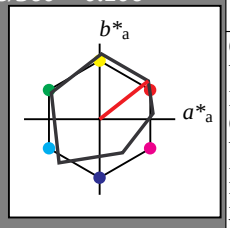
Input: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 38/360 = 0.106**
lab*tch* and *lab*nch

A: hue O
LCH*Ma: 48 82 38
olv*Ma: 1.0 0.0 0.0

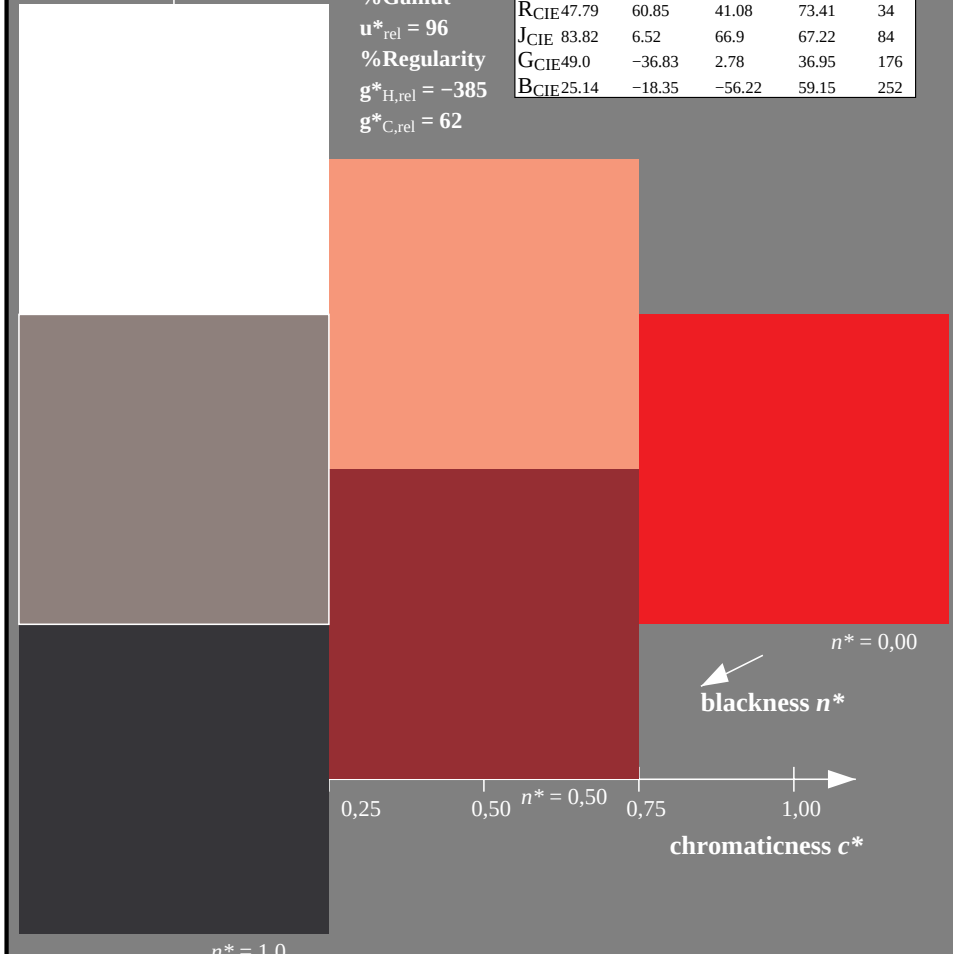
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

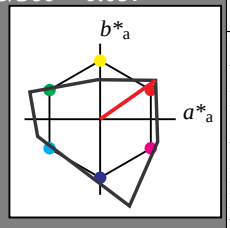
%Gamut
u^*_{rel} = 96
%Regularity
$g^*_{H,rel}$ = −385
$g^*_{C,rel}$ = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h = *lab*h* = 35/360 = 0.097**
lab*tch* and *lab*nch

A: hue O
LCH*Ma: 66 90 35
olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u^*_{rel} = 141
%Regularity
$g^*_{H,rel}$ = 39
$g^*_{C,rel}$ = 43

***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	0.0	0.0	
*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	–	

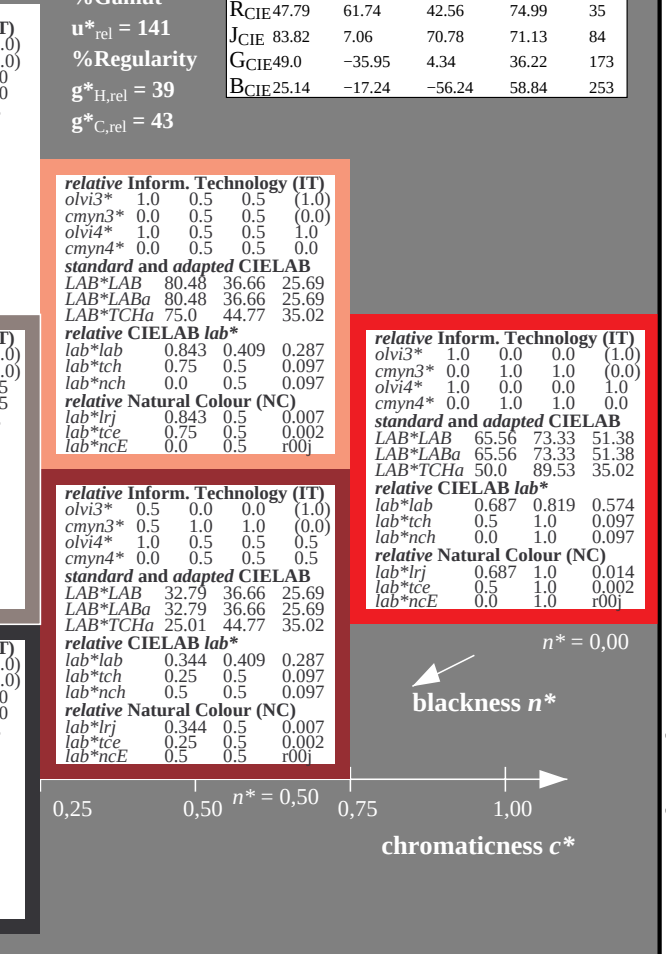
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	0.5	(1.0)
*cmyn3**	0.0	0.5	0.5	(0.0)
*olvi4**	1.0	0.5	0.5	1.0
*cmyn4**	0.0	0.5	0.5	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	80.48	36.66	25.69	
*LAB*LABa*	80.48	36.66	25.69	
*LAB*TCHa*	75.0	44.77	35.02	
relative* CIELAB *lab				
*lab*lab*	0.843	0.409	0.287	
*lab*tch*	0.75	0.5	0.097	
*lab*nch*	0.0	0.5	0.097	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.843	0.5	0.007	
*lab*tce*	0.75	0.5	0.002	
*lab*ncE*	0.0	0.5	r00j	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.0	0.0	(1.0)
*cmyn3**	0.5	1.0	1.0	(0.0)
*olvi4**	1.0	0.5	0.5	0.5
*cmyn4**	0.0	0.5	0.5	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	32.79	36.66	25.69	
*LAB*LABa*	32.79	36.66	25.69	
*LAB*TCHa*	25.01	44.77	35.02	
relative* CIELAB *lab				
*lab*lab*	0.344	0.409	0.287	
*lab*tch*	0.25	0.5	0.097	
*lab*nch*	0.5	0.5	0.097	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.344	0.5	0.007	
*lab*tce*	0.25	0.5	0.002	
*lab*ncE*	0.5	0.5	r00j	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(0.0)
*olvi4**	1.0	0.0	0.0	1.0
*cmyn4**	0.0	1.0	1.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	65.56	73.33	51.38	
*LAB*LABa*	65.56	73.33	51.38	
*LAB*TCHa*	50.0	89.53	35.02	
relative* CIELAB *lab				
*lab*lab*	0.687	0.819	0.574	
*lab*tch*	0.5	1.0	0.097	
*lab*nch*	0.0	1.0	0.097	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.687	1.0	0.014	
*lab*tce*	0.5	1.0	0.002	
*lab*ncE*	0.0	1.0	r00j	



SE000−7, 3 step scales for constant CIELAB hue 38/360 = 0.106 (left)
3 step scales for constant CIELAB hue 35/360 = 0.097 (right)

BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

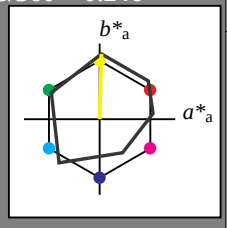
input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18

for hue *h** = *lab*h* = 88/360 = 0.246
*lab*tch* and *lab*nch*

A: hue Y
LCH*Ma: 93 86 88
olv*Ma: 1.0 1.0 0.0

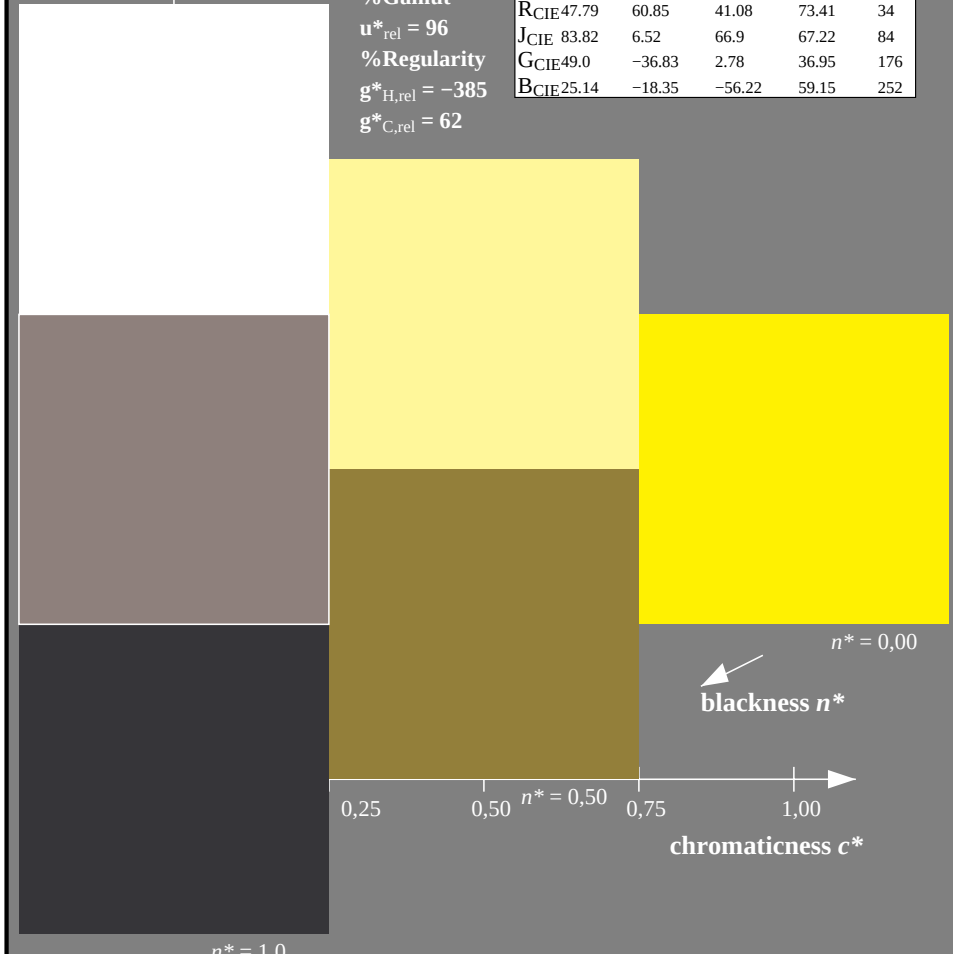
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Gamut
u^*_{rel} = 96
%Regularity
$g^*_{H,rel}$ = −385
$g^*_{C,rel}$ = 62



