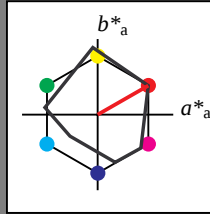


Eingabe: Farbmatisches Reflexions-System MRS18

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



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

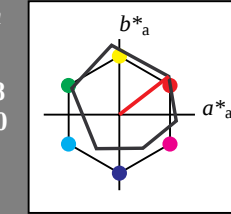
%Regularität

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

Ausgabe: Farbmatisches Reflexions-System ORS18

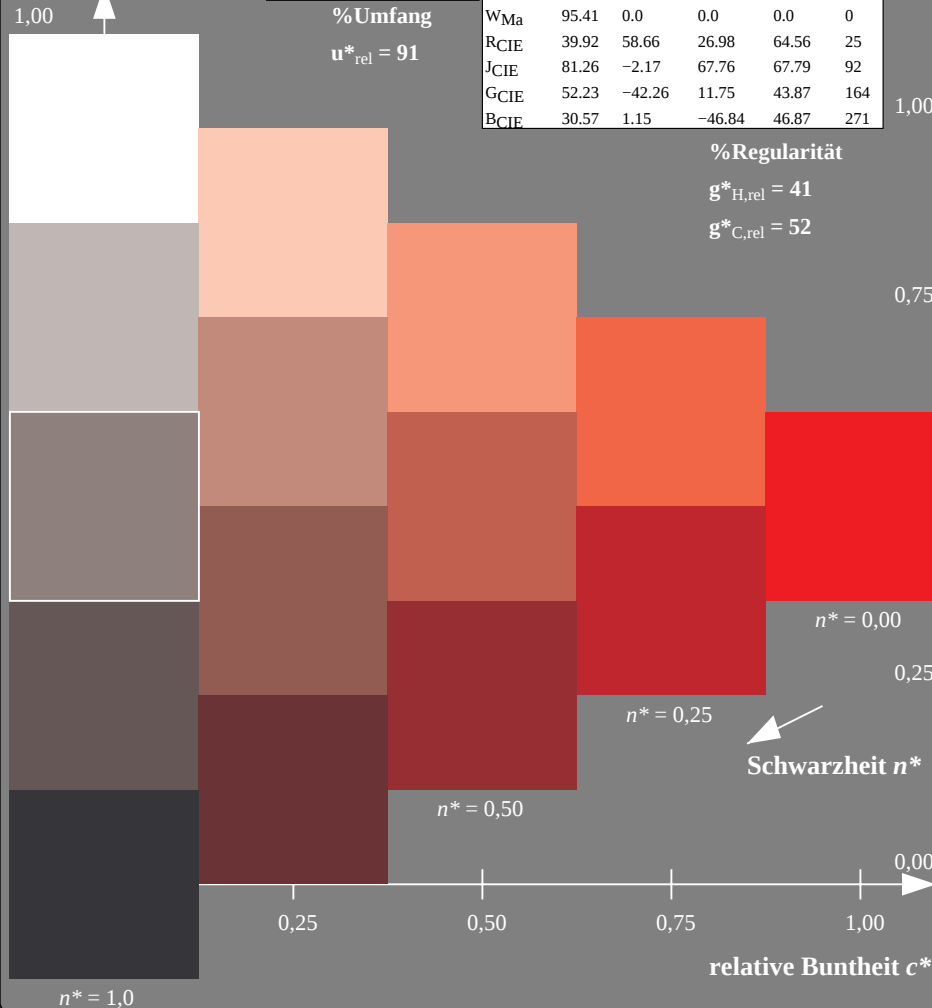
für Buntton $h^* = lab^*h = 38/360 = 0.105$ lab^*tch und lab^*nch D65: Buntton O
LCH*Ma: 48 83 38
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit

