See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

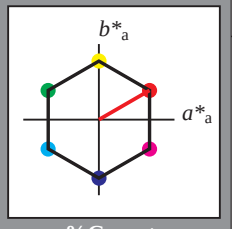
BAM registration: 20060101-OE57/10L/L57E00FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 1/10, Serie: 1/1, Page: 1 Page: count: 1

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 30/360 = 0.083$
*lab*tch* and *lab*nch*

D65: hue O
LCH*Ma: 57 77 30
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

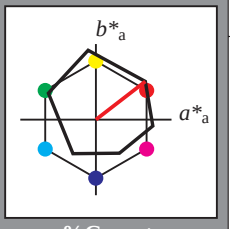
%Regularity
$g^*_{H,rel} = 100$
$g^*_{C,rel} = 100$

Output: Colorimetric Offset 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^*



%Gamut
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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

OE570−7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

www.ps.bam.de/OE57/10L/L57E01FP.PS/.PDF; linearized output
F: Output Linearization (OL) data OE57/10L/L57E01FP.DAT in File (F)

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

BAM registration: 20060101-OE57/10L/L57E01FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

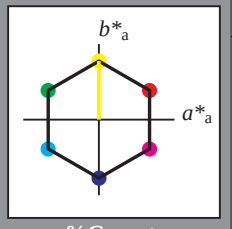
/OE57/ Form: 2/10, Serie: 1/1, Page: 2 Page: count: 2

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 90/360 = 0.25$
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 57 77 90
olv*Ma: 1.0 1.0 0.0

triangle lightness t^*

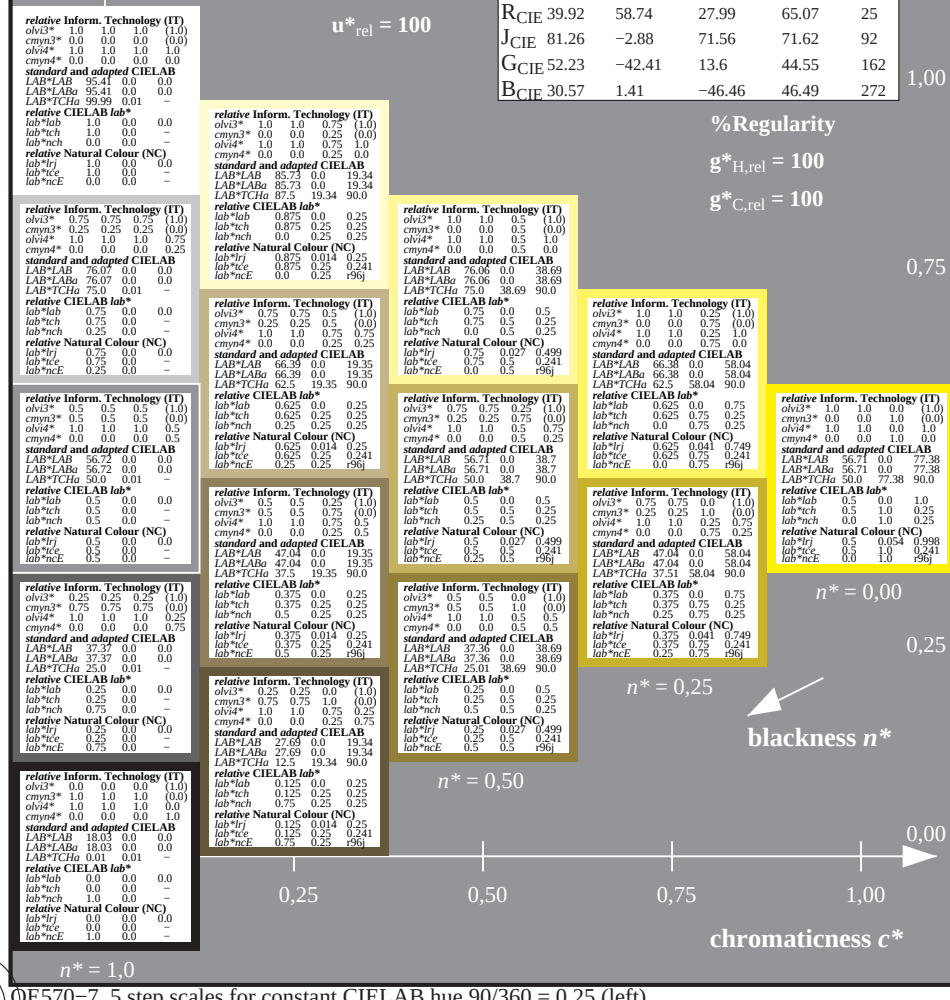


%Gamut
u^*_{rel} = 100

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100



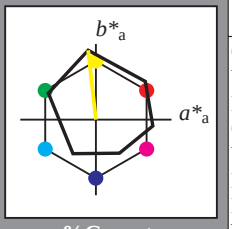
OE570−7, 5 step scales for constant CIELAB hue 90/360 = 0.25 (left)

