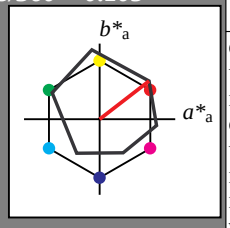
Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 38/360 = 0.105**
lab*tch* and *lab*nch

D65: hue O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

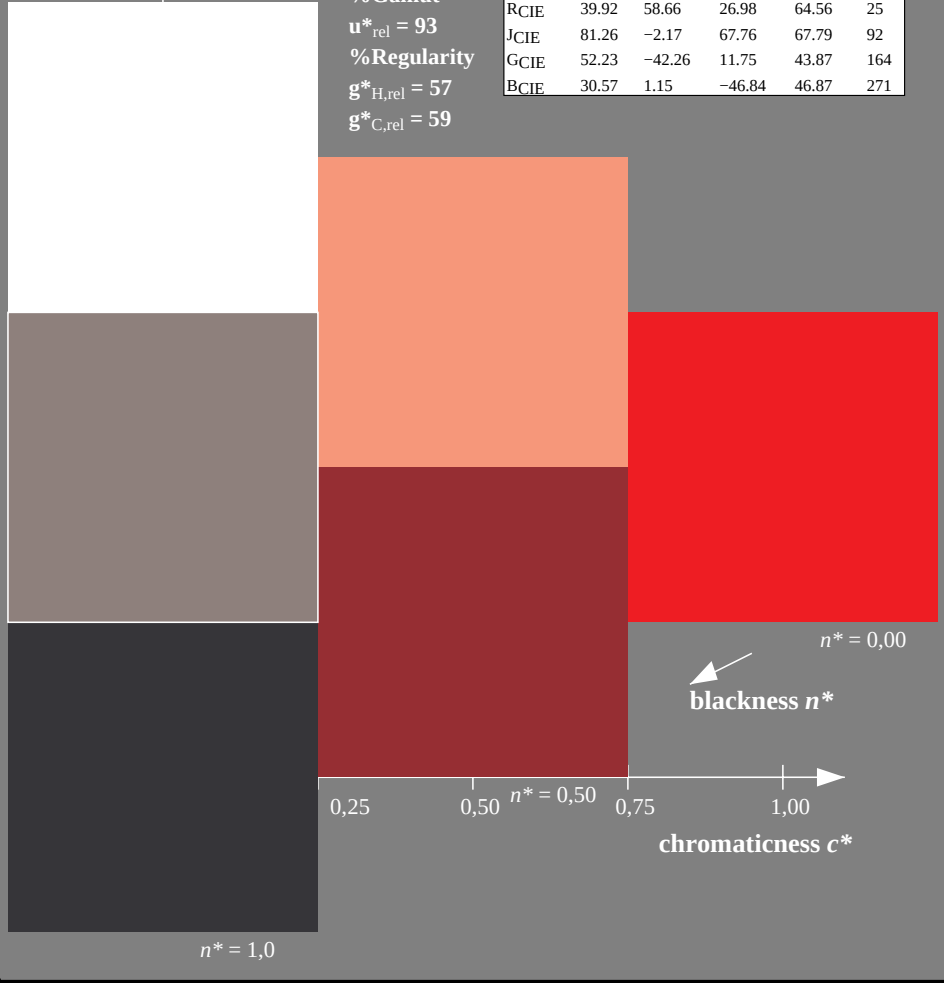
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

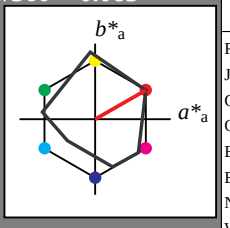
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 30/360 = 0.083**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 50 77 30
olv*Ma: 1.0 0.0 0.0

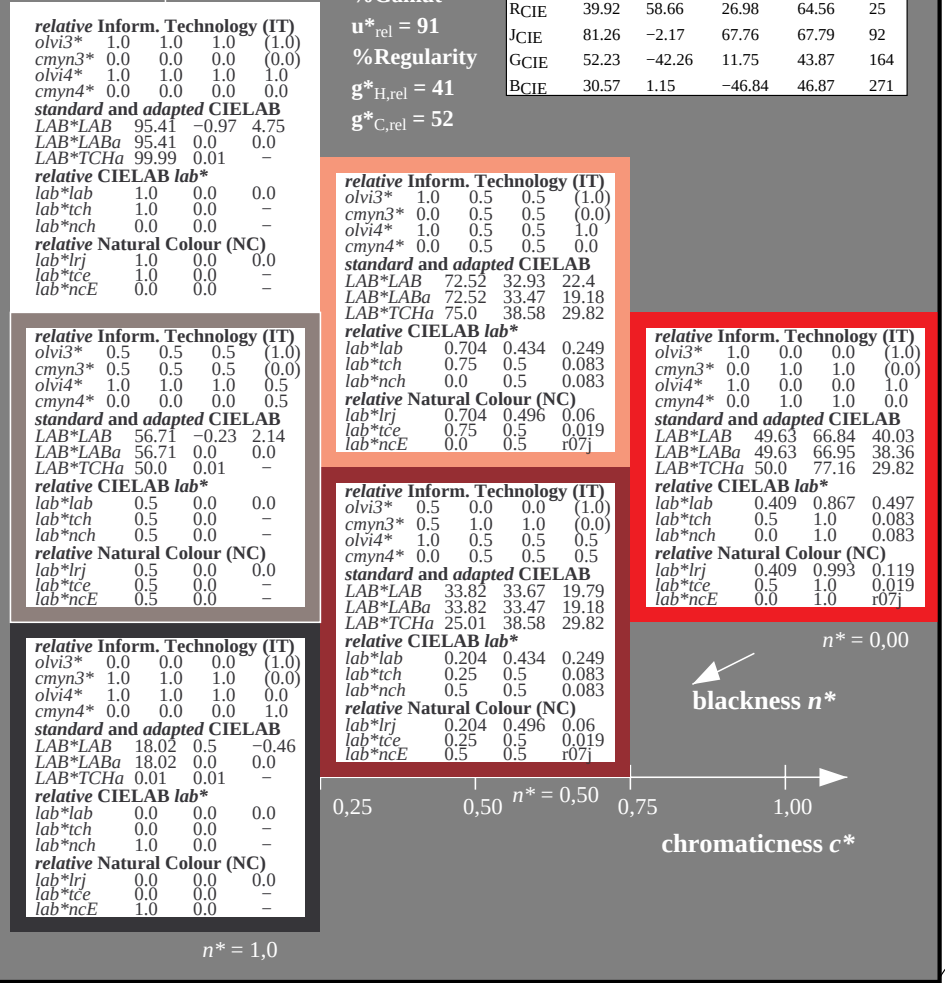
triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52



UE000−7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)
3 step scales for constant CIELAB hue 30/360 = 0.083 (right)

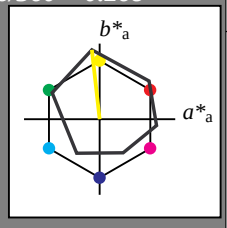
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 96/360 = 0.268**
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 90 92 96
olv*Ma: 1.0 1.0 0.0