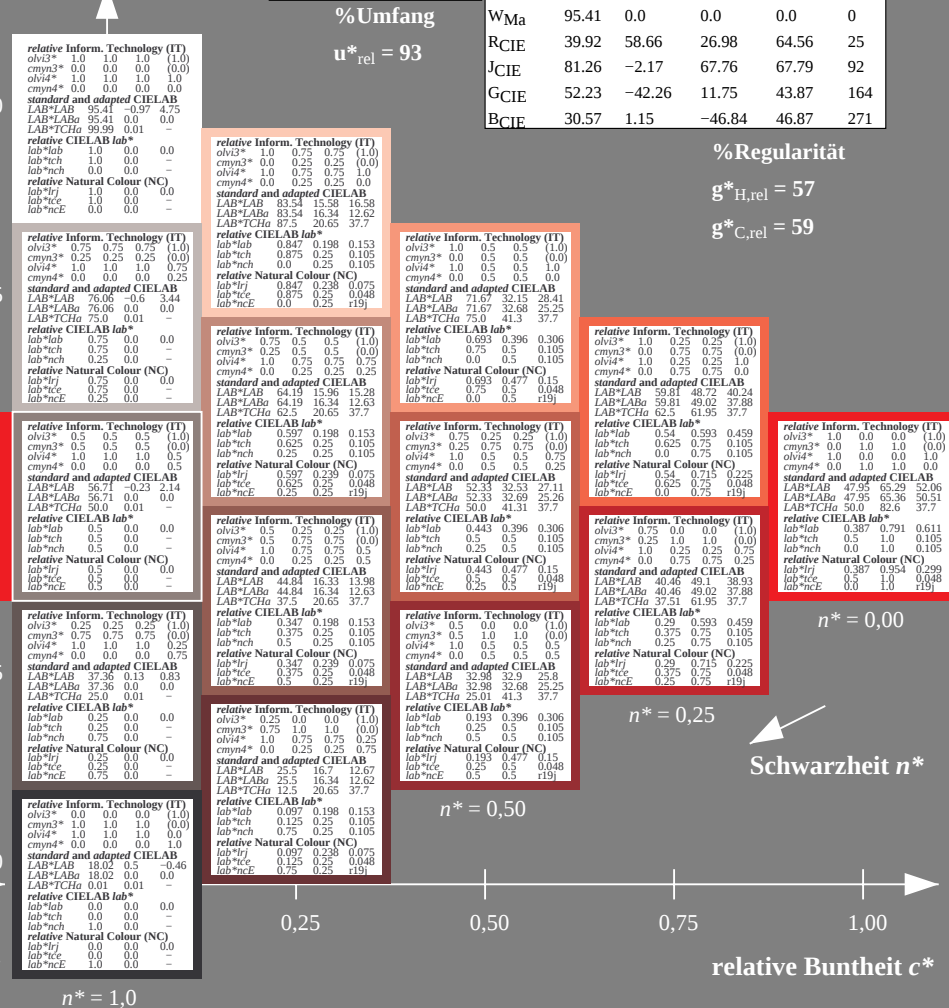


ORS18; adaptierte CIELAB-Daten					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	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

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

UG45-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

BAM-Prüfvorlage UG45; 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 38/360 = 0.105 (rechts)

Eingabe: Farbmatisches Reflexions-System MRS18

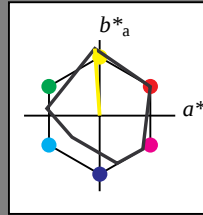
für Buntton $h^* = lab^*h = 94/360 = 0.261$ lab^*tch und lab^*nch

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
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

 $n^* = 0,25$ $n^* = 0,50$

0,00

relative Buntheit c^*

Ausgabe: Farbmatisches Reflexions-System ORS18

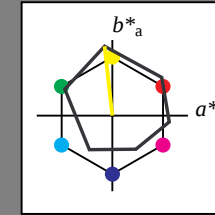
für Buntton $h^* = lab^*h = 96/360 = 0.268$ lab^*tch und lab^*nch

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
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

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

1,00

0,75

 $n^* = 0,00$

0,25

 $n^* = 0,25$ $n^* = 0,50$

0,00

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

UG450-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

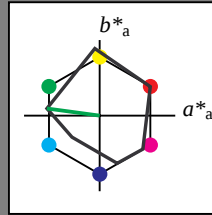
für Buntton $h^* = lab^*h = 172/360 = 0.479$ lab^*tch und lab^*nch