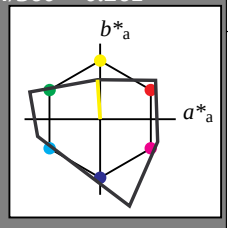
SE000−7, 3 step scales for constant CIELAB hue 88/360 = 0.246 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h** = *lab*h* = 94/360 = 0.261
*lab*tch* and *lab*nch*

A: hue Y
LCH*Ma: 95 52 94
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u^*_{rel} = 141
%Regularity
$g^*_{H,rel}$ = 39
$g^*_{C,rel}$ = 43

***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	0.0	0.0	
*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	–	

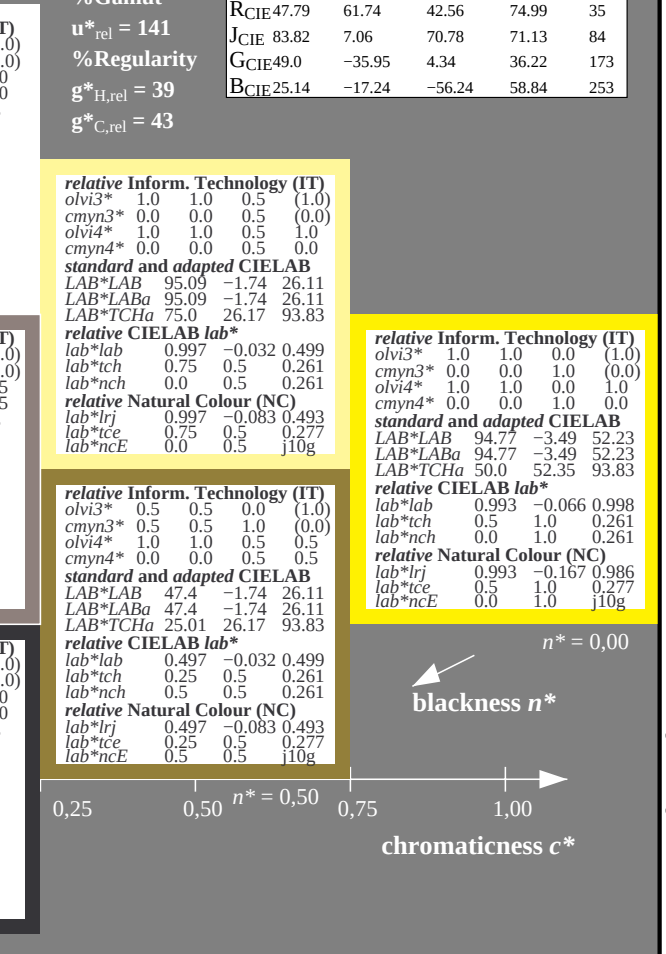
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	1.0	0.5	(1.0)
*cmyn3**	0.0	0.0	0.5	(0.0)
*olvi4**	1.0	1.0	0.5	1.0
*cmyn4**	0.0	0.0	0.5	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	95.09	−1.74	26.11	
*LAB*LABa*	95.09	−1.74	26.11	
*LAB*TCHa*	75.0	26.17	93.83	
relative* CIELAB *lab				
*lab*lab*	0.997	−0.032	0.499	
*lab*tch*	0.75	0.5	0.261	
*lab*nch*	0.0	0.5	0.261	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.997	−0.083	0.493	
*lab*tce*	0.75	0.5	0.277	
*lab*ncE*	0.0	0.5	j10g	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.0	(1.0)
*cmyn3**	0.5	0.5	1.0	(0.0)
*olvi4**	1.0	1.0	0.5	0.5
*cmyn4**	0.0	0.0	0.5	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.4	−1.74	26.11	
*LAB*LABa*	47.4	−1.74	26.11	
*LAB*TCHa*	25.01	26.17	93.83	
relative* CIELAB *lab				
*lab*lab*	0.497	−0.032	0.499	
*lab*tch*	0.25	0.5	0.261	
*lab*nch*	0.5	0.5	0.261	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.497	−0.083	0.493	
*lab*tce*	0.25	0.5	0.277	
*lab*ncE*	0.5	0.5	j10g	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	1.0	0.0	(1.0)
*cmyn3**	0.0	0.0	1.0	(0.0)
*olvi4**	1.0	1.0	0.0	1.0
*cmyn4**	0.0	0.0	1.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	94.77	−3.49	52.23	
*LAB*LABa*	94.77	−3.49	52.23	
*LAB*TCHa*	50.0	52.35	93.83	
relative* CIELAB *lab				
*lab*lab*	0.993	−0.066	0.998	
*lab*tch*	0.5	1.0	0.261	
*lab*nch*	0.0	1.0	0.261	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.993	−0.167	0.986	
*lab*tce*	0.5	1.0	0.277	
*lab*ncE*	0.0	1.0	j10g	



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

BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

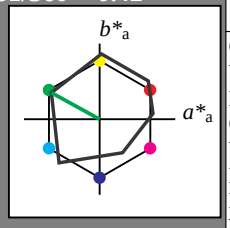
input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18

for hue *h** = *lab*h* = 151/360 = 0.42
*lab*tch* and *lab*nch*

A: hue L
LCH*Ma: 51 73 151
olv*Ma: 0.0 1.0 0.0

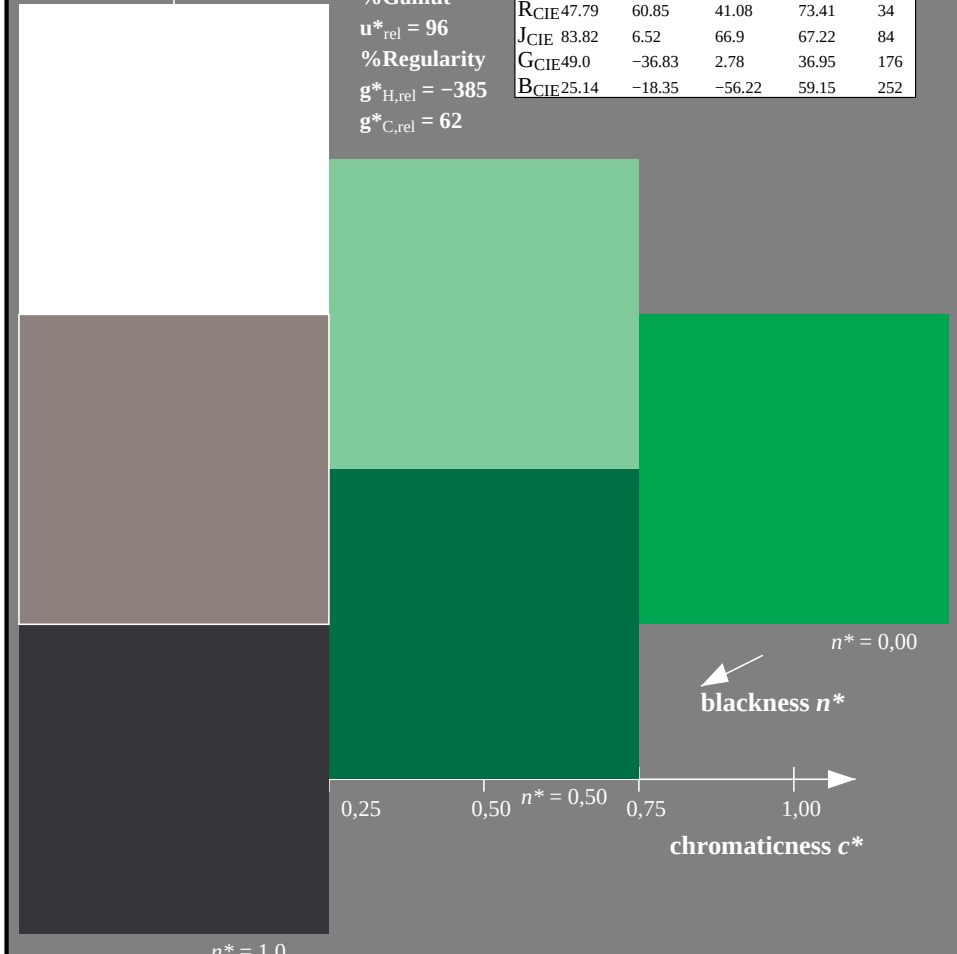
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Gamut
u*rel = 96
%Regularity
g*H,rel = −385
g*C,rel = 62



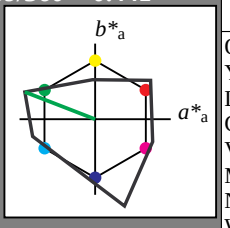
SE000−7, 3 step scales for constant CIELAB hue 151/360 = 0.42 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h** = *lab*h* = 159/360 = 0.441
*lab*tch* and *lab*nch*

A: hue L
LCH*Ma: 77 100 159
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u*rel = 141
%Regularity
g*H,rel = 39
g*C,rel = 43

***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	0.0	0.0	
*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	–	

