)
lab*trj	0.25	0.25	0.25	(0.0)
lab*tce	0.25	0.25	0.25	(0.0)
lab*nce	0.75	0.75	0.75	(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	0.1	0.02	
LAB*LABa	18.02	0.1	0.02	
LAB*TCMa	0.01	0.01	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(0.0)
lab*tch	0.0	0.0	0.0	(0.0)
lab*nch	1.0	1.0	1.0	(0.0)
lab*trj	0.0	0.0	0.0	(0.0)
lab*tce	0.0	0.0	0.0	(0.0)
lab*nce	1.0	1.0	1.0	(0.0)

 $n^* = 1.0$

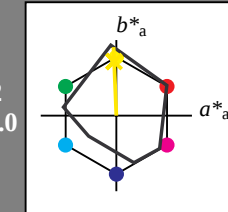
5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: $cmY0^* setcmykcolor$ D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 92/360 = 0.256$ lab^*tch und lab^*nch D65: Buntton J
LCH*Ma: 89 91 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

relative Inform. Technology (IT)				
olvi3*	1.0	0.964	0.25	(1.0)
cmyn3*	0.0	0.036	0.75	(0.0)
olvi4*	1.0	0.964	0.25	(1.0)
cmyn4*	0.0	0.036	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	90.38	-2.75	67.96	
LAB*LABa	90.38	-2.75	67.96	
LAB*TCMa	90.38	-2.75	67.96	
relative CIELAB lab*				
lab*lab	0.957	-0.019	0.499	
lab*tch	0.957	-0.019	0.499	
lab*nch	0.0	0.036	0.75	(0.0)
lab*trj	0.957	-0.019	0.499	
lab*tce	0.957	-0.019	0.499	
lab*nce	0.0	0.036	0.75	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.75	0.714	0.0	(1.0)
cmyn3*	0.25	0.286	0.75	(0.0)
olvi4*	1.0	0.964	0.25	(1.0)
cmyn4*	0.0	0.036	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	72.71	-1.84	45.31	
LAB*LABa	72.71	-1.84	45.31	
LAB*TCMa	50.0	45.35	92.33	
relative CIELAB lab*				
lab*lab	0.727	-0.019	0.5	
lab*tch	0.727	-0.019	0.5	
lab*nch	0.25	0.286	0.75	(0.0)
lab*trj	0.727	-0.019	0.5	
lab*tce	0.727	-0.019	0.5	
lab*nce	0.25	0.286	0.75	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.5	0.476	0.0	(1.0)
cmyn3*	0.5	0.524	0.0	(0.0)
olvi4*	1.0	0.964	0.25	(1.0)
cmyn4*	0.0	0.036	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.36	-1.78	45.32	
LAB*LABa	53.36	-1.78	45.32	
LAB*TCMa	25.01	45.34	92.33	
relative CIELAB lab*				
lab*lab	0.457	-0.019	0.499	
lab*tch	0.457	-0.019	0.499	
lab*nch	0.5	0.524	0.0	(0.0)
lab*trj	0.457	-0.019	0.499	
lab*tce	0.457	-0.019	0.499	
lab*nce	0.5	0.524	0.0	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.25	0.238	0.0	(1.0)
cmyn3*	0.75	0.762	0.0	(0.0)
olvi4*	1.0	0.988	0.75	(0.0)
cmyn4*	0.0	0.012	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	35.68	-0.84	22.67	
LAB*LABa	35.68	-0.84	22.67	
LAB*TCMa	12.5	22.67	92.33	
relative CIELAB lab*				
lab*lab	0.228	-0.009	0.25	
lab*tch	0.228	-0.009	0.25	
lab*nch	0.75	0.762	0.0	(0.0)
lab*trj	0.228	-0.009	0.25	
lab*tce	0.228	-0.009	0.25	
lab*nce	0.75	0.762	0.0	(0.0)

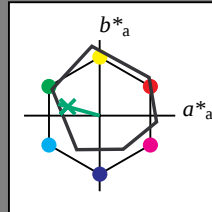
 $n^* = 0.00$ Schwarzheit n^* relative Buntheit c^*

Eingabe: Farbmatisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 164/360 = 0.457$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 53 57 164
rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