D65: Buntton G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



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

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

Ausgabe: Farbmatisches Reflexions-System ORS18

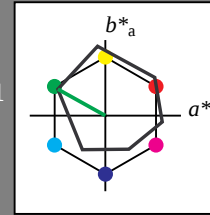
für Buntton $h^* = lab^*h = 151/360 = 0.419$ lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



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
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

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

1,00

0,75

 $n^* = 0,00$

0,25

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

UG450-7, 5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

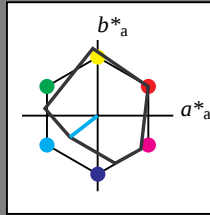
für Buntton $h^* = lab^*h = 218/360 = 0.605$ lab^*tch und lab^*nch

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

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

1,00

0,75

n* = 0,00

0,25

n* = 0,25

n* = 0,50

0,00

relative Buntheit c^*

UG450-7, 5 stufige Reihen für konstanten CIELAB Buntton 218/360 = 0.605 (links)

BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System ORS18

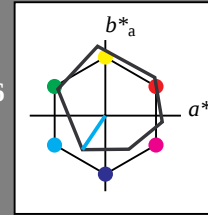
für Buntton $h^* = lab^*h = 236/360 = 0.656$ lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 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
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

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

1,00

0,75

n* = 0,00

0,25

n* = 1,0

relative Buntheit c^*

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

Eingabe: Farbmatisches Reflexions-System MRS18

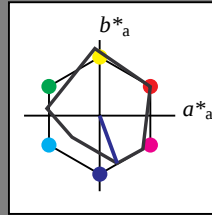
für Buntton $h^* = lab^*h = 290/360 = 0.806$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 37 67 290

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

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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

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

Ausgabe: Farbmatisches Reflexions-System ORS18

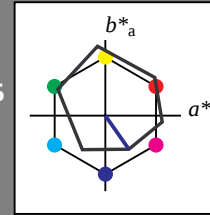
für Buntton $h^* = lab^*h = 305/360 = 0.847$ lab^*tch und lab^*nch

D65: Buntton V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

1,00

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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

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

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	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.98	7.13	-7.51	
LAB*LABa	77.98	7.13	-7.51	
LAB*LABb	77.98	7.13	-7.51	
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	0.0	0.25	0.847	
relative Natural Colour (NC)				
lab*trj	0.75	0.112	-0.222	
lab*tce	0.75	0.25	0.824	
lab*nce	0.0	0.25	0.824	

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*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	58.63	7.5	-8.82	
LAB*LABa	58.63	7.5	-8.82	
LAB*LABb	58.63	7.5	-8.82	
relative CIELAB lab*				
lab*lab	0.5	0.5	0.5	(1.0)
lab*tch	0.5	0.5	0.5	(1.0)
lab*nch	0.25	0.25	0.847	
relative Natural Colour (NC)				
lab*trj	0.5	0.112	-0.222	
lab*tce	0.5	0.25	0.824	
lab*nce	0.25	0.25	0.824	

relative Inform. Technology (IT)				
olvi3*	0.25	0.25	0.25	(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*LABb	56.71	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.0	0.0	0.5	
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	0.5	

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*LABb	37.36	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.0	0.0	0.75	
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	0.75	

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*LABb	37.36	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.25	0.25	0.25	(1.0)
lab*tch	0.25	0.25	0.25	(1.0)
lab*nch	0.0	0.0	0.75	
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	0.75	

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	0.5	-0.46	
LAB*LABa	18.02	0.0	0.0	
LAB*LABb	18.02	0.0	0.0	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	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	19.94	7.77	-11.09	
LAB*LABa	19.94	7.77	-11.09	
LAB*LABb	19.94	7.77	-11.09	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	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	12.5	13.55	30.5	
LAB*LABa	12.5	13.55	30.5	
LAB*LABb	12.5	13.55	30.5	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	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	12.5	13.55	30.5	
LAB*LABa	12.5	13.55	30.5	
LAB*LABb	12.5	13.55	30.5	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)
lab*nch	0.0	0.0	0.0	(1.0)
relative Natural Colour (NC)				
lab*trj	0.0	0.0	0.0	
lab*tce	0.0	0.0	0.0	
lab*nce	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	12.5	13.55	30.5	
LAB*LABa	12.5	13.55	30.5	
LAB*LABb	12.5	13.55	30.5	
relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	0.0	(1.0)