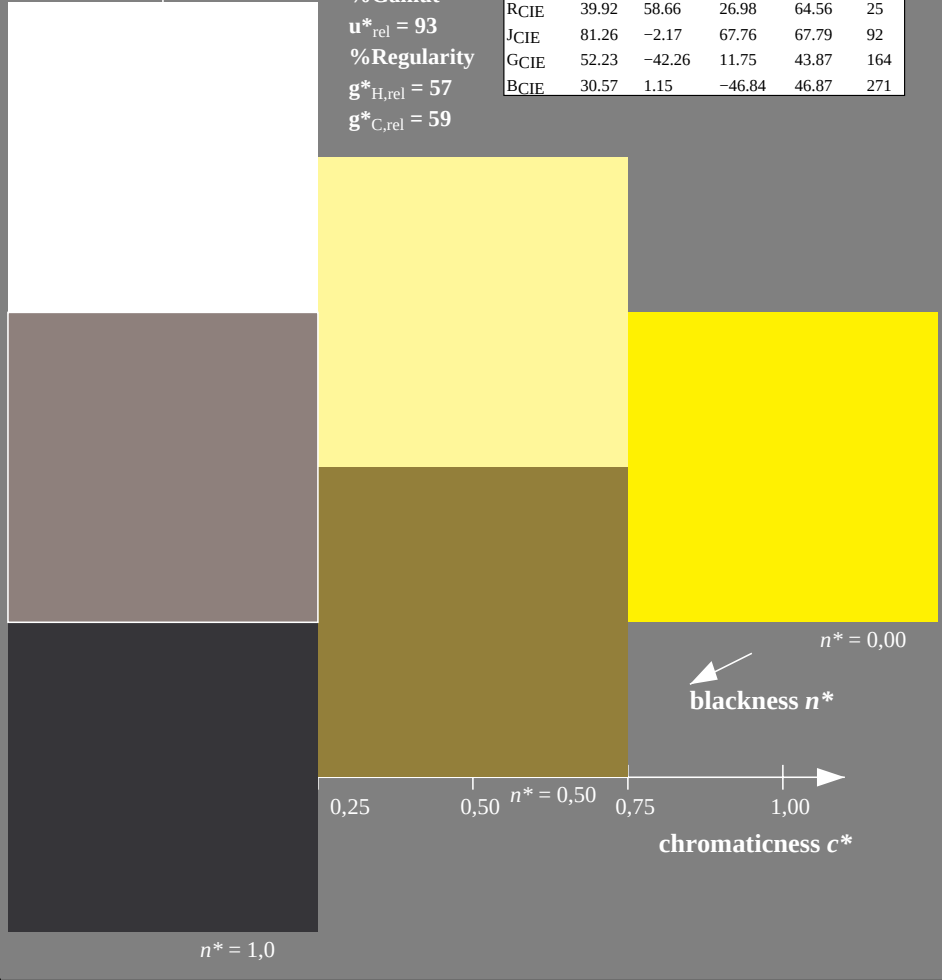
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

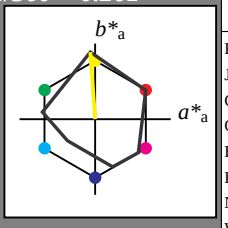
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 94/360 = 0.261**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 91 89 94
olv*Ma: 1.0 1.0 0.0

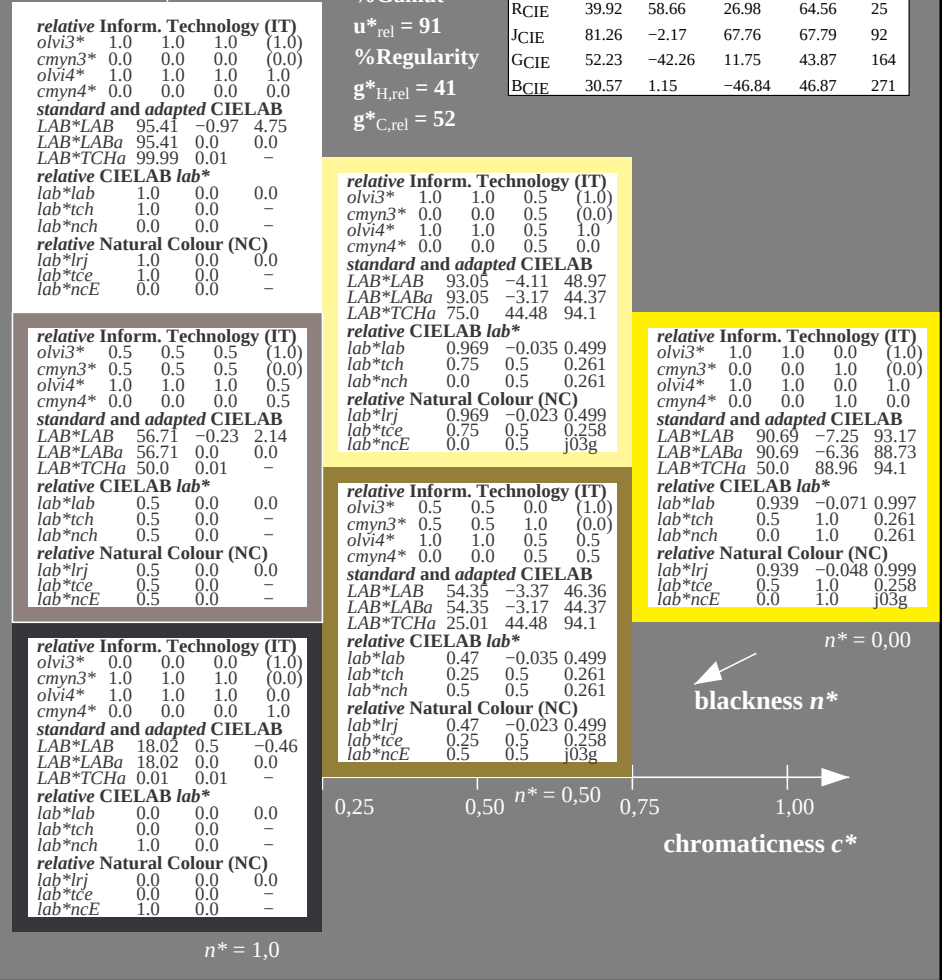
triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52



UE000−7, 3 step scales for constant CIELAB hue 96/360 = 0.268 (left)

3 step scales for constant CIELAB hue 94/360 = 0.261 (right)

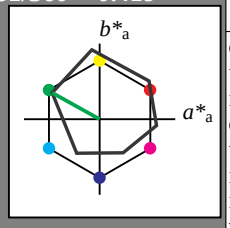
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h* = lab*h = 151/360 = 0.419*
*lab*tch* and *lab*nch*

D65: hue L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



ORS18; adapted (a) CIELAB data

	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

%Gamut
u*rel = 93
%Regularity
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*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0 (1.0)
*cmyn3**	1.0	1.0	1.0 (0.0)
*olvi4**	1.0	1.0	1.0 0.0
*cmyn4**	0.0	0.0	0.0 1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

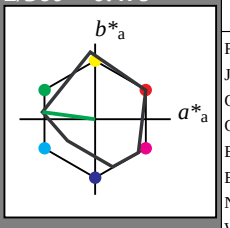
*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

n = 0,00*
blackness *n**
0,25 0,50 *n* = 0,50* 0,75 1,00
chromaticness *c**
n = 1,0*

Output: Colorimetric Reflective System MRS18
for hue *h* = lab*h = 172/360 = 0.479*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 52 70 172
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



MRS18; adapted (a) CIELAB data

	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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	73.75	−35.42	8.02
*LAB*LABa*	73.75	−34.85	4.72
*LAB*TCHa*	75.0	35.18	172.29

relative* CIELAB *lab*

*lab*lab*	0.72	−0.494	0.067
*lab*tch*	0.75	0.5	0.479
*lab*nch*	0.0	0.5	0.479

***relative* Natural Colour (NC)**

*lab*lrj*	0.72	−0.496	−0.056
*lab*tce*	0.75	0.5	0.518
*lab*ncE*	0.0	0.5	g07b

***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	−34.67	5.41
*LAB*LABa*	35.06	−34.85	4.72
*LAB*TCHa*	25.01	35.18	172.29

relative* CIELAB *lab*

*lab*lab*	0.22	−0.494	0.067
*lab*tch*	0.25	0.5	0.479
*lab*nch*	0.5	0.5	0.479

***relative* Natural Colour (NC)**

*lab*lrj*	0.22	−0.496	−0.056
*lab*tce*	0.25	0.5	0.518
*lab*ncE*	0.5	0.5	g07b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.0 (1.0)
*cmyn3**	1.0	0.0	1.0 (0.0)
*olvi4**	0.0	1.0	0.0 1.0
*cmyn4**	1.0	0.0	1.0 0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	52.11	−69.86	11.28
*LAB*LABa*	52.11	−69.71	9.44
*LAB*TCHa*	50.0	70.36	172.29

relative* CIELAB *lab*

*lab*lab*	0.441	−0.99	0.134
*lab*tch*	0.5	1.0	0.479
*lab*nch*	0.0	1.0	0.479

***relative* Natural Colour (NC)**

*lab*lrj*	0.441	−0.992	−0.114
*lab*tce*	0.5	1.0	0.518
*lab*ncE*	0.0	1.0	g07b

n = 0,00*
blackness *n**
0,25 0,50 *n* = 0,50* 0,75 1,00
chromaticness *c**
n = 1,0*