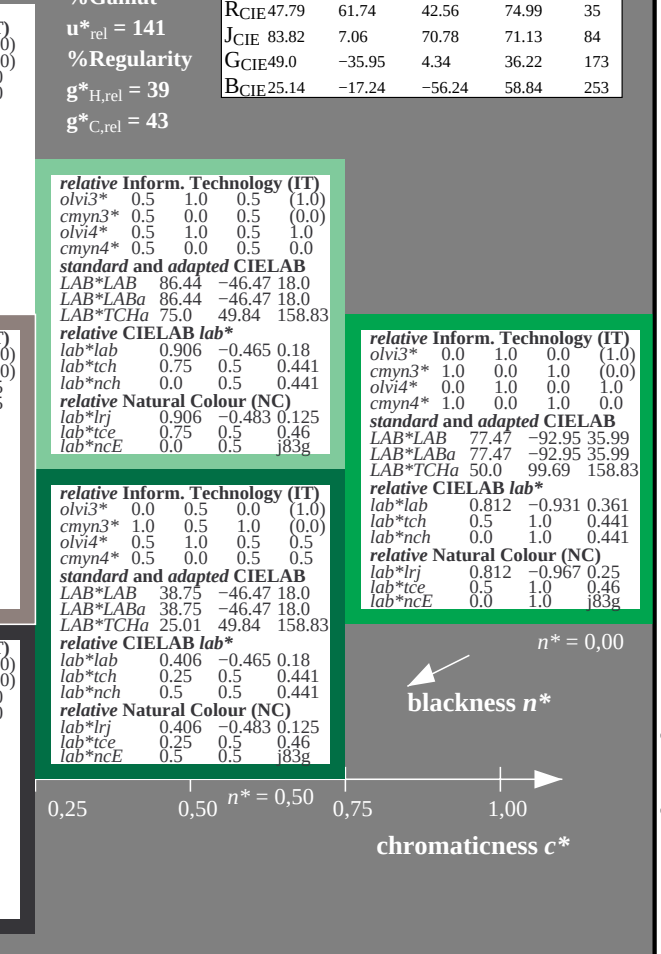
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	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*	86.44	−46.47	18.0	
*LAB*LABa*	86.44	−46.47	18.0	
*LAB*TCHa*	75.0	49.84	158.83	
relative* CIELAB *lab				
*lab*lab*	0.906	−0.465	0.18	
*lab*tch*	0.75	0.5	0.441	
*lab*nch*	0.0	0.5	0.441	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.906	−0.483	0.125	
*lab*tce*	0.75	0.5	0.46	
*lab*ncE*	0.0	0.5	j83g	

***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*	38.75	−46.47	18.0	
*LAB*LABa*	38.75	−46.47	18.0	
*LAB*TCHa*	25.01	49.84	158.83	
relative* CIELAB *lab				
*lab*lab*	0.406	−0.465	0.18	
*lab*tch*	0.25	0.5	0.441	
*lab*nch*	0.5	0.5	0.441	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.406	−0.483	0.125	
*lab*tce*	0.25	0.5	0.46	
*lab*ncE*	0.5	0.5	j83g	

***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**	0.0	0.0	1.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	77.47	−92.95	35.99	
*LAB*LABa*	77.47	−92.95	35.99	
*LAB*TCHa*	50.0	99.69	158.83	
relative* CIELAB *lab				
*lab*lab*	0.812	−0.931	0.361	
*lab*tch*	0.5	1.0	0.441	
*lab*nch*	0.0	1.0	0.441	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.812	−0.967	0.25	
*lab*tce*	0.5	1.0	0.46	
*lab*ncE*	0.0	1.0	j83g	



3 step scales for constant CIELAB hue 159/360 = 0.441 (right)

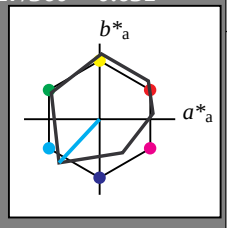
BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 227/360 = 0.631**
lab*tch* and *lab*nch

A: hue C
LCH*Ma: 51 79 227
olv*Ma: 0.0 1.0 1.0

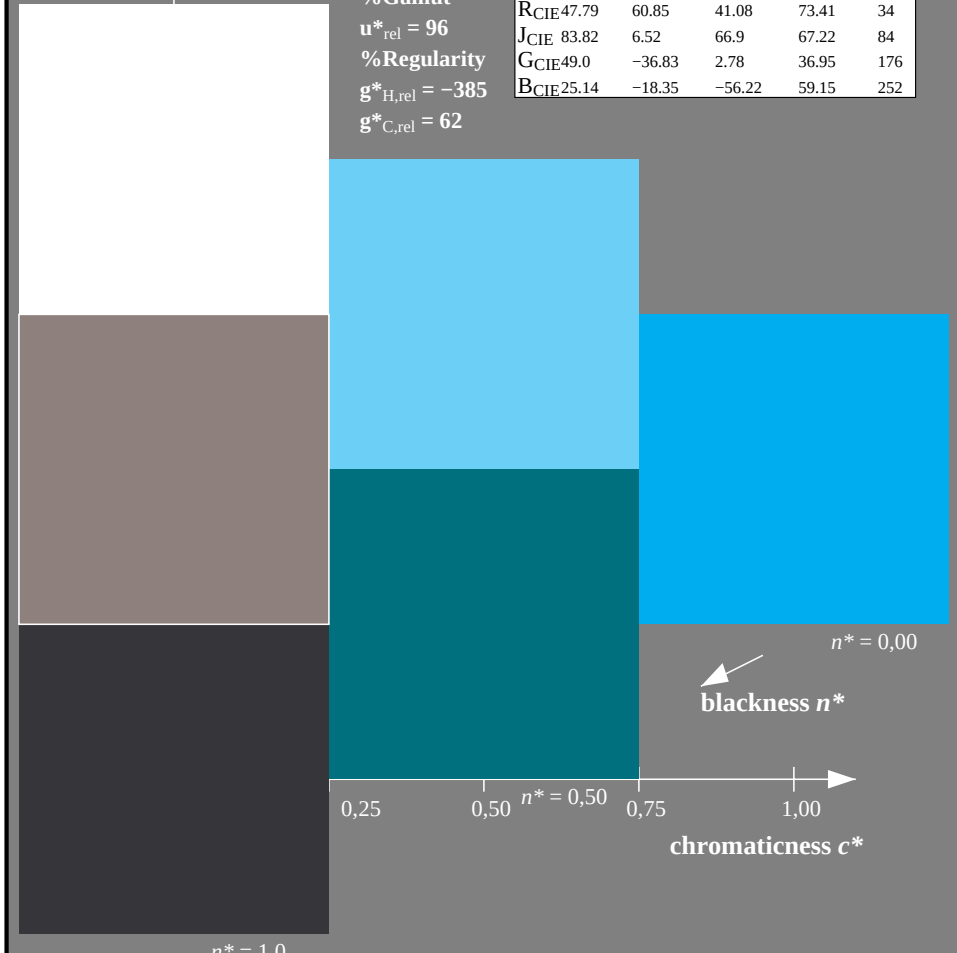
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L** = *L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

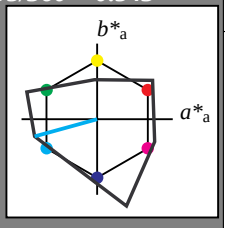
%Gamut
u*rel = 96
%Regularity
g*H,rel = −385
g*C,rel = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h = *lab*h* = 195/360 = 0.543**
lab*tch* and *lab*nch

A: hue C
LCH*Ma: 78 86 195
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L** = *L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u*rel = 141
%Regularity
g*H,rel = 39
g*C,rel = 43

***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	0.0	0.0	
*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	–	

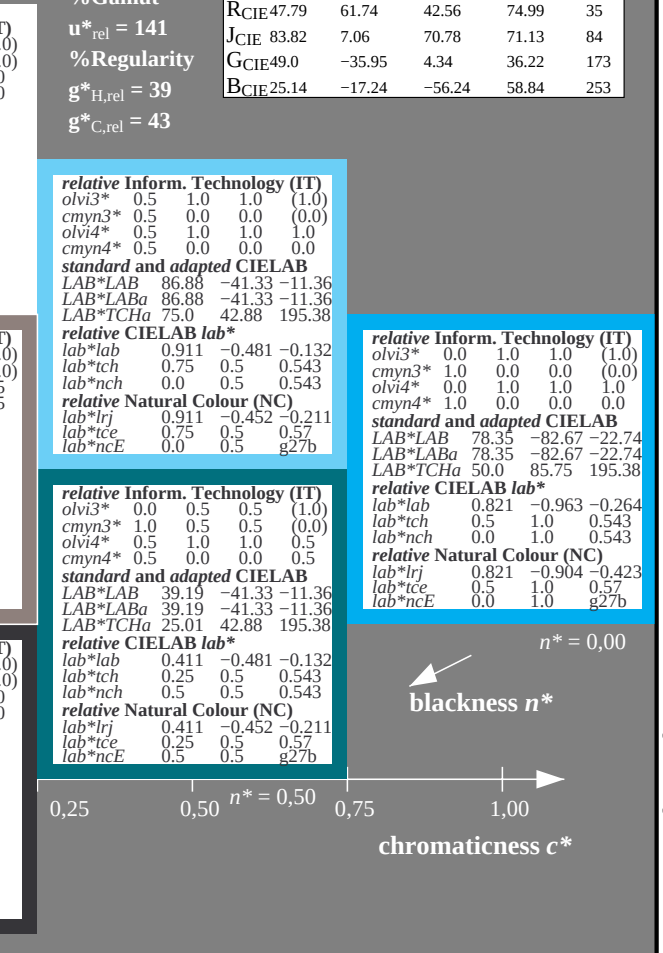
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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*	86.88	−41.33	−11.36	
*LAB*LABa*	86.88	−41.33	−11.36	
*LAB*TCHa*	75.0	42.88	195.38	
relative* CIELAB *lab*				
*lab*lab*	0.911	−0.481	−0.132	
*lab*tch*	0.75	0.5	0.543	
*lab*nch*	0.0	0.5	0.543	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.911	−0.452	−0.211	
*lab*tce*	0.75	0.5	0.57	
*lab*ncE*	0.0	0.5	g27b	

***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*	39.19	−41.33	−11.36	
*LAB*LABa*	39.19	−41.33	−11.36	
*LAB*TCHa*	25.01	42.88	195.38	
relative* CIELAB *lab*				
*lab*lab*	0.411	−0.481	−0.132	
*lab*tch*	0.25	0.5	0.543	
*lab*nch*	0.5	0.5	0.543	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.411	−0.452	−0.211	
*lab*tce*	0.25	0.5	0.57	
*lab*ncE*	0.5	0.5	g27b	