Eingabe: Farbmatisches Reflexions-System MRS18

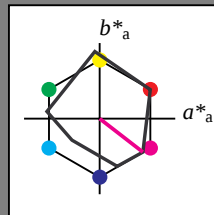
für Buntton $h^* = lab^*h = 322/360 = 0.895$ lab^*tch und lab^*nch

D65: Buntton B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 91$

1,00

0,75

0,50

0,25

0,00

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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

0,50

0,25

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Ausgabe: Farbmatisches Reflexions-System ORS18

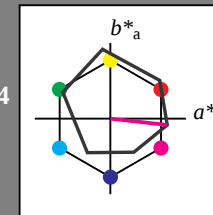
für Buntton $h^* = lab^*h = 354/360 = 0.982$ lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

1,00

0,75

0,50

0,25

0,00

0,00

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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

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

1,00

0,75

0,50

0,25

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0,00

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*LABb 95.41 0.0 0.0

LAB*LABc 95.41 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

lab*trj 1.0 0.0 0.0

lab*trc 1.0 0.0 0.0

lab*trb 1.0 0.0 0.0

lab*trg 1.0 0.0 0.0

lab*trr 1.0 0.0 0.0

lab*trb 1.0 0.0 0.0

lab*trg 1.0 0.0 0.0

lab*trr 1.0 0.0 0.0

lab*trb 1.0 0.0 0.0

lab*trg 1.0 0.0 0.0

lab*trr 1.0 0.0 0.0

lab*trb 1.0 0.0 0.0

lab*trg 1.0 0.0 0.0

lab*trr 1.0 0.0 0.0

lab*trb 1.0 0.0 0.0

lab*trg 1.0 0.0 0.0

relative Inform. Technology (IT)

olvi3* 1.0 0.5 1.0 (1.0)

cmyn3* 0.0 0.5 0.0 (0.0)

olvi4* 1.0 0.5 1.0 (1.0)

cmyn4* 0.0 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 71.77 37.1 -1.01

LAB*LABa 71.77 37.63 -4.17

LAB*LABb 71.77 37.63 -4.17

LAB*LABc 71.77 37.63 -4.17

relative CIELAB lab*

lab*lab 0.695 0.497 -0.054

lab*tch 0.75 0.5 0.982

lab*nch 0.0 0.5 0.982

lab*trj 0.695 0.454 -0.208

lab*trc 0.75 0.5 0.932

lab*trb 0.75 0.5 0.932

lab*trg 0.75 0.5 0.932

lab*trr 0.75 0.5 0.932

lab*trb 0.75 0.5 0.932

lab*trg 0.75 0.5 0.932

lab*trr 0.75 0.5 0.932

lab*trb 0.75 0.5 0.932

lab*trg 0.75 0.5 0.932

lab*trr 0.75 0.5 0.932

lab*trb 0.75 0.5 0.932

lab*trg 0.75 0.5 0.932

lab*trr 0.75 0.5 0.932

lab*trb 0.75 0.5 0.932

lab*trg 0.75 0.5 0.932

relative Inform. Technology (IT)

olvi3* 1.0 0.25 1.0 (1.0)

cmyn3* 0.0 0.25 0.0 (0.0)

olvi4* 1.0 0.25 1.0 (1.0)

cmyn4* 0.0 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 59.95 56.14 -3.9

LAB*LABa 59.95 56.44 -6.26

LAB*LABb 59.95 56.44 -6.26

LAB*LABc 59.95 56.44 -6.26

relative CIELAB lab*

lab*lab 0.542 0.745 -0.082

lab*tch 0.625 0.75 0.982

lab*nch 0.0 0.75 0.982

lab*trj 0.542 0.682 -0.312

lab*trc 0.625 0.75 0.932

lab*trb 0.625 0.75 0.932

lab*trg 0.625 0.75 0.932

lab*trr 0.625 0.75 0.932

lab*trb 0.625 0.75 0.932

lab*trg 0.625 0.75 0.932

lab*trr 0.625 0.75 0.932

lab*trb 0.625 0.75 0.932

lab*trg 0.625 0.75 0.932

lab*trr 0.625 0.75 0.932

lab*trb 0.625 0.75 0.932

lab*trg 0.625 0.75 0.932

lab*trr 0.625 0.75 0.932

lab*trb 0.625 0.75 0.932

lab*trg 0.625 0.75 0.932

relative Inform. Technology (IT)

olvi3* 1.0 0.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olvi4* 1.0 0.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 48.14 75.18 -6.78