UE000−7, 3 step scales for constant CIELAB hue 151/360 = 0.419 (left)
3 step scales for constant CIELAB hue 172/360 = 0.479 (right)

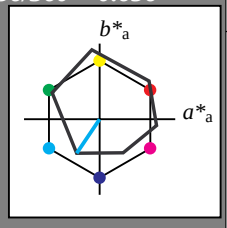
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 236/360 = 0.656**
lab*tch* and *lab*nch

D65: hue C
LCH*Ma: 59 54 236
olv*Ma: 0.0 1.0 1.0

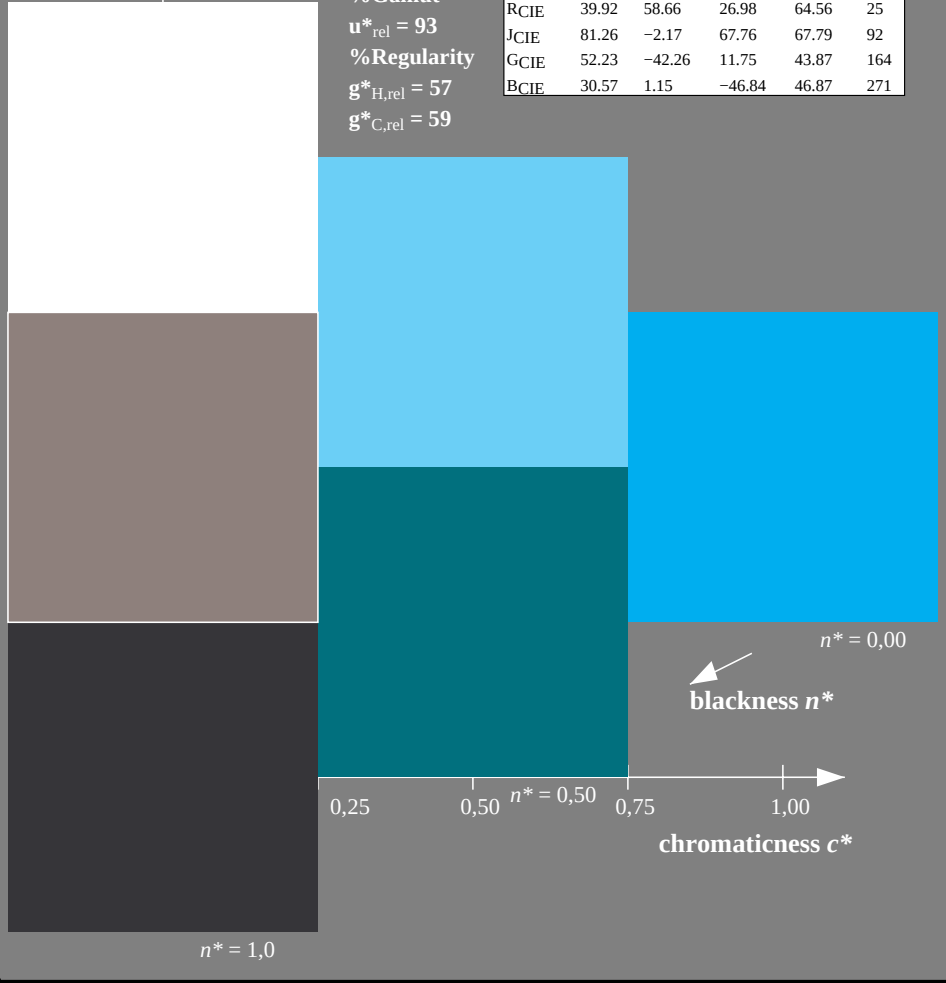
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

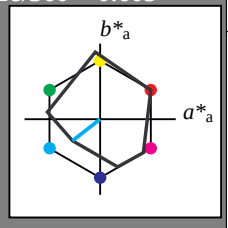
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 218/360 = 0.605**
lab*tch* and *lab*nch

D65: hue G50B
LCH*Ma: 45 46 218
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	95.41	−0.97	4.75
*LAB*LABa*	95.41	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	70.21	−18.77	−11.17
*LAB*LABa*	70.21	−18.27	−14.23
*LAB*TCHa*	75.0	23.17	217.91

relative* CIELAB *lab*

*lab*lab*	0.674	−0.393	−0.306
*lab*tch*	0.75	0.5	0.605
*lab*nch*	0.0	0.5	0.605

***relative* Natural Colour (NC)**

*lab*lrj*	0.674	−0.353	−0.352
*lab*tce*	0.75	0.5	0.625
*lab*ncE*	0.0	0.5	g49b

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	31.52	−18.03	−13.78
*LAB*LABa*	31.52	−18.27	−14.23
*LAB*TCHa*	25.01	23.17	217.91

relative* CIELAB *lab*

*lab*lab*	0.175	−0.393	−0.306
*lab*tch*	0.25	0.5	0.605
*lab*nch*	0.5	0.5	0.605

***relative* Natural Colour (NC)**

*lab*lrj*	0.175	−0.353	−0.352
*lab*tce*	0.25	0.5	0.625
*lab*ncE*	0.5	0.5	g49b

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	1.0	0.0	0.0	(0.0)
*olvi4**	0.0	1.0	1.0	1.0
*cmyn4**	1.0	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

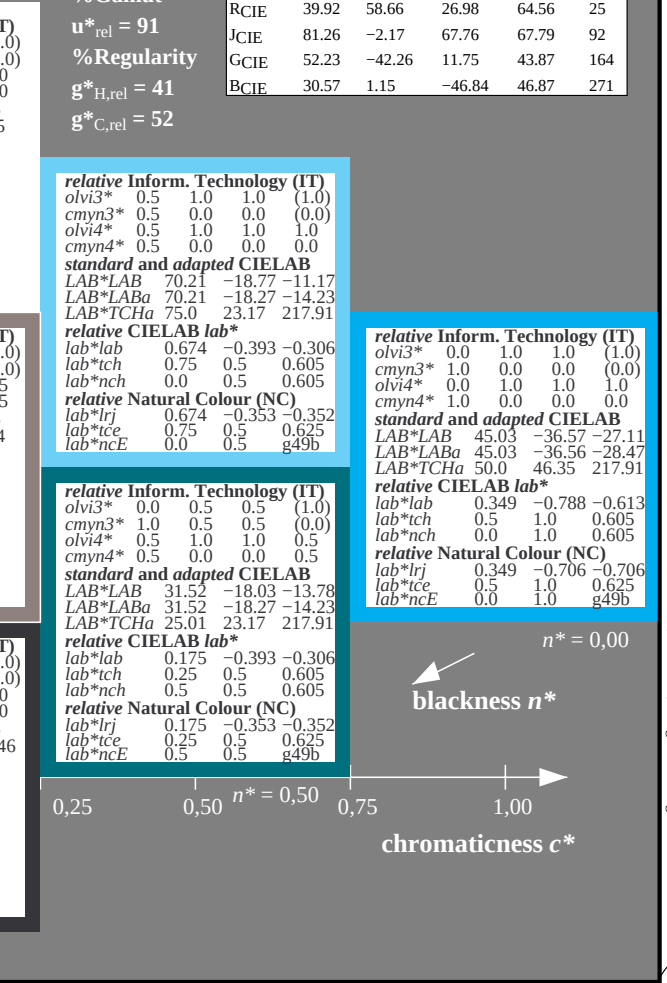
*LAB*LAB*	45.03	−36.57	−27.11
*LAB*LABa*	45.03	−36.56	−28.47
*LAB*TCHa*	50.0	46.35	217.91

relative* CIELAB *lab*

*lab*lab*	0.349	−0.788	−0.613
*lab*tch*	0.5	1.0	0.605
*lab*nch*	0.0	1.0	0.605

***relative* Natural Colour (NC)**

*lab*lrj*	0.349	−0.706	−0.706
*lab*tce*	0.5	1.0	0.625
*lab*ncE*	0.0	1.0	g49b



UE000−7, 3 step scales for constant CIELAB hue 236/360 = 0.656 (left)
3 step scales for constant CIELAB hue 218/360 = 0.605 (right)