1,00

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn3*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 95.41 0.01 0.0	LAB*LAB 95.41 0.01 0.0
LAB*LAB 95.41 0.01 0.0	LAB*LAB 95.41 0.01 0.0	LAB*LAB 95.41 0.01 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
relative Natural Colour (NC)	lab*trj 1.0 0.0 0.0	lab*trj 1.0 0.0 0.0
lab*trj 1.0 0.0 0.0	lab*trj 1.0 0.0 0.0	lab*trj 1.0 0.0 0.0
lab*trj 1.0 0.0 0.0	lab*trj 1.0 0.0 0.0	lab*trj 1.0 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.75 0.75 0.75 (1.0)	0.25 0.25 0.25 (0.0)
cmyn3*	0.25 0.25 0.25 (0.0)	0.75 0.75 0.75 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 76.06 0.03 0.0	LAB*LAB 76.06 0.03 0.0
LAB*LAB 76.06 0.03 0.0	LAB*LAB 76.06 0.03 0.0	LAB*LAB 76.06 0.03 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
relative Natural Colour (NC)	lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0
lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0
lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0	lab*trj 0.75 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.5 0.5 0.5 (1.0)	0.5 0.5 0.5 (0.0)
cmyn3*	0.5 0.5 0.5 (0.0)	0.5 0.5 0.5 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 56.71 0.05 0.0	LAB*LAB 56.71 0.05 0.0
LAB*LAB 56.71 0.05 0.0	LAB*LAB 56.71 0.05 0.0	LAB*LAB 56.71 0.05 0.0
relative CIELAB lab*	lab*lab 0.5 0.0 0.0	lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0	lab*lab 0.5 0.0 0.0	lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)	lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0
lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0
lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0	lab*trj 0.5 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.25 0.25 0.25 (1.0)	0.75 0.75 0.75 (0.0)
cmyn3*	0.75 0.75 0.75 (0.0)	0.25 0.25 0.25 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 37.36 0.07 0.0	LAB*LAB 37.36 0.07 0.0
LAB*LAB 37.36 0.07 0.0	LAB*LAB 37.36 0.07 0.0	LAB*LAB 37.36 0.07 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
relative Natural Colour (NC)	lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0
lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0
lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0	lab*trj 0.25 0.0 0.0

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.0 0.0 0.0 (1.0)	1.0 1.0 1.0 (0.0)
cmyn3*	1.0 1.0 1.0 (0.0)	0.0 0.0 0.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02
LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02
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
relative Natural Colour (NC)	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0

 $n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

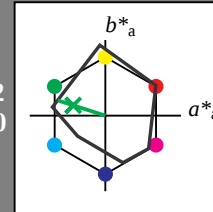
BAM-Prüfvorlage UG41; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System MRS18a

für Buntton $h^* = lab^*h = 162/360 = 0.451$ lab^*tch und lab^*nch D65: Buntton G
LCH*Ma: 56 66 162
rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit

1,00



% Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

1,00

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.777 1.0 0.75 (1.0)	0.223 0.0 0.25 (0.0)
cmyn3*	0.223 0.0 0.25 (0.0)	0.777 1.0 0.75 (1.0)
olvi4*	0.777 1.0 0.75 (1.0)	0.223 0.0 0.25 (0.0)
cmyn4*	0.223 0.0 0.25 (0.0)	0.777 1.0 0.75 (1.0)
standard and adapted CIELAB	LAB*LAB 85.63 -15.74 5.05	LAB*LAB 85.63 -15.74 5.05
LAB*LAB 85.63 -15.74 5.05	LAB*LAB 85.63 -15.74 5.05	LAB*LAB 85.63 -15.74 5.05
relative CIELAB lab*	lab*lab 0.777 0.0 0.75	lab*lab 0.223 0.0 0.25
lab*lab 0.777 0.0 0.75	lab*lab 0.223 0.0 0.25	lab*lab 0.777 0.0 0.75
relative Natural Colour (NC)	lab*trj 0.777 0.0 0.75	lab*trj 0.223 0.0 0.25
lab*trj 0.777 0.0 0.75	lab*trj 0.223 0.0 0.25	lab*trj 0.777 0.0 0.75
lab*trj 0.777 0.0 0.75	lab*trj 0.223 0.0 0.25	lab*trj 0.777 0.0 0.75