LAB*LABa 48.14 75.25 -8.35

LAB*LABb 48.14 75.25 -8.35

LAB*LABc 48.14 75.25 -8.35

relative CIELAB lab*

lab*lab 0.389 0.994 -0.109

lab*tch 0.5 1.0 0.982

lab*nch 0.0 1.0 0.982

lab*trj 0.389 0.909 -0.416

lab*trc 0.5 1.0 0.932

lab*trb 0.5 1.0 0.932

Eingabe: Farbmatisches Reflexions-System MRS18

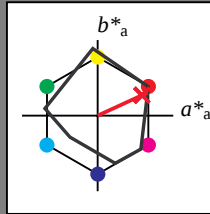
für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

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

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

UG450-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: Farbmatisches Reflexions-System ORS18

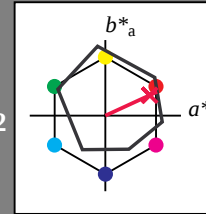
für Buntton $h^* = lab^*h = 25/360 = 0.069$ lab^*tch und lab^*nch

D65: Buntton R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 93$

relative Inform. Technology (IT)

 $olvi3^* 1.0 1.0 1.0 (1.0)$
 $cmY3^* 0.0 0.0 0.0 (0.0)$
 $olvi4^* 1.0 1.0 1.0 (1.0)$
 $cmY4^* 0.0 0.0 0.0 (0.0)$

standard and adapted CIELAB

 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*TCha 95.41 0.0 0.0$
 $LAB^*TCha 95.41 0.0 0.0$

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)

 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 1.0 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

standard and adapted CIELAB

 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*TCha 95.41 0.0 0.0$
 $LAB^*TCha 95.41 0.0 0.0$

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)

 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 1.0 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

standard and adapted CIELAB

 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*TCha 95.41 0.0 0.0$
 $LAB^*TCha 95.41 0.0 0.0$

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)

 $lab^*trj 1.0 0.0 0.0$
 $lab^*tce 1.0 0.0 0.0$
 $lab^*nce 0.0 0.0 0.0$

standard and adapted CIELAB

 $LAB^*LAB 95.41 -0.97 4.75$
 $LAB^*TCha 95.41 0.0 0.0$
 $LAB^*TCha 95.41 0.0 0.0$

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)

 $olvi3^* 1.0 0.75 0.831 (1.0)$
 $cmY3^* 0.0 0.25 0.169 (0.0)$
 $olvi4^* 1.0 0.75 0.831 (1.0)$
 $cmY4^* 0.0 0.25 0.169 (0.0)$

standard and adapted CIELAB

 $LAB^*LAB 83.55 16.38 11.84$
 $LAB^*TCha 83.55 17.13 7.88$
 $LAB^*TCha 83.55 17.13 7.88$

relative CIELAB lab*

 $lab^*lab 0.847 0.227 0.104$
 $lab^*tch 0.875 0.25 0.069$
 $lab^*nch 0.0 0.25 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.847 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.069$

standard and adapted CIELAB

 $LAB^*LAB 83.55 16.38 11.84$
 $LAB^*TCha 83.55 17.13 7.88$
 $LAB^*TCha 83.55 17.13 7.88$

relative CIELAB lab*

 $lab^*lab 0.847 0.227 0.104$
 $lab^*tch 0.875 0.25 0.069$
 $lab^*nch 0.0 0.25 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.847 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.069$

standard and adapted CIELAB

 $LAB^*LAB 83.55 16.38 11.84$
 $LAB^*TCha 83.55 17.13 7.88$
 $LAB^*TCha 83.55 17.13 7.88$

relative CIELAB lab*

 $lab^*lab 0.847 0.227 0.104$
 $lab^*tch 0.875 0.25 0.069$
 $lab^*nch 0.0 0.25 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.847 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.069$

standard and adapted CIELAB

 $LAB^*LAB 83.55 16.38 11.84$
 $LAB^*TCha 83.55 17.13 7.88$
 $LAB^*TCha 83.55 17.13 7.88$

relative CIELAB lab*

 $lab^*lab 0.847 0.227 0.104$
 $lab^*tch 0.875 0.25 0.069$
 $lab^*nch 0.0 0.25 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.847 0.25 0.0$
 $lab^*tce 0.875 0.25 0.0$
 $lab^*nce 0.0 0.25 0.069$

relative Inform. Technology (IT)