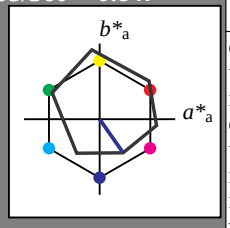
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 305/360 = 0.847**
lab*tch* and *lab*nch

D65: hue V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0

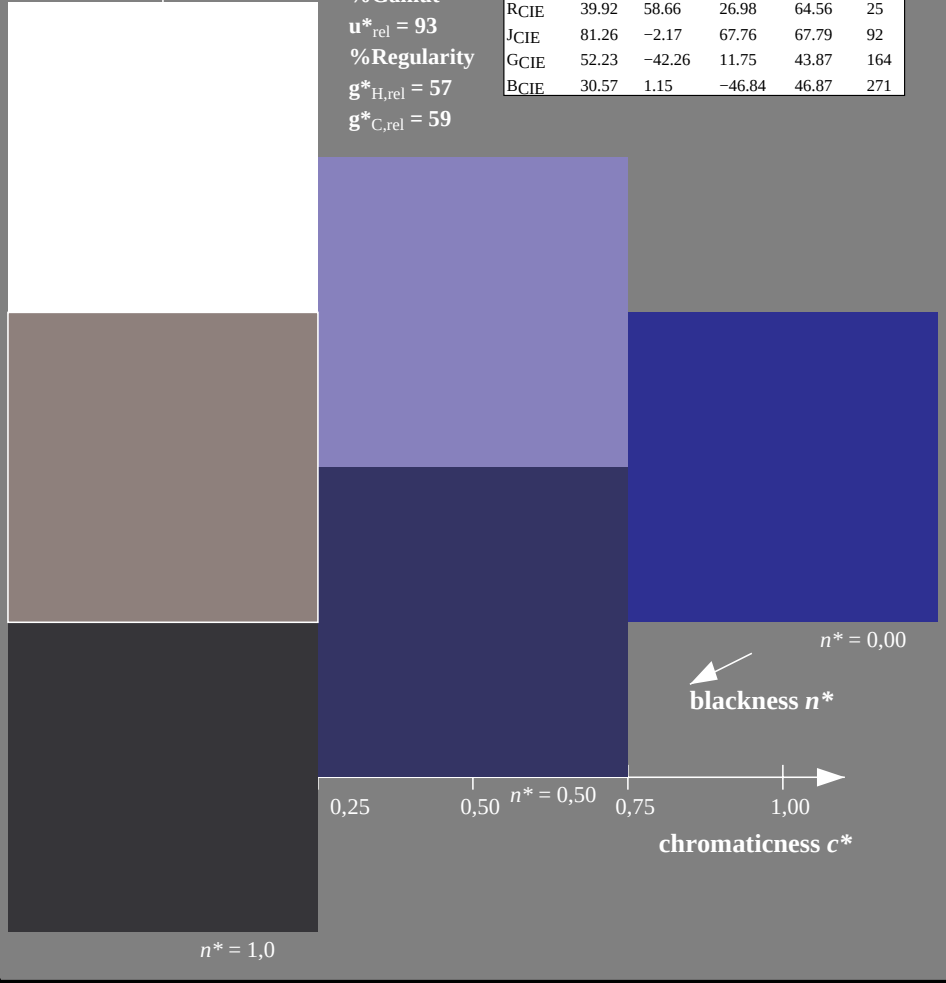
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

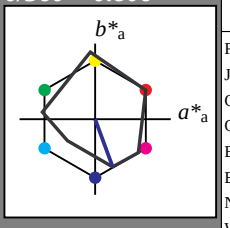
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 290/360 = 0.806**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 37 67 290
olv*Ma: 0.0 0.0 1.0

triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52

***relative* Inform. Technology (IT)**			
*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	95.41	−0.97	4.75
*LAB*LABa*	95.41	0.0	0.0
*LAB*TCHa*	99.99	0.01	–
relative* CIELAB *lab*			
*lab*lab*	1.0	0.0	0.0
*lab*tch*	1.0	0.0	–
*lab*nch*	0.0	0.0	–
***relative* Natural Colour (NC)**			
*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

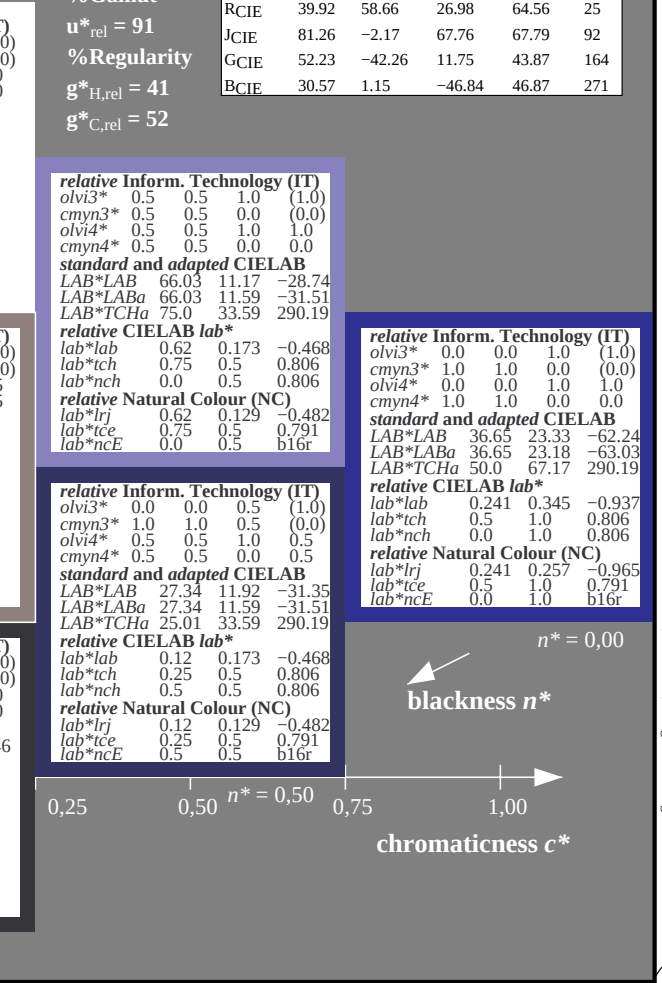
***relative* Inform. Technology (IT)**			
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**			
*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–
relative* CIELAB *lab*			
*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–
***relative* Natural Colour (NC)**			
*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**			
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–
relative* CIELAB *lab*			
*lab*lab*	0.0	0.0	0.0
*lab*tch*	0.0	0.0	–
*lab*nch*	1.0	0.0	–
***relative* Natural Colour (NC)**			
*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**			
*olvi3**	0.5	0.5	1.0	(1.0)
*cmyn3**	0.5	0.5	0.0	(0.0)
*olvi4**	0.5	0.5	1.0	1.0
*cmyn4**	0.5	0.5	0.0	0.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	66.03	11.17	−28.74
*LAB*LABa*	66.03	11.59	−31.51
*LAB*TCHa*	75.0	33.59	290.19
relative* CIELAB *lab*			
*lab*lab*	0.62	0.173	−0.468
*lab*tch*	0.75	0.5	0.806
*lab*nch*	0.0	0.5	0.806
***relative* Natural Colour (NC)**			
*lab*lrj*	0.62	0.129	−0.482
*lab*tce*	0.75	0.5	0.791
*lab*ncE*	0.0	0.5	b16r

***relative* Inform. Technology (IT)**			
*olvi3**	0.0	0.0	0.5	(1.0)
*cmyn3**	1.0	1.0	0.5	(0.0)
*olvi4**	0.5	0.5	1.0	0.5
*cmyn4**	0.5	0.5	0.0	0.5
***standard* and *adapted* CIELAB**			
*LAB*LAB*	27.34	11.92	−31.35
*LAB*LABa*	27.34	11.59	−31.51
*LAB*TCHa*	25.01	33.59	290.19
relative* CIELAB *lab*			
*lab*lab*	0.12	0.173	−0.468
*lab*tch*	0.25	0.5	0.806
*lab*nch*	0.5	0.5	0.806
***relative* Natural Colour (NC)**			
*lab*lrj*	0.12	0.129	−0.482
*lab*tce*	0.25	0.5	0.791
*lab*ncE*	0.5	0.5	b16r