***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*	78.35	−82.67	−22.74	
*LAB*LABa*	78.35	−82.67	−22.74	
*LAB*TCHa*	50.0	85.75	195.38	
relative* CIELAB *lab*				
*lab*lab*	0.821	−0.963	−0.264	
*lab*tch*	0.5	1.0	0.543	
*lab*nch*	0.0	1.0	0.543	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.821	−0.904	−0.423	
*lab*tce*	0.5	1.0	0.57	
*lab*ncE*	0.0	1.0	g27b	



SE000−7, 3 step scales for constant CIELAB hue 227/360 = 0.631 (left)
3 step scales for constant CIELAB hue 195/360 = 0.543 (right)

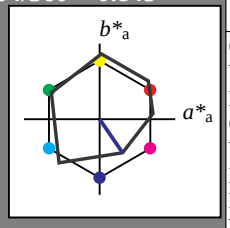
BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 304/360 = 0.845*
*lab*tch* and *lab*nch*

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

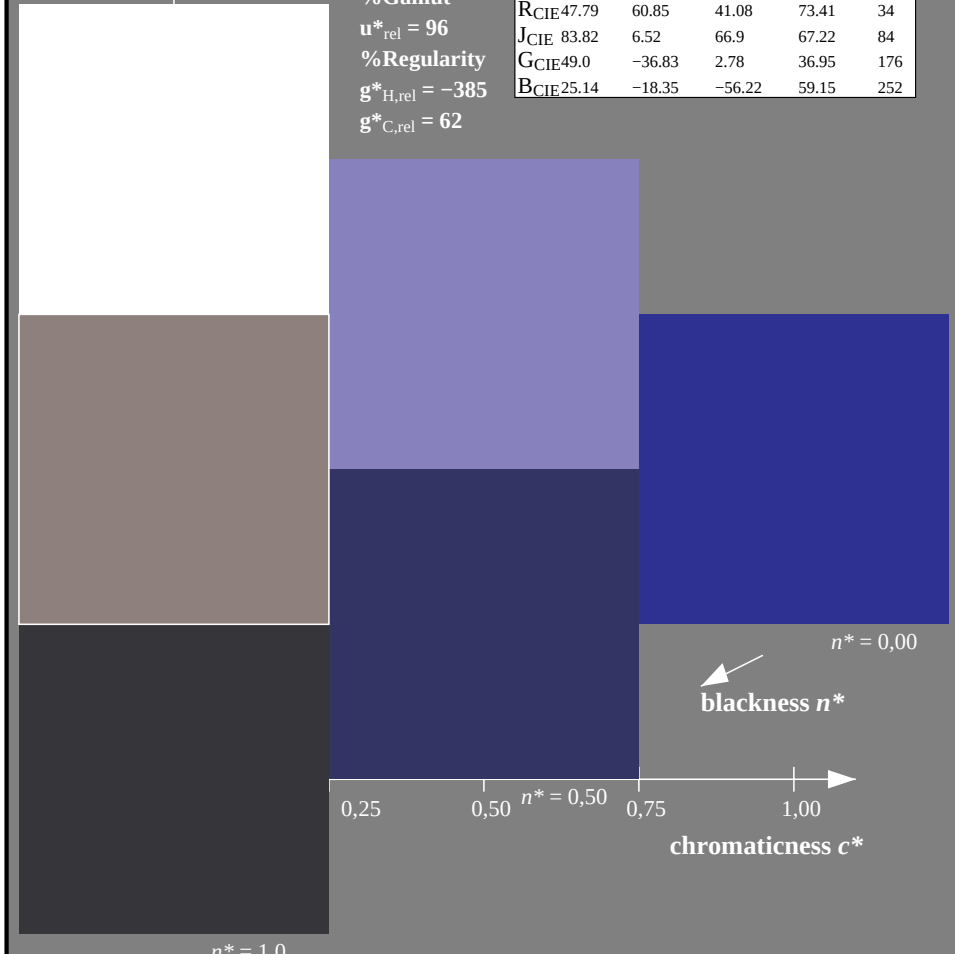
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

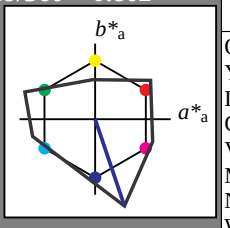
%Gamut
u*rel = 96
%Regularity
g*H,rel = −385
g*C,rel = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h* = lab*h = 289/360 = 0.802*
*lab*tch* and *lab*nch*

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

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u*rel = 141
%Regularity
g*H,rel = 39
g*C,rel = 43

***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	0.0	0.0	
*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	–	

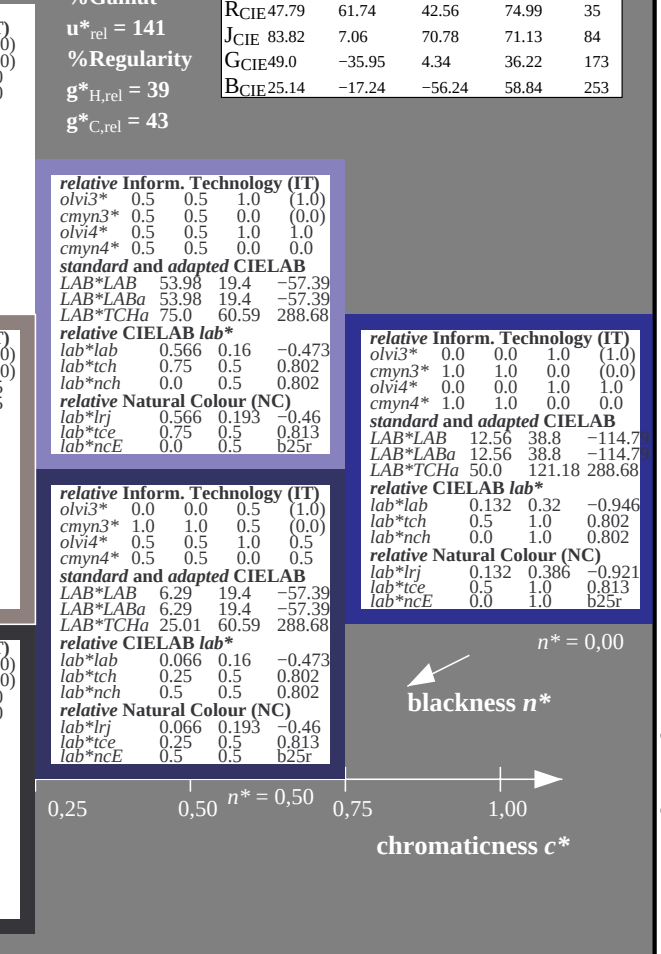
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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*	53.98	19.4	−57.39	
*LAB*LABa*	53.98	19.4	−57.39	
*LAB*TCHa*	75.0	60.59	288.68	
relative* CIELAB *lab				
*lab*lab*	0.566	0.16	−0.473	
*lab*tch*	0.75	0.5	0.802	
*lab*nch*	0.0	0.5	0.802	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.566	0.193	−0.46	
*lab*tce*	0.75	0.5	0.813	
*lab*ncE*	0.0	0.5	b25r	

***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*	6.29	19.4	−57.39	
*LAB*LABa*	6.29	19.4	−57.39	
*LAB*TCHa*	25.01	60.59	288.68	
relative* CIELAB *lab				
*lab*lab*	0.066	0.16	−0.473	
*lab*tch*	0.25	0.5	0.802	
*lab*nch*	0.5	0.5	0.802	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.066	0.193	−0.46	
*lab*tce*	0.25	0.5	0.813	
*lab*ncE*	0.5	0.5	b25r	

***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*	12.56	38.8	−114.7	
*LAB*LABa*	12.56	38.8	−114.7	
*LAB*TCHa*	50.0	121.18	288.68	
relative* CIELAB *lab				
*lab*lab*	0.132	0.32	−0.946	
*lab*tch*	0.5	1.0	0.802	
*lab*nch*	0.0	1.0	0.802	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.132	0.386	−0.921	
*lab*tce*	0.5	1.0	0.813	
*lab*ncE*	0.0	1.0	b25r	



SE000−7, 3 step scales for constant CIELAB hue 304/360 = 0.845 (left)
3 step scales for constant CIELAB hue 289/360 = 0.802 (right)

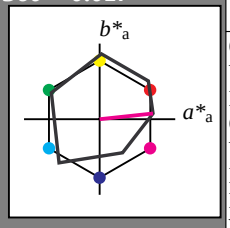
BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 6/360 = 0.017**
lab*tch* and *lab*nch

A: hue M
LCH*Ma: 56 71 6
olv*Ma: 1.0 0.0 1.0

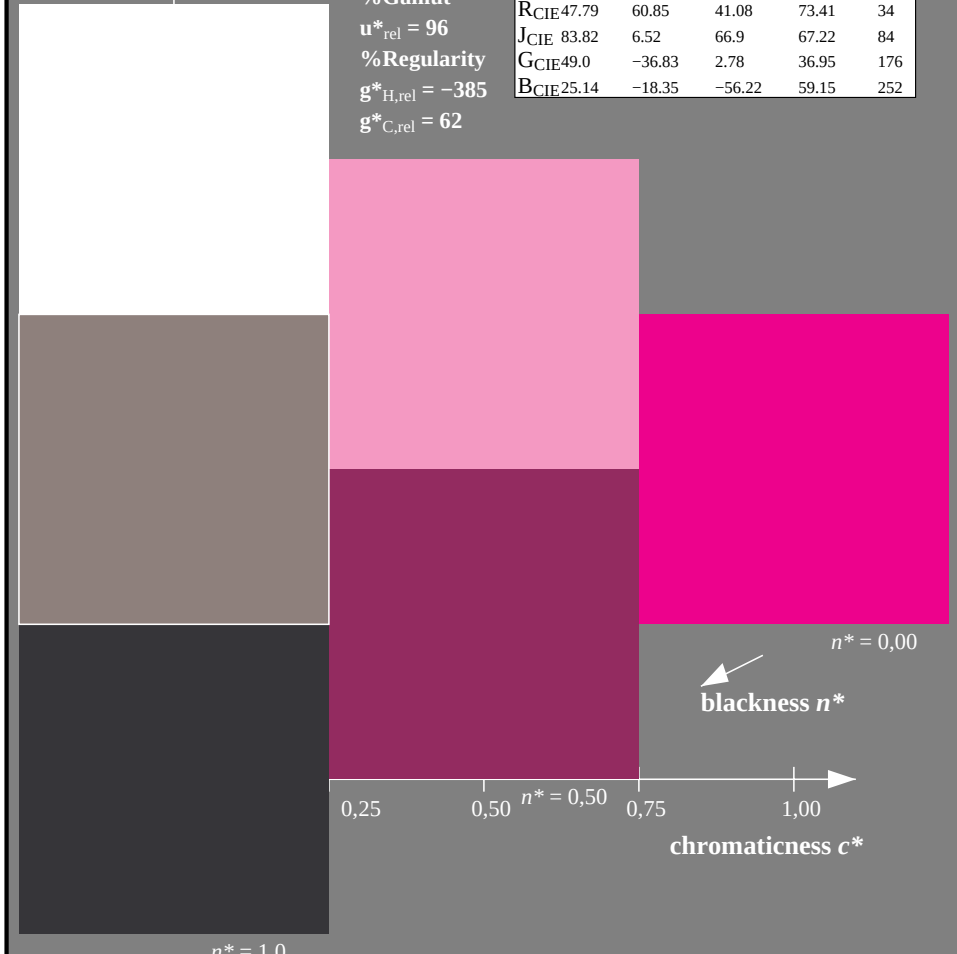
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