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.527 0.75 0.5 (1.0)	0.473 0.25 0.5 (0.0)
cmyn3*	0.473 0.25 0.5 (0.0)	0.527 0.75 0.5 (1.0)
olvi4*	0.777 1.0 0.75 (1.0)	0.223 0.0 0.25 (0.0)
cmyn4*	0.223 0.0 0.25 (0.0)	0.777 1.0 0.75 (1.0)
standard and adapted CIELAB	LAB*LAB 66.28 -15.73 5.06	LAB*LAB 66.28 -15.73 5.06
LAB*LAB 66.28 -15.73 5.06	LAB*LAB 66.28 -15.73 5.06	LAB*LAB 66.28 -15.73 5.06
relative CIELAB lab*	lab*lab 0.527 0.25 0.5	lab*lab 0.473 0.75 0.5
lab*lab 0.527 0.25 0.5	lab*lab 0.473 0.75 0.5	lab*lab 0.527 0.25 0.5
relative Natural Colour (NC)	lab*trj 0.527 0.25 0.5	lab*trj 0.473 0.75 0.5
lab*trj 0.527 0.25 0.5	lab*trj 0.473 0.75 0.5	lab*trj 0.527 0.25 0.5
lab*trj 0.527 0.25 0.5	lab*trj 0.473 0.75 0.5	lab*trj 0.527 0.25 0.5

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.304 0.75 0.25 (1.0)	0.696 0.25 0.75 (0.0)
cmyn3*	0.696 0.25 0.75 (0.0)	0.304 0.75 0.25 (1.0)
olvi4*	0.554 1.0 0.5 (1.0)	0.446 0.0 0.5 (0.0)
cmyn4*	0.446 0.0 0.5 (0.0)	0.554 1.0 0.5 (1.0)
standard and adapted CIELAB	LAB*LAB 56.51 -31.55 10.09	LAB*LAB 56.51 -31.55 10.09
LAB*LAB 56.51 -31.55 10.09	LAB*LAB 56.51 -31.55 10.09	LAB*LAB 56.51 -31.55 10.09
relative CIELAB lab*	lab*lab 0.304 0.25 0.75	lab*lab 0.696 0.75 0.25
lab*lab 0.304 0.25 0.75	lab*lab 0.696 0.75 0.25	lab*lab 0.304 0.25 0.75
relative Natural Colour (NC)	lab*trj 0.304 0.25 0.75	lab*trj 0.696 0.75 0.25
lab*trj 0.304 0.25 0.75	lab*trj 0.696 0.75 0.25	lab*trj 0.304 0.25 0.75
lab*trj 0.304 0.25 0.75	lab*trj 0.696 0.75 0.25	lab*trj 0.304 0.25 0.75

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.124 -0.237 0.076	0.875 0.25 0.451
cmyn3*	0.875 0.25 0.451	0.124 -0.237 0.076
olvi4*	0.777 1.0 0.75 (1.0)	0.223 0.0 0.25 (0.0)
cmyn4*	0.223 0.0 0.25 (0.0)	0.777 1.0 0.75 (1.0)
standard and adapted CIELAB	LAB*LAB 27.58 -15.68 5.06	LAB*LAB 27.58 -15.68 5.06
LAB*LAB 27.58 -15.68 5.06	LAB*LAB 27.58 -15.68 5.06	LAB*LAB 27.58 -15.68 5.06
relative CIELAB lab*	lab*lab 0.124 -0.237 0.076	lab*lab 0.875 0.25 0.451
lab*lab 0.124 -0.237 0.076	lab*lab 0.875 0.25 0.451	lab*lab 0.124 -0.237 0.076
relative Natural Colour (NC)	lab*trj 0.124 -0.237 0.076	lab*trj 0.875 0.25 0.451
lab*trj 0.124 -0.237 0.076	lab*trj 0.875 0.25 0.451	lab*trj 0.124 -0.237 0.076
lab*trj 0.124 -0.237 0.076	lab*trj 0.875 0.25 0.451	lab*trj 0.124 -0.237 0.076