***relative* Inform. Technology (IT)**			
*olvi3**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
*olvi4**	0.0	0.0	1.0	1.0
*cmyn4**	1.0	1.0	0.0	0.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	36.65	23.33	−62.24
*LAB*LABa*	36.65	23.18	−63.03
*LAB*TCHa*	50.0	67.17	290.19
relative* CIELAB *lab*			
*lab*lab*	0.241	0.345	−0.937
*lab*tch*	0.5	1.0	0.806
*lab*nch*	0.0	1.0	0.806
***relative* Natural Colour (NC)**			
*lab*lrj*	0.241	0.257	−0.965
*lab*tce*	0.5	1.0	0.791
*lab*ncE*	0.0	1.0	b16r



UE000−7, 3 step scales for constant CIELAB hue 305/360 = 0.847 (left)
3 step scales for constant CIELAB hue 290/360 = 0.806 (right)

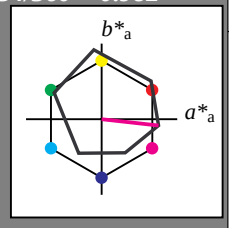
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 354/360 = 0.982**
lab*tch* and *lab*nch

D65: hue M
LCH*Ma: 48 76 354
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



ORS18; adapted (a) CIELAB data

	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

%Gamut
u*rel = 93
%Regularity
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*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

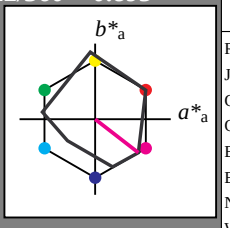
*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

*n** = 0,00
blackness *n**
0,25 0,50 *n** = 0,50 0,75 1,00
chromaticness *c**
*n** = 1,0

Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 322/360 = 0.895**
lab*tch* and *lab*nch

D65: hue B50R
LCH*Ma: 35 72 322
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



MRS18; adapted (a) CIELAB data

	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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52

***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*	65.17	28.18	−19.4
*LAB*LABa*	65.17	28.58	−22.12
*LAB*TCHa*	75.0	36.15	322.25

relative* CIELAB *lab*

*lab*lab*	0.609	0.395	−0.305
*lab*tch*	0.75	0.5	0.895
*lab*nch*	0.0	0.5	0.895

***relative* Natural Colour (NC)**

*lab*lrj*	0.609	0.324	−0.38
*lab*tce*	0.75	0.5	0.862
*lab*ncE*	0.0	0.5	b44r

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	26.48	28.92	−22.01
*LAB*LABa*	26.48	28.58	−22.12
*LAB*TCHa*	25.01	36.15	322.25

relative* CIELAB *lab*

*lab*lab*	0.109	0.395	−0.305
*lab*tch*	0.25	0.5	0.895
*lab*nch*	0.5	0.5	0.895

***relative* Natural Colour (NC)**

*lab*lrj*	0.109	0.324	−0.38
*lab*tce*	0.25	0.5	0.862
*lab*ncE*	0.5	0.5	b44r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0	(1.0)
*cmyn3**	0.0	1.0	0.0	(0.0)
*olvi4**	1.0	0.0	1.0	1.0
*cmyn4**	0.0	1.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	34.95	57.34	−43.57
*LAB*LABa*	34.95	57.16	−44.25
*LAB*TCHa*	50.0	72.29	322.25

relative* CIELAB *lab*

*lab*lab*	0.219	0.791	−0.611
*lab*tch*	0.5	1.0	0.895
*lab*nch*	0.0	1.0	0.895

***relative* Natural Colour (NC)**

*lab*lrj*	0.219	0.648	−0.76
*lab*tce*	0.5	1.0	0.862
*lab*ncE*	0.0	1.0	b44r

*n** = 0,00
blackness *n**
0,25 0,50 *n** = 0,50 0,75 1,00
chromaticness *c**
*n** = 1,0

UE000−7, 3 step scales for constant CIELAB hue 354/360 = 0.982 (left)
3 step scales for constant CIELAB hue 322/360 = 0.895 (right)

BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues
input: *cmy0* setcmykcolor*
output: *no change compared to input*

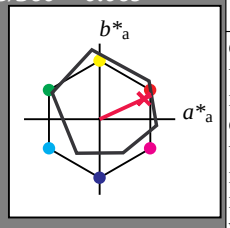
See for similar files: http://www.ps.bam.de/UE00/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0

BAM registration: 20060101-UE00/10S/S00E05NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems
/UE00/ Form: 6/10, Serie: 1/1, Page: 6 Page: count: 6

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 25/360 = 0.069**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 48 75 25
olv*Ma: 1.0 0.0 0.32

triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

%Gamut
u*rel = 93
%Regularity
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*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0 (1.0)
*cmyn3**	1.0	1.0	1.0 (0.0)
*olvi4**	1.0	1.0	1.0 0.0
*cmyn4**	0.0	0.0	0.0 1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

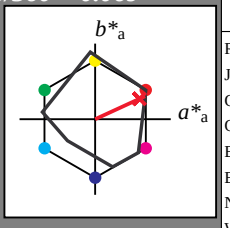
*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

*n** = 0,00
blackness *n**
0,25 0,50 *n** = 0,50 0,75 1,00
chromaticness *c**
*n** = 1,0

Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 25/360 = 0.069**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 48 73 25
olv*Ma: 1.0 0.0 0.1

triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52

***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	1.0 (1.0)
*cmyn3**	0.0	0.0	0.0 (0.0)
*olvi4**	1.0	1.0	1.0 1.0
*cmyn4**	0.0	0.0	0.0 0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	95.41	−0.97	4.75
*LAB*LABa*	95.41	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	0.0 (1.0)
*cmyn3**	1.0	1.0	1.0 (0.0)
*olvi4**	1.0	1.0	1.0 0.0
*cmyn4**	0.0	0.0	0.0 1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.5	0.548 (1.0)
*cmyn3**	0.0	0.5	0.452 (0.0)
*olvi4**	1.0	0.5	0.549 1.0
*cmyn4**	0.0	0.5	0.451 0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	71.8	32.47	18.34
*LAB*LABa*	71.8	33.0	15.17
*LAB*TCHa*	75.0	36.32	24.7

relative* CIELAB *lab*

*lab*lab*	0.695	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*lrj*	0.695	0.5	0.0
*lab*tce*	0.75	0.5	1.0
*lab*ncE*	0.0	0.5	b99r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.048 (1.0)
*cmyn3**	0.5	1.0	0.952 (0.0)
*olvi4**	1.0	0.5	0.548 0.5
*cmyn4**	0.0	0.5	0.452 0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	33.11	33.21	15.74
*LAB*LABa*	33.11	33.0	15.18
*LAB*TCHa*	25.01	36.33	24.71

relative* CIELAB *lab*

*lab*lab*	0.195	0.454	0.209
*lab*tch*	0.25	0.5	0.069
*lab*nch*	0.5	0.5	0.069

***relative* Natural Colour (NC)**

*lab*lrj*	0.195	0.5	0.0
*lab*tce*	0.25	0.5	0.0
*lab*ncE*	0.5	0.5	r00j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	0.097 (1.0)
*cmyn3**	0.0	1.0	0.903 (0.0)
*olvi4**	1.0	0.0	0.097 1.0
*cmyn4**	0.0	1.0	0.903 0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	48.21	65.92	31.93
*LAB*LABa*	48.21	66.0	30.36
*LAB*TCHa*	50.0	72.65	24.7

relative* CIELAB *lab*

*lab*lab*	0.39	0.908	0.418
*lab*tch*	0.5	1.0	0.069
*lab*nch*	0.0	1.0	0.069

***relative* Natural Colour (NC)**

*lab*lrj*	0.39	1.0	0.0
*lab*tce*	0.5	1.0	0.0
*lab*ncE*	0.0	1.0	r00j

*n** = 0,00
blackness *n**
0,25 0,50 *n** = 0,50 0,75 1,00
chromaticness *c**
*n** = 1,0

UE000−7, 3 step scales for constant CIELAB hue 25/360 = 0.069 (left)
3 step scales for constant CIELAB hue 25/360 = 0.069 (right)

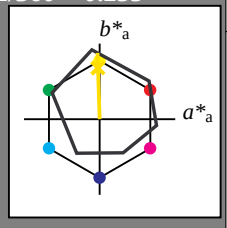
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 92/360 = 0.255**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