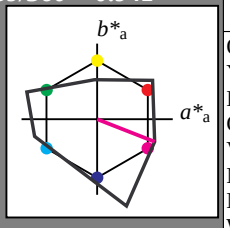
%Gamut
u^*_{rel} = 96
%Regularity
$g^*_{H,rel}$ = −385
$g^*_{C,rel}$ = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h = *lab*h* = 339/360 = 0.941**
lab*tch* and *lab*nch

A: hue M
LCH*Ma: 67 82 339
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u^*_{rel} = 141
%Regularity
$g^*_{H,rel}$ = 39
$g^*_{C,rel}$ = 43

***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	0.0	0.0
*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	–

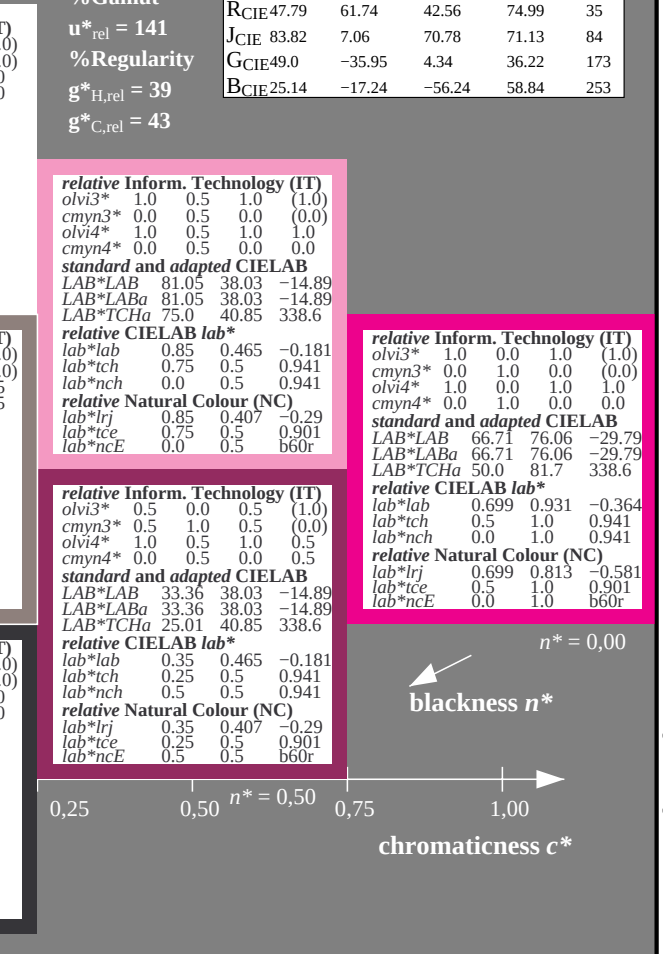
***relative* Inform. Technology (IT)**			
*olvi3**	0.5	0.5	0.5 (1.0)
*cmyn3**	0.5	0.5	0.5 (0.0)
*olvi4**	1.0	1.0	1.0 0.5
*cmyn4**	0.0	0.0	0.0 0.5
***standard* and *adapted* CIELAB**			
*LAB*LAB*	47.72	0.0	0.0
*LAB*LABa*	47.72	0.0	0.0
*LAB*TCHa*	50.0	0.01	–
relative* CIELAB *lab*			
*lab*lab*	0.5	0.0	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*	0.03	0.0	0.0
*LAB*LABa*	0.03	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	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*	81.05	38.03	−14.89
*LAB*LABa*	81.05	38.03	−14.89
*LAB*TCHa*	75.0	40.85	338.6
relative* CIELAB *lab*			
*lab*lab*	0.85	0.465	−0.181
*lab*tch*	0.75	0.5	0.941
*lab*nch*	0.0	0.5	0.941
***relative* Natural Colour (NC)**			
*lab*lrj*	0.85	0.407	−0.29
*lab*tce*	0.75	0.5	0.901
*lab*ncE*	0.0	0.5	b60r

***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*	33.36	38.03	−14.89
*LAB*LABa*	33.36	38.03	−14.89
*LAB*TCHa*	25.01	40.85	338.6
relative* CIELAB *lab*			
*lab*lab*	0.35	0.465	−0.181
*lab*tch*	0.25	0.5	0.941
*lab*nch*	0.5	0.5	0.941
***relative* Natural Colour (NC)**			
*lab*lrj*	0.35	0.407	−0.29
*lab*tce*	0.25	0.5	0.901
*lab*ncE*	0.5	0.5	b60r

***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*	66.71	76.06	−29.79
*LAB*LABa*	66.71	76.06	−29.79
*LAB*TCHa*	50.0	81.7	338.6
relative* CIELAB *lab*			
*lab*lab*	0.699	0.931	−0.364
*lab*tch*	0.5	1.0	0.941
*lab*nch*	0.0	1.0	0.941
***relative* Natural Colour (NC)**			
*lab*lrj*	0.699	0.813	−0.581
*lab*tce*	0.5	1.0	0.901
*lab*ncE*	0.0	1.0	b60r



SE000−7, 3 step scales for constant CIELAB hue 6/360 = 0.017 (left)
3 step scales for constant CIELAB hue 339/360 = 0.941 (right)

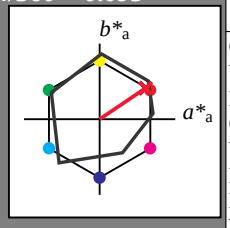
BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 34/360 = 0.095*
*lab*tch* and *lab*nch*

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

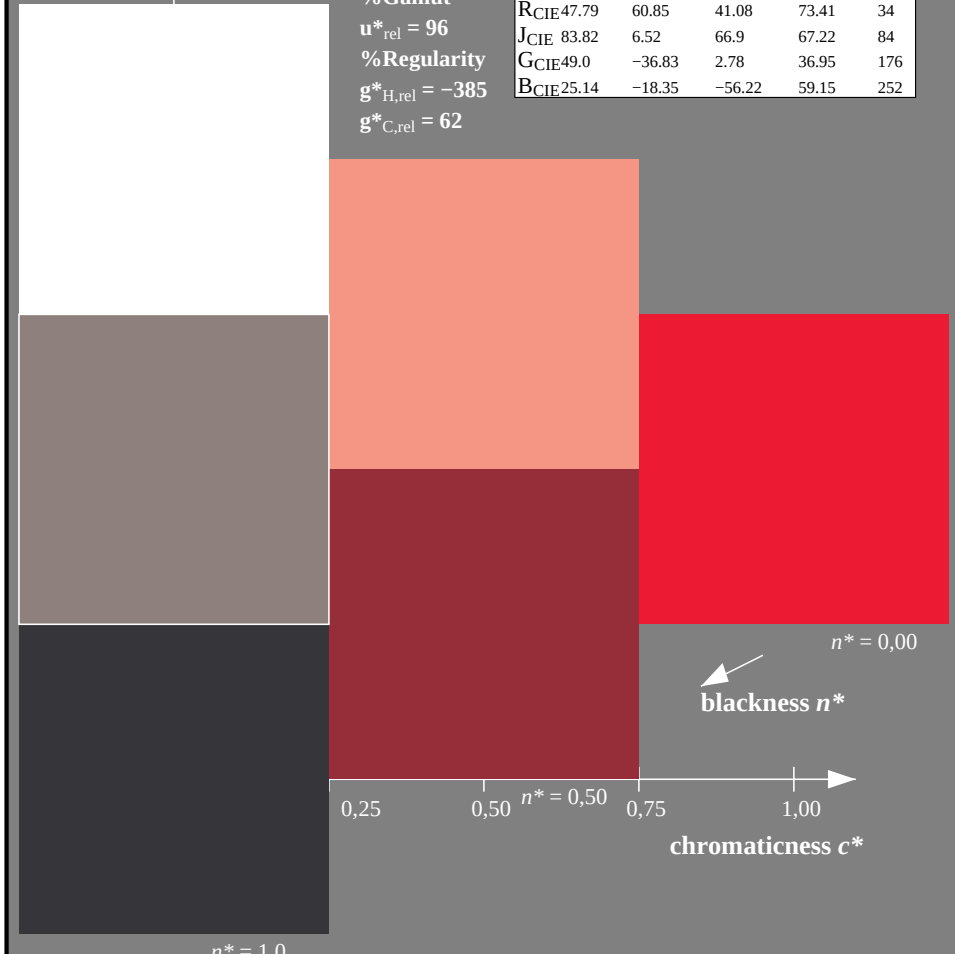
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

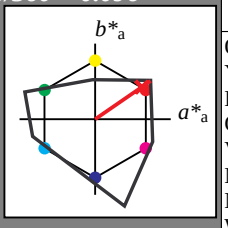
%Gamut
u^*_{rel} = 96
%Regularity
$g^*_{H,rel}$ = −385
$g^*_{C,rel}$ = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h* = lab*h = 35/360 = 0.096*
*lab*tch* and *lab*nch*

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

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u^*_{rel} = 141
%Regularity
$g^*_{H,rel}$ = 39
$g^*_{C,rel}$ = 43

***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	0.0	0.0
*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*	47.72	0.0	0.0
*LAB*LABa*	47.72	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*	0.03	0.0	0.0
*LAB*LABa*	0.03	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	0.505 (1.0)
*cmyn3**	0.0	0.5	0.495 (0.0)
*olvi4**	1.0	0.5	0.505 1.0
*cmyn4**	0.0	0.5	0.495 0.0