Output: Colorimetric Offset 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^*

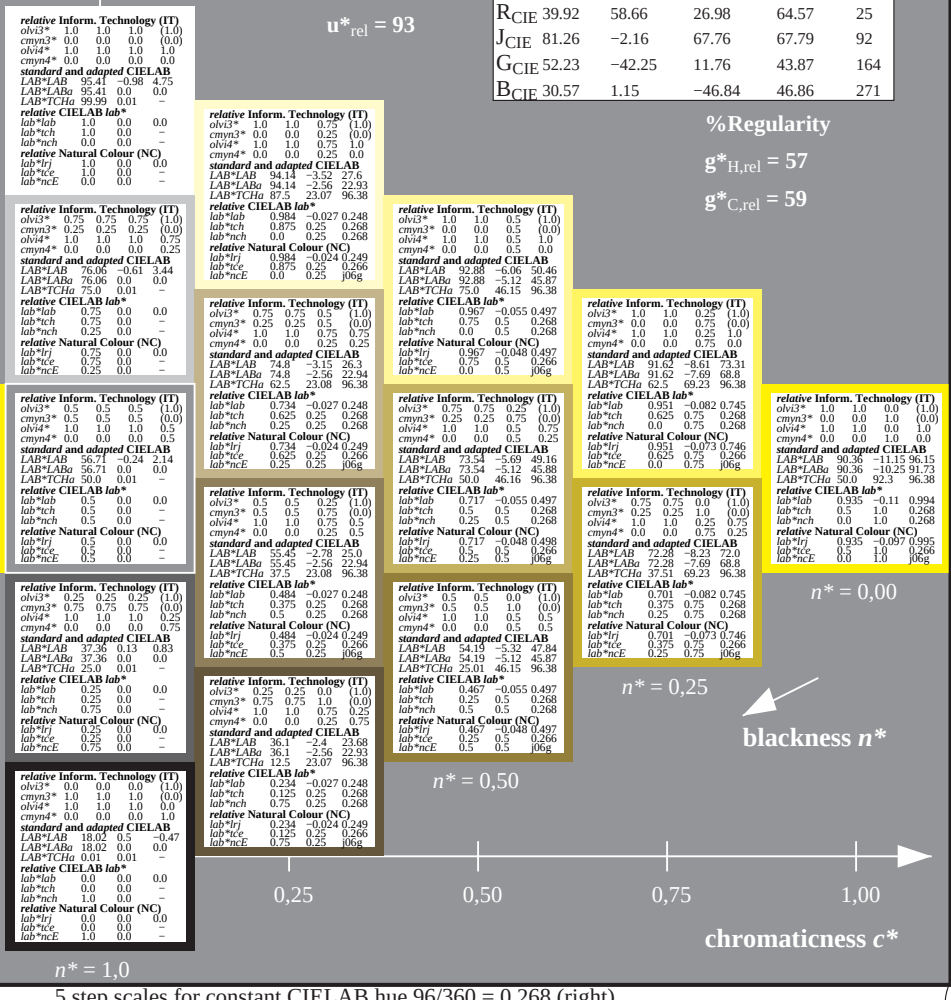


%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

www.ps.bam.de/OE57/10L/L57E02FP.PS/.PDF; linearized output
F: Output Linearization (OL) data OE57/10L/L57E02FP.DAT in File (F)

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

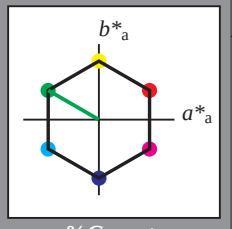
BAM registration: 20060101-OE57/10L/L57E02FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 3/10, Serie: 1/1, Page: 3 Page: count: 3

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 150/360 = 0.417$
lab*tch* and *lab*nch