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.0 0.0 0.0 (1.0)	1.0 1.0 1.0 (0.0)
cmyn3*	1.0 1.0 1.0 (0.0)	0.0 0.0 0.0 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)	0.0 0.0 0.0 (0.0)
cmyn4*	0.0 0.0 0.0 (0.0)	1.0 1.0 1.0 (1.0)
standard and adapted CIELAB	LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02
LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02	LAB*LAB 18.02 0.1 0.02
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
relative Natural Colour (NC)	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0
lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0	lab*trj 0.0 0.0 0.0

 $n^* = 1.0$

relative Inform. Technology (IT)	lab^*tch	lab^*nch
olvi3*	0.554 1.0 0.5 (1.0)	0.446 0.0 0.5 (0.0)
cmyn3*	0.446 0.0 0.5 (0.0)	0.554 1.0 0.5 (1.0)
olvi4*	0.554 1.0 0.5 (1.0)	0.446 0.0 0.5 (0.0)
cmyn4*	0.446 0.0 0.5 (0.0)	0.554 1.0 0.5 (1.0)
standard and adapted CIELAB	LAB*LAB 75.86 -31.51 10.1	LAB*LAB 75.86 -31.51 10.1
LAB*LAB 75.86 -31.51 10.1	LAB*LAB 75.86 -31.51 10.1	LAB*LAB 75.86 -31.51 10.1
relative CIELAB lab*	lab*lab 0.554 0.5 0.25	lab*lab 0.446 0.5 0.25
lab*lab 0.554 0.5 0.25	lab*lab 0.446 0.5 0.25	lab*lab 0.554 0.5 0.25
relative Natural Colour (NC)	lab*trj 0.554 0.5 0.25	lab*trj 0.446 0.5 0.25
lab*trj 0.554 0.5 0.25	lab*trj 0.446 0.5 0.25	lab*trj 0.554 0.5 0.25
lab*trj 0.554 0.5 0.25	lab*trj 0.446 0.5 0.25	lab*trj 0.554 0.5 0.25

relative CIELAB lab*		
lab*lab	0.747	-0.475 0.152
lab*tch	0.75	0.5 0.451
lab*nch	0.0	0.5 0.451
relative Natural Colour (NC)		
lab*trj	0.747	-0.499 0.0
lab*tce	0.75	0.5 0.5
lab*nCE	0.0	0.5 0.999
relative Inform. Technology (IT)		
olvi3*	0.304 0.75	0.25 (1.0)
olvi3*	0.696 0.25	0.75 (0.0)
olvi4*	0.554 1.0	0.5 (1.0)
cmyn4*	0.446 0.0	0.5 0.25
standard and adapted CIELAB		
LAB*LAB	56.51	-31.5 10.11
LAB*LAB	56.51	-31.55 10.09

Eingabe: Farbmatisches Reflexions-System ORS18

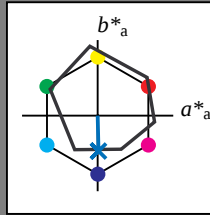
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit



1,00

%Umfang

 $u^*_{rel} = 93$

ORS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

 $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$

Ausgabe: Farbmatisches Reflexions-System MRS18a

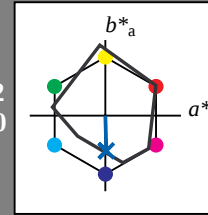
für Buntton $h^* = lab^*h = 272/360 = 0.755$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 92$

MRS18a; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularität

 $g^*_{H,rel} = 42$ $g^*_{C,rel} = 49$

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 0.01 0.0
LAB*LABa	95.41 0.0 0.0
LAB*TCha	99.99 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 (0.0)
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 0.03 0.0
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
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*	0.5 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 0.05 0.0
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
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	37.36 0.07 0.0
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
relative Natural Colour (NC)	
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 0.1 0.0
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
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)	
olvi3*	0.75 0.841 1.0 (1.0)
cmyn3*	0.25 0.159 0.0 (0.0)
olvi4*	0.75 0.841 1.0 1.0
cmyn4*	0.25 0.159 0.0 0.0
standard and adapted CIELAB	
LAB*LAB	81.48 0.38 -12.35
LAB*LABa	81.48 0.35 12.35
LAB*TCha	87.5 12.37 271.63