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

*LAB*LAB*	80.48	36.68	25.28
*LAB*LABa*	80.48	36.68	25.28
*LAB*TCHa*	75.0	44.55	34.58

relative* CIELAB *lab*

*lab*lab*	0.844	0.412	0.284
*lab*tch*	0.75	0.5	0.096
*lab*nch*	0.0	0.5	0.096

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

*lab*lrj*	0.844	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	0.005 (1.0)
*cmyn3**	0.5	1.0	0.995 (0.0)
*olvi4**	1.0	0.5	0.505 0.5
*cmyn4**	0.0	0.5	0.495 0.5

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

*LAB*LAB*	32.79	36.68	25.29
*LAB*LABa*	32.79	36.68	25.29
*LAB*TCHa*	25.01	44.55	34.59

relative* CIELAB *lab*

*lab*lab*	0.344	0.412	0.284
*lab*tch*	0.25	0.5	0.096
*lab*nch*	0.5	0.5	0.096

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

*lab*lrj*	0.344	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	0.01 (1.0)
*cmyn3**	0.0	1.0	0.99 (0.0)
*olvi4**	1.0	0.0	0.01 1.0
*cmyn4**	0.0	1.0	0.99 0.0

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

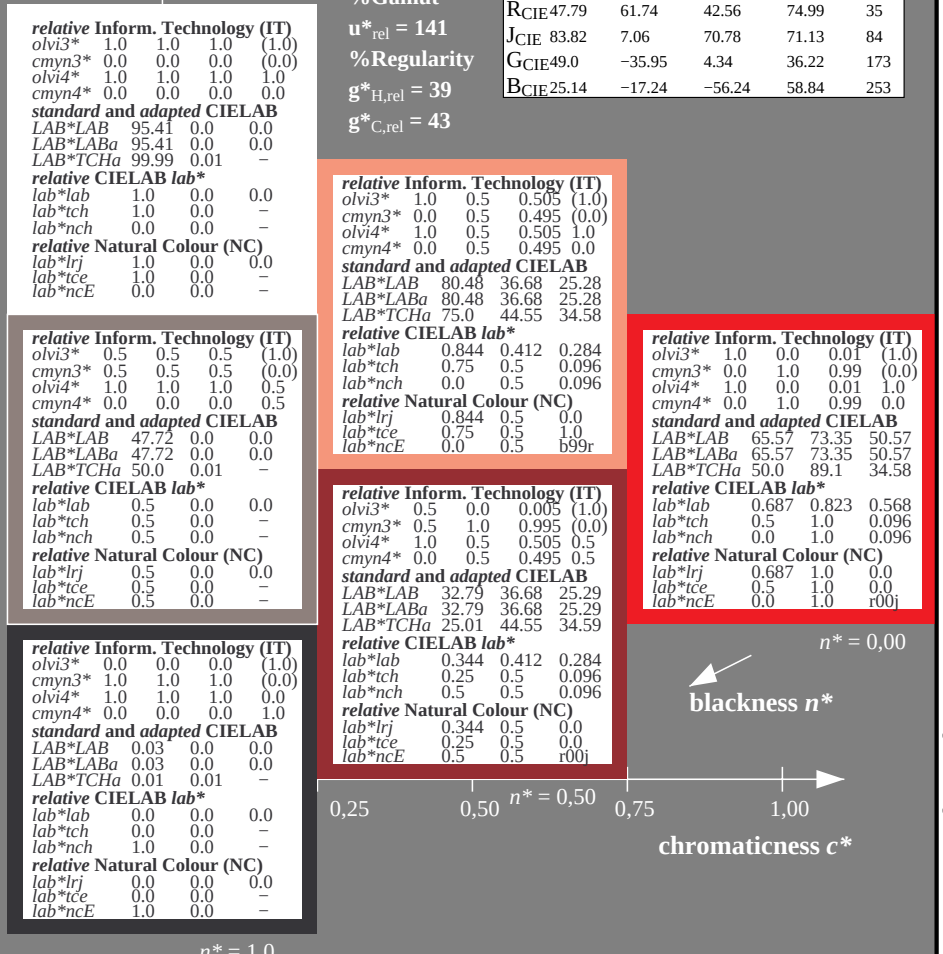
*LAB*LAB*	65.57	73.35	50.57
*LAB*LABa*	65.57	73.35	50.57
*LAB*TCHa*	50.0	89.1	34.58

relative* CIELAB *lab*

*lab*lab*	0.687	0.823	0.568
*lab*tch*	0.5	1.0	0.096
*lab*nch*	0.0	1.0	0.096

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

*lab*lrj*	0.687	1.0	0.0
*lab*tce*	0.5	1.0	0.0
*lab*ncE*	0.0	1.0	r00j



SE000−7, 3 step scales for constant CIELAB hue 34/360 = 0.095 (left)
3 step scales for constant CIELAB hue 35/360 = 0.096 (right)

BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

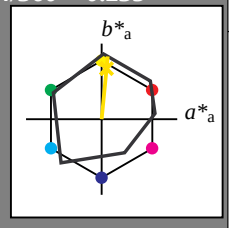
input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 84/360 = 0.235*
*lab*tch* and *lab*nch*

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

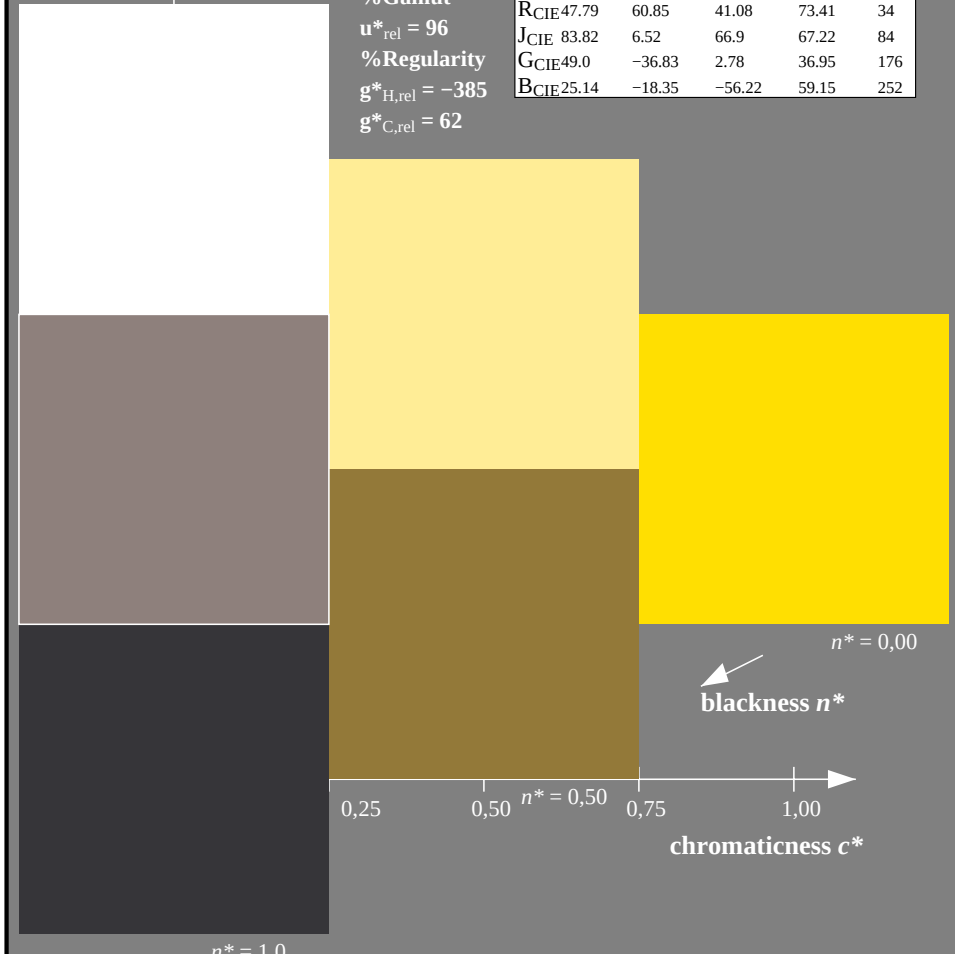
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Gamut
u^*_{rel} = 96
%Regularity
$g^*_{H,rel}$ = −385
$g^*_{C,rel}$ = 62



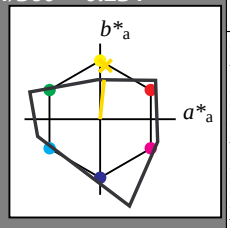
SE000−7, 3 step scales for constant CIELAB hue 84/360 = 0.235 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 84/360 = 0.234*
*lab*tch* and *lab*nch*

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

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u^*_{rel} = 141
%Regularity
$g^*_{H,rel}$ = 39
$g^*_{C,rel}$ = 43

***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	0.0	0.0	
*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	–	