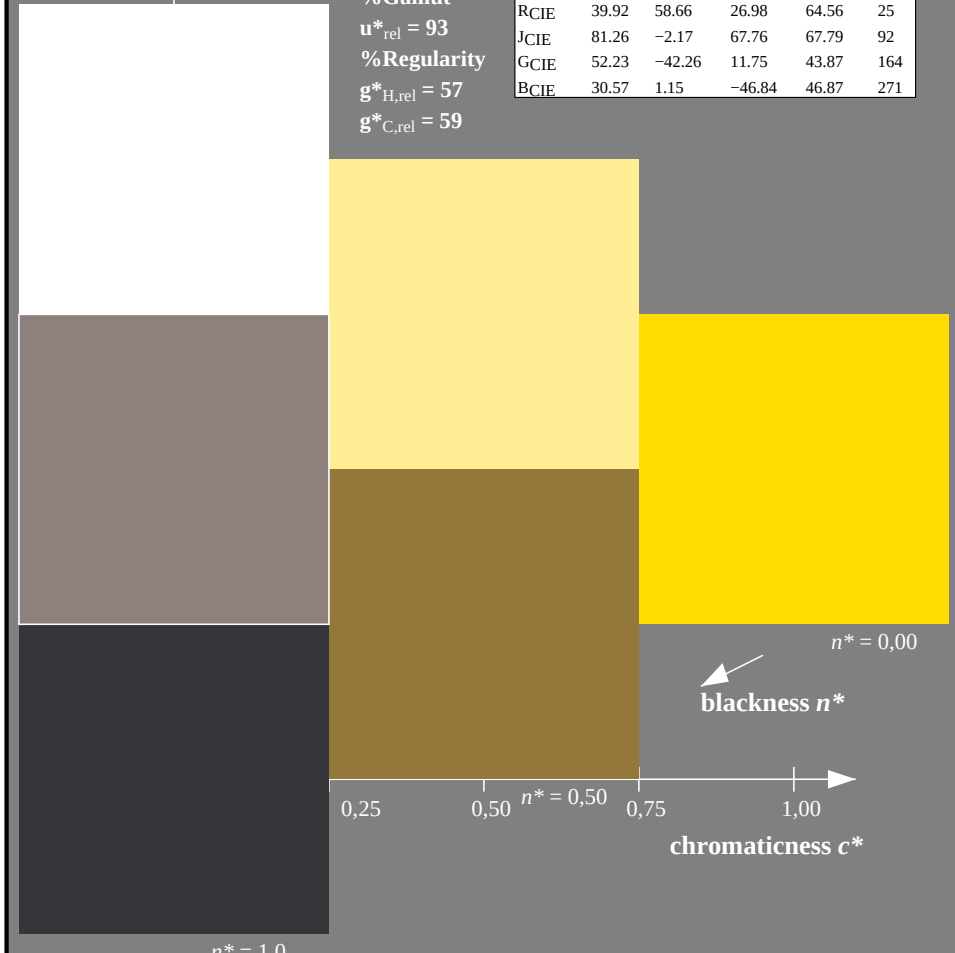
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

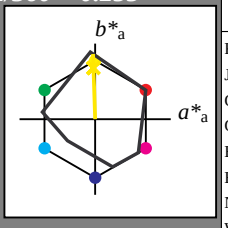
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 92/360 = 0.255**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 89 86 92
olv*Ma: 1.0 0.95 0.0

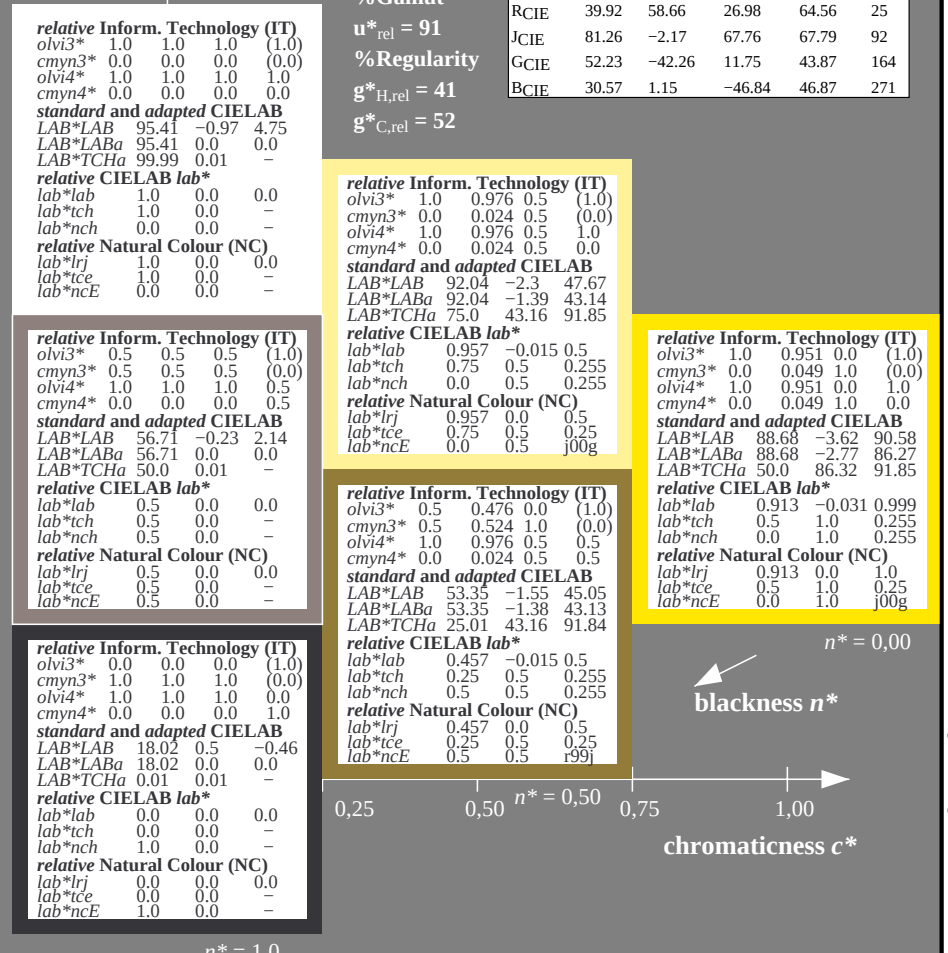
triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52



UE000−7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)

3 step scales for constant CIELAB hue 92/360 = 0.255 (right)

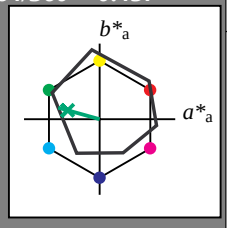
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h* = lab*h = 164/360 = 0.457*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

triangle lightness *t**



ORS18; adapted (a) CIELAB data

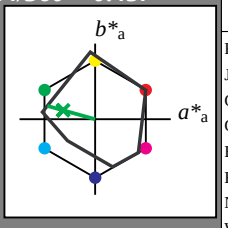
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	−10.27	91.77	92.34	96
LMa	50.9	−62.79	34.95	71.87	151
CMa	58.62	−30.35	−45.01	54.3	236
VMa	25.71	31.11	−44.42	54.24	305
MMa	48.13	75.27	−8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
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

%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59

Output: Colorimetric Reflective System MRS18
for hue *h* = lab*h = 164/360 = 0.457*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 56 66 164
olv*Ma: 0.1 1.0 0.0