D65: hue L
LCH*Ma: 57 77 150
olv*Ma: 0.0 1.0 0.0

triangle lightness t^*

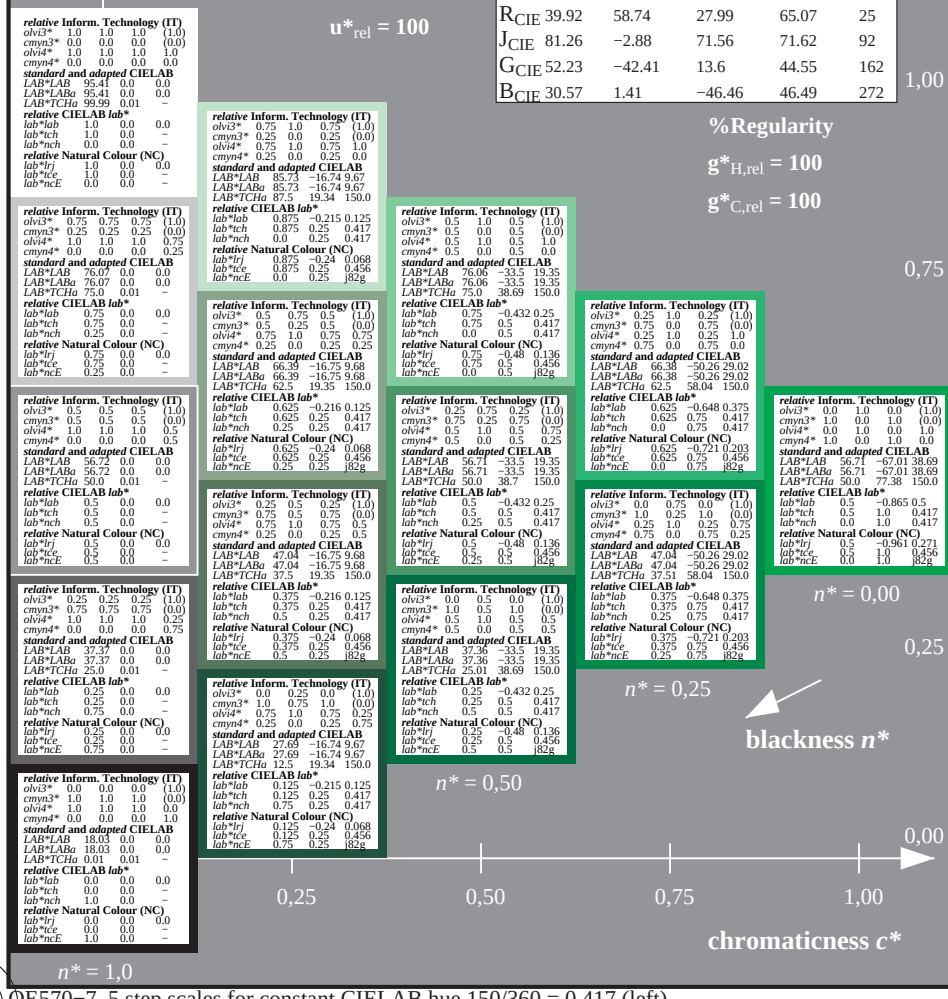


%Gamut
u^*_{rel} = 100

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

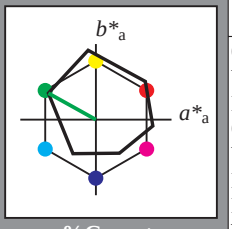


Output: Colorimetric Offset Reflective System ORS18

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^*

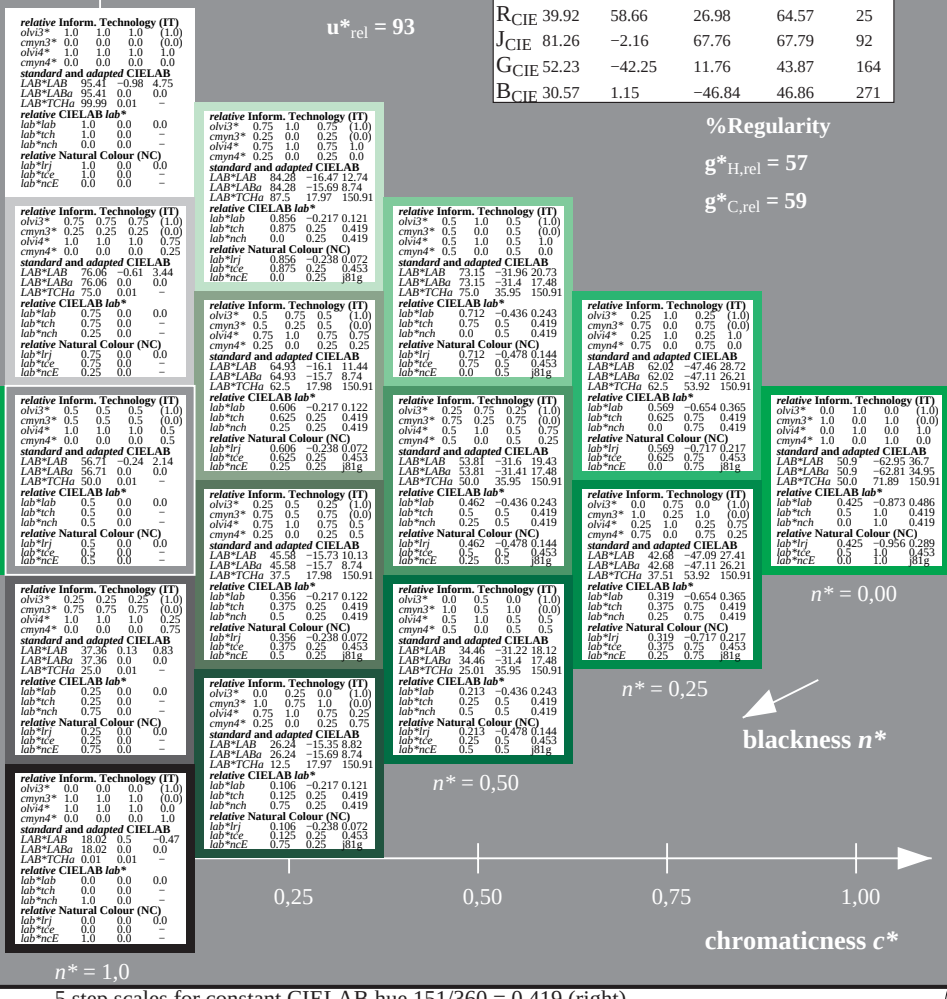


%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



OE570−7, 5 step scales for constant CIELAB hue 150/360 = 0.417 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

www.ps.bam.de/OE57/10L/L57E03FP.PS/.PDF; linearized output
F: Output Linearization (OL) data OE57/10L/L57E03FP.DAT in File (F)

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

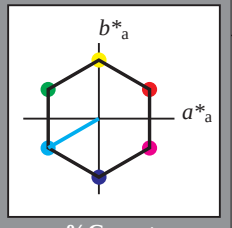
BAM registration: 20060101-OE57/10L/L57E03FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 4/10, Serie: 1/1, Page: 4 Page: count: 4

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 210/360 = 0.583$
lab*tch* and *lab*nch

D65: hue C
LCH*Ma: 57 77 210
olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut
u^*_{rel} = 100

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

1,00

0,75

0,25

0,00

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

n^* = 1,0 n^* = 0,50 n^* = 0,25 n^* = 0,00

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.0 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* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative CIELAB *lab**
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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 56.72 0.0 0.0
LAB*LABa 56.72 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* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative CIELAB *lab**
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 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* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 1.0
cmyn4* 0.25 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 85.73 −16.74 −9.66
LAB*LABa 85.73 −16.74 −9.66
LAB*TCHa 87.5 19.34 210.0
relative CIELAB *lab**
lab*lab 0.875 −0.215 −0.124
lab*tch 0.875 0.25 0.583
lab*nch 0.0 0.25 0.583
relative Natural Colour (NC)
lab*lrj 0.875 −0.192 −0.157
lab*tce 0.875 0.25 0.609
lab*ncE 0.0 0.25 g43b

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 0.75
cmyn4* 0.25 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 66.39 −16.75 −9.67
LAB*LABa 66.39 −16.75 −9.67
LAB*TCHa 62.5 19.35 210.0
relative CIELAB *lab**
lab*lab 0.625 −0.216 −0.124
lab*tch 0.625 0.25 0.583
lab*nch 0.25 0.25 0.583
relative Natural Colour (NC)
lab*lrj 0.625 −0.193 −0.157
lab*tce 0.625 0.25 0.609
lab*ncE 0.25 0.25 g43b