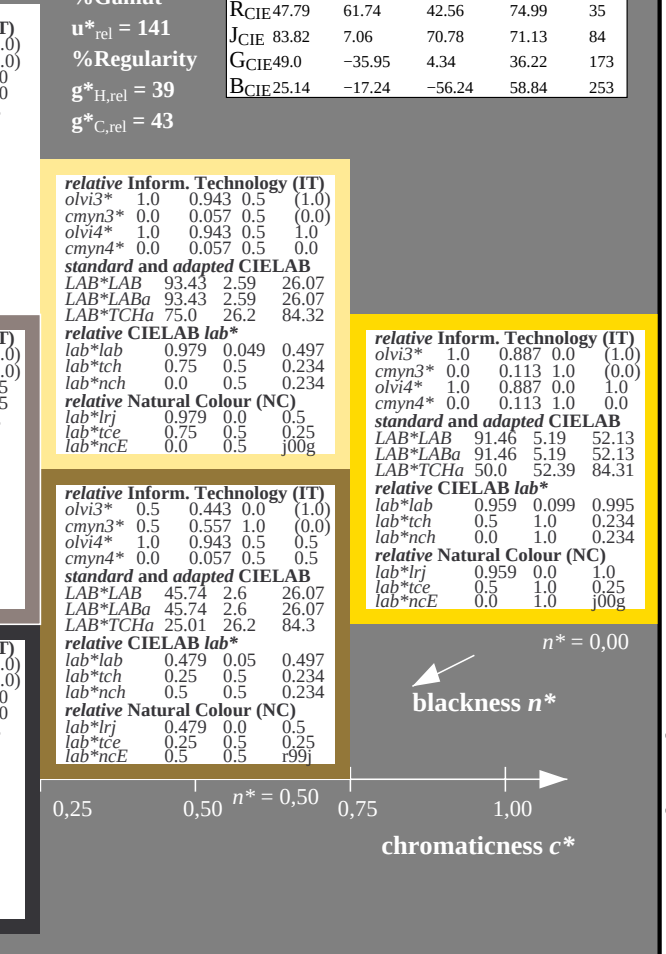
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	0.943	0.5	(1.0)
*cmyn3**	0.0	0.057	0.5	(0.0)
*olvi4**	1.0	0.943	0.5	1.0
*cmyn4**	0.0	0.057	0.5	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	93.43	2.59	26.07	
*LAB*LABa*	93.43	2.59	26.07	
*LAB*TCHa*	75.0	26.2	84.32	
relative* CIELAB *lab				
*lab*lab*	0.979	0.049	0.497	
*lab*tch*	0.75	0.5	0.234	
*lab*nch*	0.0	0.5	0.234	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.979	0.0	0.5	
*lab*tce*	0.75	0.5	0.25	
*lab*ncE*	0.0	0.5	j00g	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.443	0.0	(1.0)
*cmyn3**	0.5	0.557	1.0	(0.0)
*olvi4**	1.0	0.943	0.5	0.5
*cmyn4**	0.0	0.057	0.5	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	45.74	2.6	26.07	
*LAB*LABa*	45.74	2.6	26.07	
*LAB*TCHa*	25.01	26.2	84.3	
relative* CIELAB *lab				
*lab*lab*	0.479	0.05	0.497	
*lab*tch*	0.25	0.5	0.234	
*lab*nch*	0.5	0.5	0.234	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.479	0.0	0.5	
*lab*tce*	0.25	0.5	0.25	
*lab*ncE*	0.5	0.5	r99j	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.887	0.0	(1.0)
*cmyn3**	0.0	0.113	1.0	(0.0)
*olvi4**	1.0	0.887	0.0	1.0
*cmyn4**	0.0	0.113	1.0	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	91.46	5.19	52.13	
*LAB*LABa*	91.46	5.19	52.13	
*LAB*TCHa*	50.0	52.39	84.31	
relative* CIELAB *lab				
*lab*lab*	0.959	0.099	0.995	
*lab*tch*	0.5	1.0	0.234	
*lab*nch*	0.0	1.0	0.234	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.959	0.0	1.0	
*lab*tce*	0.5	1.0	0.25	
*lab*ncE*	0.0	1.0	j00g	



3 step scales for constant CIELAB hue 84/360 = 0.234 (right)

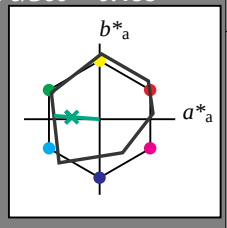
BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

Input: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 176/360 = 0.488**
lab*tch* and *lab*nch

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

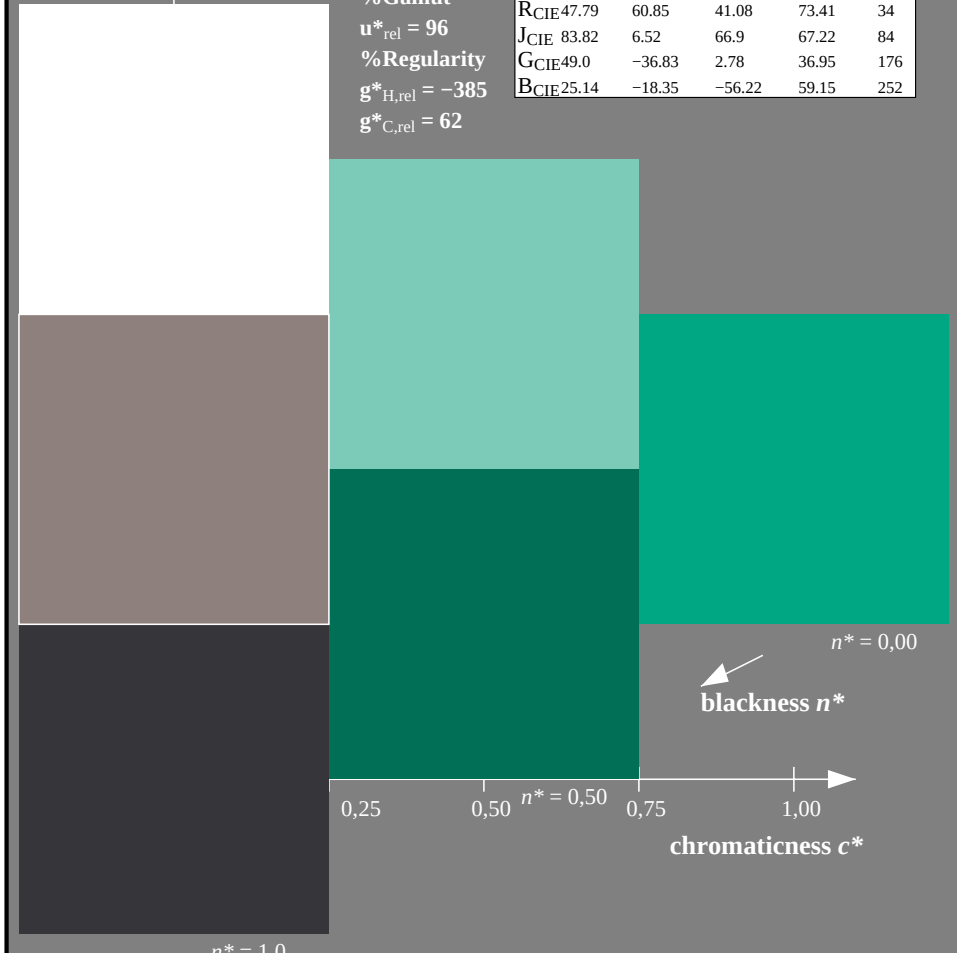
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

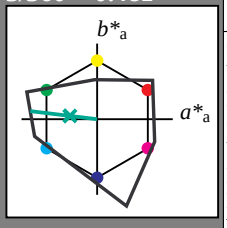
%Gamut
u*$_{rel}$ = 96
%Regularity
g*$_{H,rel}$ = −385
g*$_{C,rel}$ = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h = *lab*h* = 173/360 = 0.481**
lab*tch* and *lab*nch

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

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u*$_{rel}$ = 141
%Regularity
g*$_{H,rel}$ = 39
g*$_{C,rel}$ = 43

***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	0.0	0.0	
*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	–	

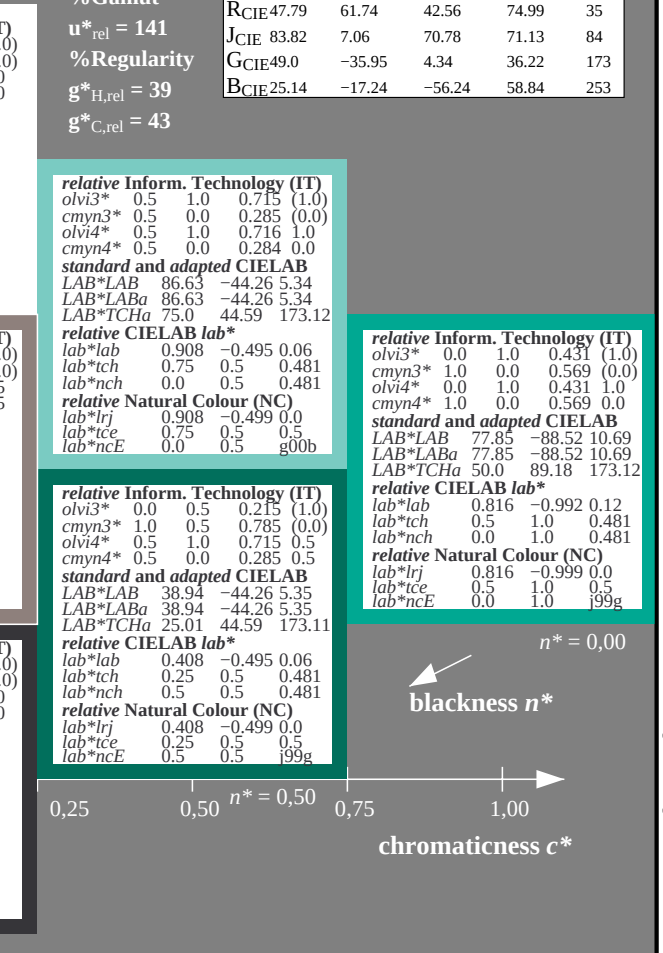
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	47.72	0.0	0.0	
*LAB*LABa*	47.72	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*lab*lab*	0.5	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*	0.03	0.0	0.0	
*LAB*LABa*	0.03	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	0.715	(1.0)
*cmyn3**	0.5	0.0	0.285	(0.0)
*olvi4**	0.5	1.0	0.716	1.0
*cmyn4**	0.5	0.0	0.284	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	86.63	−44.26	5.34	
*LAB*LABa*	86.63	−44.26	5.34	
*LAB*TCHa*	75.0	44.59	173.12	
relative* CIELAB *lab				
*lab*lab*	0.908	−0.495	0.06	
*lab*tch*	0.75	0.5	0.481	
*lab*nch*	0.0	0.5	0.481	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.908	−0.499	0.0	
*lab*tce*	0.75	0.5	0.5	
*lab*ncE*	0.0	0.5	g00b	

***relative* Inform. Technology (IT)**				
*olvi3**	0.0	0.5	0.215	(1.0)
*cmyn3**	1.0	0.5	0.785	(0.0)
*olvi4**	0.5	1.0	0.715	0.5
*cmyn4**	0.5	0.0	0.285	0.5
***standard* and *adapted* CIELAB**				
*LAB*LAB*	38.94	−44.26	5.35	
*LAB*LABa*	38.94	−44.26	5.35	
*LAB*TCHa*	25.01	44.59	173.11	
relative* CIELAB *lab				
*lab*lab*	0.408	−0.495	0.06	
*lab*tch*	0.25	0.5	0.481	
*lab*nch*	0.5	0.5	0.481	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.408	−0.499	0.0	
*lab*tce*	0.25	0.5	0.5	
*lab*ncE*	0.5	0.5	j99g	

***relative* Inform. Technology (IT)**				
*olvi3**	0.0	1.0	0.431	(1.0)
*cmyn3**	1.0	0.0	0.569	(0.0)
*olvi4**	0.0	1.0	0.431	1.0
*cmyn4**	1.0	0.0	0.569	0.0
***standard* and *adapted* CIELAB**				
*LAB*LAB*	77.85	−88.52	10.69	
*LAB*LABa*	77.85	−88.52	10.69	
*LAB*TCHa*	50.0	89.18	173.12	
relative* CIELAB *lab				
*lab*lab*	0.816	−0.992	0.12	
*lab*tch*	0.5	1.0	0.481	
*lab*nch*	0.0	1.0	0.481	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.816	−0.999	0.0	
*lab*tce*	0.5	1.0	0.5	
*lab*ncE*	0.0	1.0	j99g	



SE000−7, 3 step scales for constant CIELAB hue 176/360 = 0.488 (left)
3 step scales for constant CIELAB hue 173/360 = 0.481 (right)

BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*

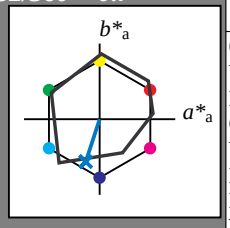
See for similar files: http://www.ps.bam.de/SE00/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0?