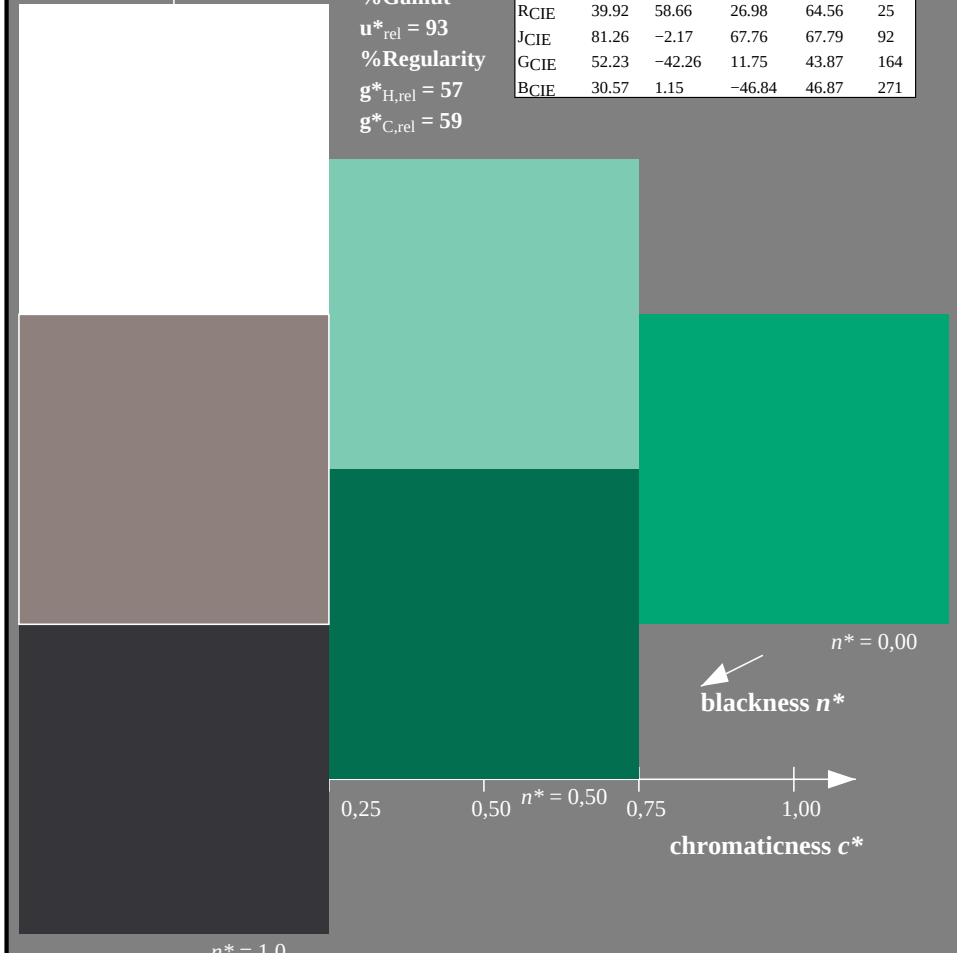
triangle lightness *t**

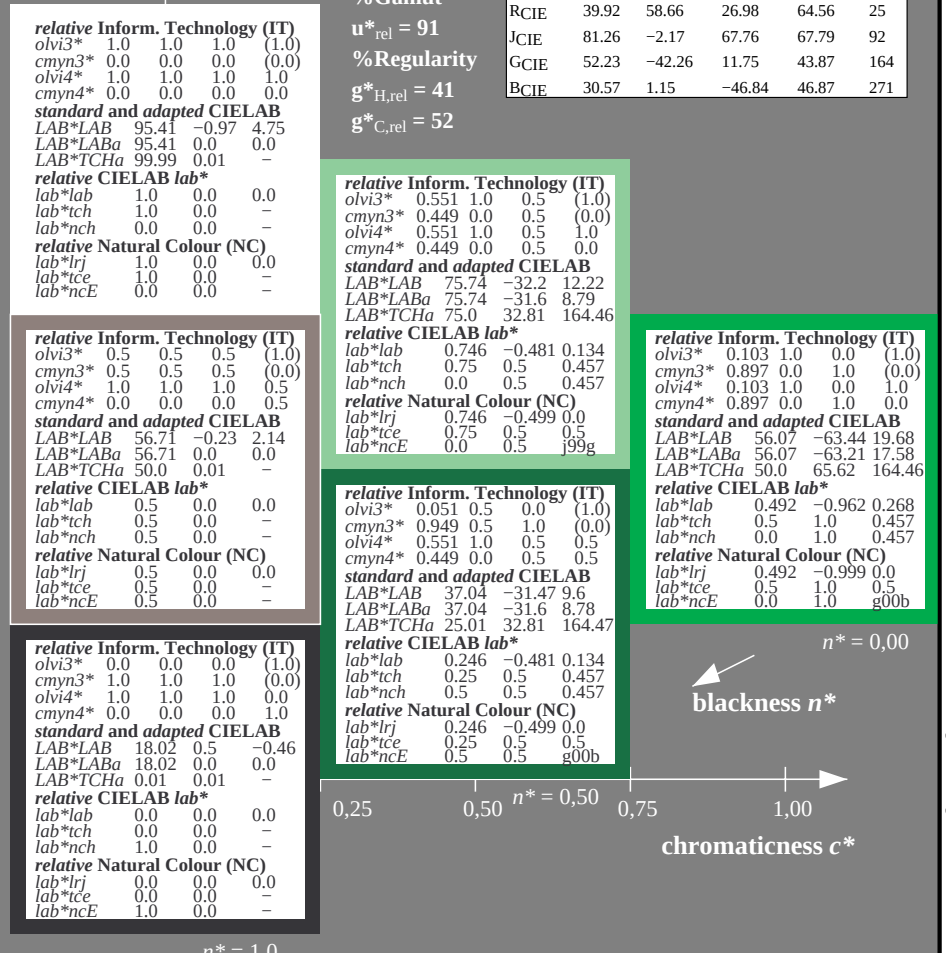


MRS18; adapted (a) CIELAB data

	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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52





***relative* Inform. Technology (IT)**

*olvi3**	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	95.41	−0.97	4.75
*LAB*LABa*	95.41	0.0	0.0
*LAB*TCHa*	99.99	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	1.0	0.0	0.0
*lab*tce*	1.0	0.0	–
*lab*ncE*	0.0	0.0	–

***relative* Inform. Technology (IT)**

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

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.71	−0.23	2.14
*LAB*LABa*	56.71	0.0	0.0
*LAB*TCHa*	50.0	0.01	–

relative* CIELAB *lab*

*lab*lab*	0.5	0.0	0.0
*lab*tch*	0.5	0.0	–
*lab*nch*	0.5	0.0	–

***relative* Natural Colour (NC)**

*lab*lrj*	0.5	0.0	0.0
*lab*tce*	0.5	0.0	–
*lab*ncE*	0.5	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	0.0
*cmyn4**	0.0	0.0	1.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	18.02	0.5	−0.46
*LAB*LABa*	18.02	0.0	0.0
*LAB*TCHa*	0.01	0.01	–

relative* CIELAB *lab*

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

***relative* Natural Colour (NC)**

*lab*lrj*	0.0	0.0	0.0
*lab*tce*	0.0	0.0	–
*lab*ncE*	1.0	0.0	–

***relative* Inform. Technology (IT)**

*olvi3**	0.551	1.0	0.5	(1.0)
*cmyn3**	0.449	0.0	0.5	(0.0)
*olvi4**	0.551	1.0	0.5	1.0
*cmyn4**	0.449	0.0	0.5	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	75.74	−32.2	12.22
*LAB*LABa*	75.74	−31.6	8.79
*LAB*TCHa*	75.0	32.81	164.46

relative* CIELAB *lab*

*lab*lab*	0.746	−0.481	0.134
*lab*tch*	0.75	0.5	0.457
*lab*nch*	0.0	0.5	0.457

***relative* Natural Colour (NC)**

*lab*lrj*	0.746	−0.499	0.0
*lab*tce*	0.75	0.5	0.5
*lab*ncE*	0.0	0.5	j99g

***relative* Inform. Technology (IT)**

*olvi3**	0.051	0.5	0.0	(1.0)
*cmyn3**	0.949	0.5	1.0	(0.0)
*olvi4**	0.551	1.0	0.5	0.5
*cmyn4**	0.449	0.0	0.5	0.5

***standard* and *adapted* CIELAB**

*LAB*LAB*	37.04	−31.47	9.6
*LAB*LABa*	37.04	−31.6	8.78
*LAB*TCHa*	25.01	32.81	164.47

relative* CIELAB *lab*

*lab*lab*	0.246	−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*lrj*	0.246	−0.499	0.0
*lab*tce*	0.25	0.5	0.5
*lab*ncE*	0.5	0.5	g00b

***relative* Inform. Technology (IT)**

*olvi3**	0.103	1.0	0.0	(1.0)
*cmyn3**	0.897	0.0	1.0	(0.0)
*olvi4**	0.103	1.0	0.0	1.0
*cmyn4**	0.897	0.0	1.0	0.0