relative CIELAB lab*	
lab*lab	0.82 0.007 -0.249
lab*tch	0.875 0.25 0.755
lab*nch	0.0 0.25 0.755
relative Natural Colour (NC)	
lab*trj	0.82 0.0 -0.249
lab*tce	0.875 0.25 0.755
lab*nce	0.0 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.5 0.591 0.75 (1.0)
cmyn3*	0.5 0.409 0.25 (0.0)
olvi4*	0.75 0.841 1.0 0.75
cmyn4*	0.25 0.159 0.0 0.25
standard and adapted CIELAB	
LAB*LAB	62.13 0.4 -12.35
LAB*LABa	62.13 0.35 12.36
LAB*TCha	62.5 12.37 271.64

relative CIELAB lab*	
lab*lab	0.57 0.007 -0.249
lab*tch	0.625 0.25 0.755
lab*nch	0.25 0.25 0.755
relative Natural Colour (NC)	
lab*trj	0.57 0.0 -0.249
lab*tce	0.625 0.25 0.755
lab*nce	0.25 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.432 0.75 (1.0)
cmyn3*	0.75 0.568 0.25 (0.0)
olvi4*	0.5 0.682 1.0 0.75
cmyn4*	0.5 0.318 0.0 0.25
standard and adapted CIELAB	
LAB*LAB	48.21 0.77 -24.71
LAB*LABa	48.21 0.71 -24.75
LAB*TCha	50.0 24.75 271.64

relative CIELAB lab*	
lab*lab	0.39 0.014 -0.499
lab*tch	0.5 0.5 0.755
lab*nch	0.25 0.5 0.755
relative Natural Colour (NC)	
lab*trj	0.39 0.0 -0.499
lab*tce	0.5 0.5 0.755
lab*nce	0.25 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.182 0.5 (1.0)
cmyn3*	1.0 0.818 0.5 (0.0)
olvi4*	0.5 0.682 1.0 0.5
cmyn4*	0.5 0.318 0.0 0.5
standard and adapted CIELAB	
LAB*LAB	28.86 0.79 -24.7
LAB*LABa	28.86 0.71 -24.72
LAB*TCha	25.01 24.74 271.64

relative CIELAB lab*	
lab*lab	0.14 0.014 -0.499
lab*tch	0.25 0.5 0.755
lab*nch	0.5 0.5 0.755
relative Natural Colour (NC)	
lab*trj	0.24 0.0 -0.499
lab*tce	0.25 0.5 0.755
lab*nce	0.5 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 0.909 0.75 (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	23.44 0.36 -12.36
LAB*LABa	23.44 0.35 12.33
LAB*TCha	12.5 12.37 271.65

relative CIELAB lab*	
lab*lab	0.07 0.007 -0.249
lab*tch	0.125 0.25 0.755
lab*nch	0.75 0.25 0.755
relative Natural Colour (NC)	
lab*trj	0.07 0.0 -0.249
lab*tce	0.125 0.25 0.755
lab*nce	0.75 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.5 0.682 1.0 (1.0)
cmyn3*	0.5 0.318 0.0 (0.0)
olvi4*	0.5 0.682 1.0 1.0
cmyn4*	0.5 0.318 0.0 0.0
standard and adapted CIELAB	
LAB*LAB	67.55 0.7 -24.72
LAB*LABa	67.55 0.7 24.72
LAB*TCha	75.0 24.74 271.63

relative CIELAB lab*	
lab*lab	0.64 0.014 -0.499
lab*tch	0.75 0.5 0.755
lab*nch	0.0 0.5 0.755
relative Natural Colour (NC)	
lab*trj	0.64 0.0 -0.499
lab*tce	0.75 0.5 0.755
lab*nce	0.0 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.523 1.0 (1.0)
cmyn3*	0.75 0.477 0.0 (0.0)
olvi4*	0.25 0.524 1.0 1.0
cmyn4*	0.75 0.477 0.0 0.0
standard and adapted CIELAB	
LAB*LAB	53.63 1.11 -37.07
LAB*LABa	53.63 1.06 -37.09
LAB*TCha	62.5 37.11 271.63