 $olvi3^* 1.0 0.5 0.661 (1.0)$
 $cmY3^* 0.0 0.5 0.339 (0.0)$
 $olvi4^* 1.0 0.5 0.661 (1.0)$
 $cmY4^* 0.0 0.5 0.339 (0.0)$

standard and adapted CIELAB

 $LAB^*LAB 71.7 33.75 18.92$
 $LAB^*TCha 71.7 34.27 15.76$
 $LAB^*TCha 71.7 34.27 15.76$

relative CIELAB lab*

 $lab^*lab 0.694 0.454 0.209$
 $lab^*tch 0.75 0.5 0.069$
 $lab^*nch 0.0 0.5 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.694 0.5 0.0$
 $lab^*tce 0.75 0.5 0.0$
 $lab^*nce 0.0 0.5 0.069$

standard and adapted CIELAB

 $LAB^*LAB 71.7 33.75 18.92$
 $LAB^*TCha 71.7 34.27 15.76$
 $LAB^*TCha 71.7 34.27 15.76$

relative CIELAB lab*

 $lab^*lab 0.694 0.454 0.209$
 $lab^*tch 0.75 0.5 0.069$
 $lab^*nch 0.0 0.5 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.694 0.5 0.0$
 $lab^*tce 0.75 0.5 0.0$
 $lab^*nce 0.0 0.5 0.069$

standard and adapted CIELAB

 $LAB^*LAB 71.7 33.75 18.92$
 $LAB^*TCha 71.7 34.27 15.76$
 $LAB^*TCha 71.7 34.27 15.76$

relative CIELAB lab*

 $lab^*lab 0.694 0.454 0.209$
 $lab^*tch 0.75 0.5 0.069$
 $lab^*nch 0.0 0.5 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.694 0.5 0.0$
 $lab^*tce 0.75 0.5 0.0$
 $lab^*nce 0.0 0.5 0.069$

standard and adapted CIELAB

 $LAB^*LAB 71.7 33.75 18.92$
 $LAB^*TCha 71.7 34.27 15.76$
 $LAB^*TCha 71.7 34.27 15.76$

relative CIELAB lab*

 $lab^*lab 0.694 0.454 0.209$
 $lab^*tch 0.75 0.5 0.069$
 $lab^*nch 0.0 0.5 0.069$

relative Natural Colour (NC)

 $lab^*trj 0.694 0.5 0.0$
 $lab^*tce 0.75 0.5 0.0$
 $lab^*nce 0.0 0.5 0.069$

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

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

0,75

 $n^* = 0,00$

0,25

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

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

Eingabe: Farbmatisches Reflexions-System MRS18

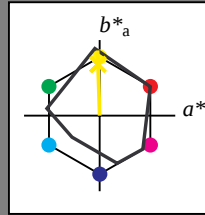
für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

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

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

Ausgabe: Farbmatisches Reflexions-System ORS18

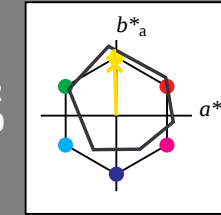
für Buntton $h^* = lab^*h = 92/360 = 0.255$ lab^*tch und lab^*nch

D65: Buntton J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit



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
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

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

1,00

0,75

 $n^* = 0,00$

0,25

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

UG450-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

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

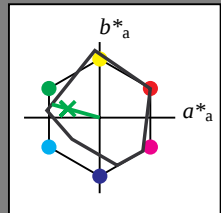
BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

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*TCh 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 (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*TCh 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* 0.5 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*TCh 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 (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*TCh 37.36 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 0.25 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 0.3 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCh 18.02 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 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 164/360 = 0.457 (rechts)