***standard* and *adapted* CIELAB**

*LAB*LAB*	56.07	−63.44	19.68
*LAB*LABa*	56.07	−63.21	17.58
*LAB*TCHa*	50.0	65.62	164.46

relative* CIELAB *lab*

*lab*lab*	0.492	−0.962	0.268
*lab*tch*	0.5	1.0	0.457
*lab*nch*	0.0	1.0	0.457

***relative* Natural Colour (NC)**

*lab*lrj*	0.492	−0.999	0.0
*lab*tce*	0.5	1.0	0.5
*lab*ncE*	0.0	1.0	g00b

UE000−7, 3 step scales for constant CIELAB hue 164/360 = 0.457 (left)

3 step scales for constant CIELAB hue 164/360 = 0.457 (right)

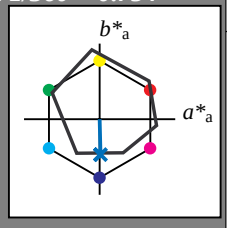
BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*

Input: Colorimetric Reflective System ORS18
for hue *h = *lab*h* = 271/360 = 0.754**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 42 45 271
olv*Ma: 0.0 0.49 1.0

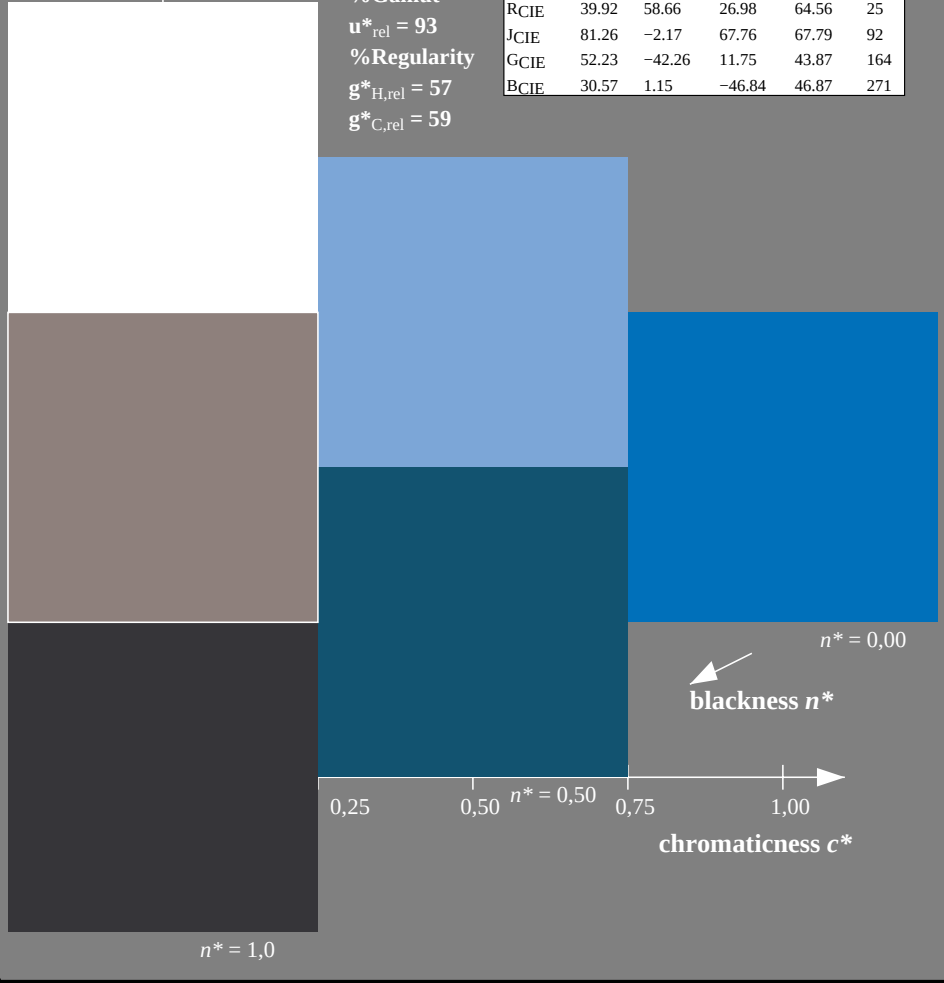
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*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

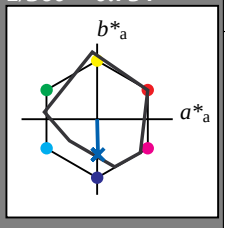
%Gamut
u*rel = 93
%Regularity
g*H,rel = 57
g*C,rel = 59



Output: Colorimetric Reflective System MRS18
for hue *h = *lab*h* = 271/360 = 0.754**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 40 50 271
olv*Ma: 0.0 0.37 1.0

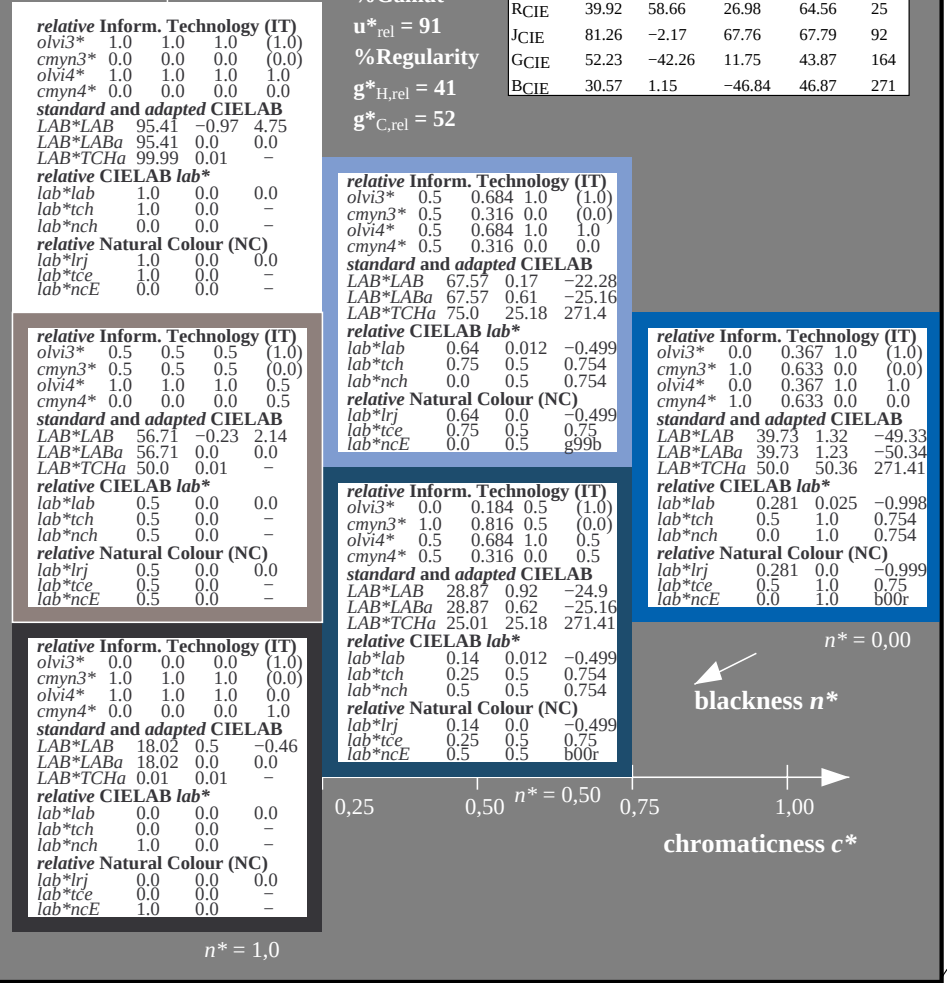
triangle lightness *t**



MRS18; adapted (a) CIELAB data

	*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
G50BMa	45.03	−36.57	−28.47	46.36	218
BMa	36.65	23.19	−63.05	67.18	290
B50RMa	34.94	57.17	−44.26	72.31	322
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

%Gamut
u*rel = 91
%Regularity
g*H,rel = 41
g*C,rel = 52



UE000−7, 3 step scales for constant CIELAB hue 271/360 = 0.754 (left)

3 step scales for constant CIELAB hue 271/360 = 0.754 (right)

BAM-test chart UE00; Colorimetric systems ORS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *no change compared to input*