BAM registration: 20060101-SE00/10L/L00E08SP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems
/SE00/ Form: 9/10, Serie: 1/1, Page: 9 Page: count: 9

Input: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 252/360 = 0.7*
*lab*tch* and *lab*nch*

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

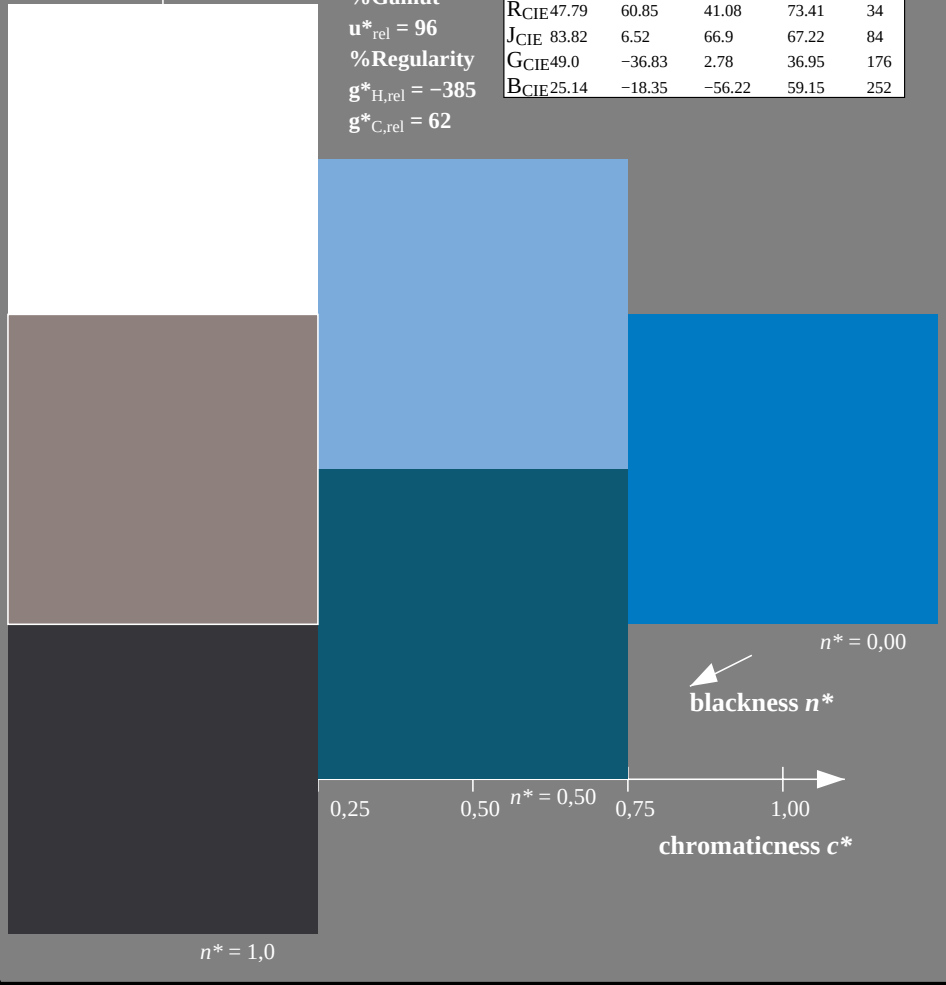
triangle lightness *t**



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

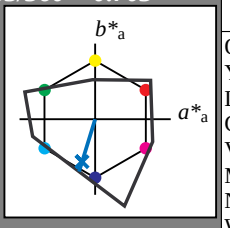
%Gamut
u*rel = 96
%Regularity
g*H,rel = −385
g*C,rel = 62



Output: Colorimetric Television Luminous System TLS00
for hue *h* = lab*h = 253/360 = 0.703*
*lab*tch* and *lab*nch*

A: hue B
LCH*Ma: 45 72 253
olv*Ma: 0.0 0.49 1.0

triangle lightness *t**



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Gamut
u*rel = 141
%Regularity
g*H,rel = 39
g*C,rel = 43

***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	0.0	0.0
*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	–

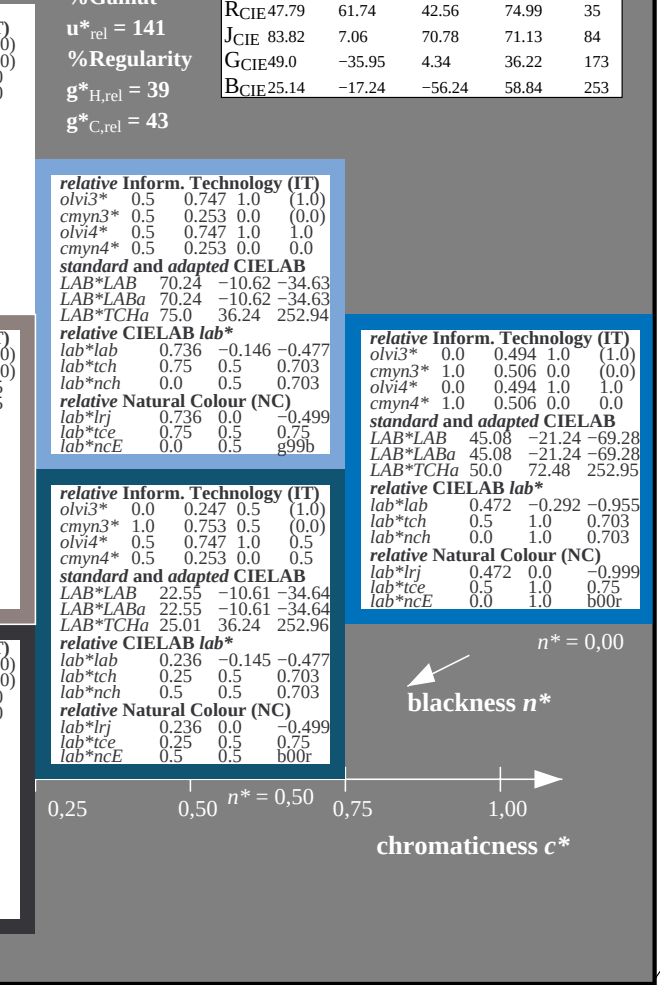
***relative* Inform. Technology (IT)**			
*olvi3**	0.5	0.5	0.5 (1.0)
*cmyn3**	0.5	0.5	0.5 (0.0)
*olvi4**	1.0	1.0	1.0 0.5
*cmyn4**	0.0	0.0	0.0 0.5
***standard* and *adapted* CIELAB**			
*LAB*LAB*	47.72	0.0	0.0
*LAB*LABa*	47.72	0.0	0.0
*LAB*TCHa*	50.0	0.01	–
relative* CIELAB *lab*			
*lab*lab*	0.5	0.0	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*	0.03	0.0	0.0
*LAB*LABa*	0.03	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	0.747	1.0 (1.0)
*cmyn3**	0.5	0.253	0.0 (0.0)
*olvi4**	0.5	0.747	1.0 1.0
*cmyn4**	0.5	0.253	0.0 0.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	70.24	−10.62	−34.63
*LAB*LABa*	70.24	−10.62	−34.63
*LAB*TCHa*	75.0	36.24	252.94
relative* CIELAB *lab*			
*lab*lab*	0.736	−0.146	−0.477
*lab*tch*	0.75	0.5	0.703
*lab*nch*	0.0	0.5	0.703
***relative* Natural Colour (NC)**			
*lab*lrj*	0.736	0.0	−0.499
*lab*tce*	0.75	0.5	0.75
*lab*ncE*	0.0	0.5	g99b

***relative* Inform. Technology (IT)**			
*olvi3**	0.0	0.247	0.5 (1.0)
*cmyn3**	1.0	0.753	0.5 (0.0)
*olvi4**	0.5	0.747	1.0 0.5
*cmyn4**	0.5	0.253	0.0 0.5
***standard* and *adapted* CIELAB**			
*LAB*LAB*	22.55	−10.61	−34.64
*LAB*LABa*	22.55	−10.61	−34.64
*LAB*TCHa*	25.01	36.24	252.96
relative* CIELAB *lab*			
*lab*lab*	0.236	−0.145	−0.477
*lab*tch*	0.25	0.5	0.703
*lab*nch*	0.5	0.5	0.703
***relative* Natural Colour (NC)**			
*lab*lrj*	0.236	0.0	−0.499
*lab*tce*	0.25	0.5	0.75
*lab*ncE*	0.5	0.5	b00r

***relative* Inform. Technology (IT)**			
*olvi3**	0.0	0.494	1.0 (1.0)
*cmyn3**	1.0	0.506	0.0 (0.0)
*olvi4**	0.0	0.494	1.0 1.0
*cmyn4**	1.0	0.506	0.0 0.0
***standard* and *adapted* CIELAB**			
*LAB*LAB*	45.08	−21.24	−69.28
*LAB*LABa*	45.08	−21.24	−69.28
*LAB*TCHa*	50.0	72.48	252.95
relative* CIELAB *lab*			
*lab*lab*	0.472	−0.292	−0.955
*lab*tch*	0.5	1.0	0.703
*lab*nch*	0.0	1.0	0.703
***relative* Natural Colour (NC)**			
*lab*lrj*	0.472	0.0	−0.999
*lab*tce*	0.5	1.0	0.75
*lab*ncE*	0.0	1.0	b00r



SE000−7, 3 step scales for constant CIELAB hue 252/360 = 0.7 (left)
3 step scales for constant CIELAB hue 253/360 = 0.703 (right)

BAM-test chart SE00; Colorimetric systems ORS18 & ORS18
A: 3 step colour scales and coordinate data for 10 hues

input: *cmy0* setcmykcolor*
output: *Startup (S) data dependend*