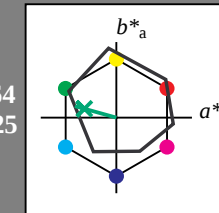
BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Ausgabe: 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
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

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

1,00

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 1.0
cmyn4* 0.25 0.0 0.188 0.0
standard and adapted CIELAB
LAB*LAB 84.75 -14.46 7.85
LAB*LABa 84.75 -13.69 3.81
LAB*TCh 84.75 14.22 164.46
relative CIELAB lab*
lab*lab 0.862 -0.24 0.067
lab*tch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*trj 0.862 -0.249 0.0
lab*tce 0.875 0.25 0.5
lab*nce 0.0 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.532 (1.0)
cmyn3* 0.5 0.25 0.438 (0.0)
olvi4* 0.75 1.0 0.812 0.75
cmyn4* 0.5 0.0 0.188 0.25
standard and adapted CIELAB
LAB*LAB 65.41 -14.1 6.35
LAB*LABa 65.41 -13.69 3.81
LAB*TCh 65.41 14.22 164.46
relative CIELAB lab*
lab*lab 0.5 0.75 0.532 (1.0)
lab*tch 0.5 0.25 0.438 (0.0)
lab*nch 0.75 1.0 0.812 0.75
lab*nch 0.5 0.0 0.188 0.25
relative Natural Colour (NC)
lab*trj 0.5 0.75 0.532 (1.0)
lab*tce 0.5 0.25 0.438 (0.0)
lab*nce 0.5 0.0 0.188 0.25

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.532 (1.0)
cmyn3* 0.75 0.25 0.438 (0.0)
olvi4* 0.5 1.0 0.623 0.75
cmyn4* 0.5 0.0 0.377 0.25
standard and adapted CIELAB
LAB*LAB 54.75 -27.6 9.64
LAB*LABa 54.75 -27.39 7.62
LAB*TCh 54.75 28.44 164.46
relative CIELAB lab*
lab*lab 0.475 -0.481 0.134
lab*tch 0.475 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.475 -0.489 0.0
lab*tce 0.475 0.5 0.5
lab*nce 0.5 0.5 0.998

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.532 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.5 1.0 0.623 0.5
cmyn4* 0.5 0.0 0.377 0.5
standard and adapted CIELAB
LAB*LAB 35.41 -27.22 8.34
LAB*LABa 35.41 -27.39 7.63
LAB*TCh 35.41 28.44 164.45
relative CIELAB lab*
lab*lab 0.225 -0.481 0.134
lab*tch 0.25 0.5 0.457
lab*nch 0.5 0.5 0.457
relative Natural Colour (NC)
lab*trj 0.225 -0.489 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 0.998

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 0.3 -0.46
LAB*LABa 18.02 0.0 0.0
LAB*TCh 18.02 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 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 164/360 = 0.457 (rechts)

BAM-Prüfvorlage UG45; Farbmatrik-Systeme ORS18 & ORS18input: *cmY0* setcmykcolor*D65: 5stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: *Startup (S) data dependend*

Eingabe: Farbmatisches Reflexions-System MRS18

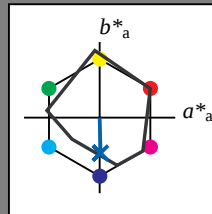
für Buntton $h^* = lab^*h = 271/360 = 0.754$ lab^*tch und lab^*nch

D65: Buntton B

LCH*Ma: 40 50 271

rgb*Ma: 0.0 0.37 1.0

Dreiecks-Helligkeit



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

0,50

0,25

0,00

n* = 0,00

n* = 0,25

n* = 0,50

n* = 1,00

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	1.0	0.0	0.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0	0.0
olvi5*	0.0	0.0	1.0	0.0	0.0
olvi6*	0.0	0.0	0.0	1.0	0.0
olvi7*	0.0	0.0	0.0	0.0	1.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
olvi5*	0.0	0.0	0.0	0.0	0.0
olvi6*	0.0	0.0	0.0	0.0	0.0
olvi7*	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)	olvi3*	olvi4*	olvi5*	olvi6*	olvi7*
olvi3*	0.75	0.75	0.75	0.75	0.75
olvi4*	0.25	0.25	0.25	0.25	0.25
ol					