relative CIELAB lab*	
lab*lab	0.46 0.021 -0.749
lab*tch	0.625 0.75 0.755
lab*nch	0.0 0.75 0.755
relative Natural Colour (NC)	
lab*trj	0.46 0.0 -0.749
lab*tce	0.625 0.75 0.755
lab*nce	0.0 0.75 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.273 0.75 (1.0)
cmyn3*	1.0 0.635 0.0 (0.0)
olvi4*	0.25 0.523 1.0 0.75
cmyn4*	1.0 0.635 1.0 1.0
standard and adapted CIELAB	
LAB*LAB	39.71 1.41 -49.43
LAB*LABa	39.71 1.41 -49.43
LAB*TCha	50.0 49.48 271.64

relative CIELAB lab*	
lab*lab	0.28 0.029 -0.998
lab*tch	0.5 1.0 0.755
lab*nch	0.0 1.0 0.755
relative Natural Colour (NC)	
lab*trj	0.28 0.0 -0.998
lab*tce	0.5 1.0 0.755
lab*nce	0.0 1.0 0.755

relative Inform. Technology (IT)	
olvi3*	0.21 0.021 -0.749
cmyn3*	1.0 0.818 0.5 (0.0)
olvi4*	0.5 0.682 1.0 0.5
cmyn4*	0.5 0.318 0.0 0.5
standard and adapted CIELAB	
LAB*LAB	34.28 1.14 -37.07
LAB*LABa	34.28 1.06 -37.09
LAB*TCha	37.51 37.12 271.64

relative CIELAB lab*	
lab*lab	0.21 0.021 -0.749
lab*tch	0.375 0.75 0.755
lab*nch	0.5 0.75 0.755
relative Natural Colour (NC)	
lab*trj	0.21 0.0 -0.749
lab*tce	0.375 0.75 0.755
lab*nce	0.5 0.75 0.755

relative Inform. Technology (IT)	
olvi3*	0.0 0.0 0.0 (1.0)
cmyn3*	1.0 0.909 0.75 (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	23.44 0.36 -12.36
LAB*LABa	23.44 0.35 12.33
LAB*TCha	12.5 12.37 271.65

relative CIELAB lab*	
lab*lab	0.07 0.007 -0.249
lab*tch	0.125 0.25 0.755
lab*nch	0.75 0.25 0.755
relative Natural Colour (NC)	
lab*trj	0.07 0.0 -0.249
lab*tce	0.125 0.25 0.755
lab*nce	0.75 0.25 0.755

relative Inform. Technology (IT)	
olvi3*	0.25 0.432 0.75 (1.0)
cmyn3*	0.75 0.568 0.25 (0.0)
olvi4*	0.5 0.682 1.0 0.75
cmyn4*	0.5 0.318 0.0 0.25
standard and adapted CIELAB	
LAB*LAB	48.21 0.77 -24.71
LAB*LABa	48.21 0.71 -24.75
LAB*TCha	50.0 24.75 271.64

relative CIELAB lab*	
lab*lab	0.39 0.014 -0.499
lab*tch	0.5 0.5 0.755
lab*nch	0.25 0.5 0.755
relative Natural Colour (NC)	
lab*trj	0.39 0.0 -0.499
lab*tce	0.5 0.5 0.755
lab*nce	0.25 0.5 0.755

relative Inform. Technology (IT)	
olvi3*	0.182 0.5 (1.0)
cmyn3*	1.0 0.818 0.5 (0.0)
olvi4*	0.5 0.682 1.0 0.5
cmyn4*	0.5 0.318 0.0 0.5
standard and adapted CIELAB	
LAB*LAB	28.86 0.79 -24.7
LAB*LABa	28.86 0.71 -24.72
LAB*TCha	25.01 24.74 271.64

LAB*CHa	62.5	37.11	271.63
relative CIELAB lab*			
lab*lab	0.46	0.021	-0.749
lab*tch	0.625	0.75	0.755
lab*nch	0.0	0.75	0.755
relative Natural Colour (NC)			
lab*lrj	0.46	0.0	-0.749
lab*tce	0.625	0.75	0.75
lab*nce	0.0	0.75	g99b