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 0.5
cmyn4* 0.25 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.04 −16.75 −9.67
LAB*LABa 47.04 −16.75 −9.67
LAB*TCHa 37.5 19.35 210.0
relative CIELAB *lab**
lab*lab 0.375 −0.216 −0.124
lab*tch 0.375 0.25 0.583
lab*nch 0.5 0.25 0.583
relative Natural Colour (NC)
lab*lrj 0.375 −0.193 −0.157
lab*tce 0.375 0.25 0.609
lab*ncE 0.5 0.25 g43b

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.75 1.0 1.0 0.25
cmyn4* 0.25 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 27.69 −16.74 −9.66
LAB*LABa 27.69 −16.74 −9.66
LAB*TCHa 12.5 19.34 210.0
relative CIELAB *lab**
lab*lab 0.125 −0.215 −0.124
lab*tch 0.125 0.25 0.583
lab*nch 0.75 0.25 0.583
relative Natural Colour (NC)
lab*lrj 0.125 −0.192 −0.157
lab*tce 0.125 0.25 0.609
lab*ncE 0.75 0.25 g43b

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 76.06 −33.5 −19.34
LAB*LABa 76.06 −33.5 −19.34
LAB*TCHa 75.0 38.69 210.0
relative CIELAB *lab**
lab*lab 0.75 −0.432 −0.249
lab*tch 0.75 0.5 0.583
lab*nch 0.0 0.5 0.583
relative Natural Colour (NC)
lab*lrj 0.75 −0.386 −0.315
lab*tce 0.75 0.5 0.609
lab*ncE 0.0 0.5 g43b

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 0.25
cmyn4* 0.5 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 56.71 −33.5 −19.34
LAB*LABa 56.71 −33.5 −19.34
LAB*TCHa 50.0 38.7 210.0
relative CIELAB *lab**
lab*lab 0.5 −0.432 −0.249
lab*tch 0.5 0.5 0.583
lab*nch 0.25 0.5 0.583
relative Natural Colour (NC)
lab*lrj 0.5 −0.386 −0.315
lab*tce 0.5 0.5 0.609
lab*ncE 0.25 0.5 g43b

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 37.36 −33.5 −19.34
LAB*LABa 37.36 −33.5 −19.34
LAB*TCHa 25.01 38.69 210.0
relative CIELAB *lab**
lab*lab 0.25 −0.432 −0.249
lab*tch 0.25 0.5 0.583
lab*nch 0.5 0.5 0.583
relative Natural Colour (NC)
lab*lrj 0.25 −0.386 −0.315
lab*tce 0.25 0.5 0.609
lab*ncE 0.5 0.5 g43b

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 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 66.38 −50.26 −29.01
LAB*LABa 66.38 −50.26 −29.01
LAB*TCHa 62.5 58.04 210.0
relative CIELAB *lab**
lab*lab 0.625 −0.648 −0.374
lab*tch 0.625 0.75 0.583
lab*nch 0.0 0.75 0.583
relative Natural Colour (NC)
lab*lrj 0.625 −0.58 −0.474
lab*tce 0.625 0.75 0.609
lab*ncE 0.0 0.75 g43b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 0.75
cmyn4* 0.75 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 47.04 −50.26 −29.01
LAB*LABa 47.04 −50.26 −29.01
LAB*TCHa 37.51 58.04 210.0
relative CIELAB *lab**
lab*lab 0.375 −0.648 −0.374
lab*tch 0.375 0.75 0.583
lab*nch 0.25 0.75 0.583
relative Natural Colour (NC)
lab*lrj 0.375 −0.58 −0.474
lab*tce 0.375 0.75 0.609
lab*ncE 0.25 0.75 g43b

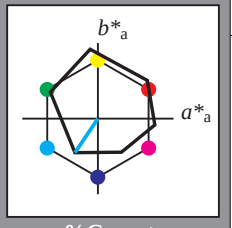
relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 1.0
cmyn4* 1.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 −67.01 −38.68
LAB*LABa 56.71 −67.01 −38.68
LAB*TCHa 50.0 77.38 210.0
relative CIELAB *lab**
lab*lab 0.5 −0.865 −0.499
lab*tch 0.5 1.0 0.583
lab*nch 0.0 1.0 0.583
relative Natural Colour (NC)
lab*lrj 0.5 −0.773 −0.632
lab*tce 0.5 1.0 0.609
lab*ncE 0.0 1.0 g43b

Output: Colorimetric Offset 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^*



%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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

0,25 0,50 0,75 1,00

chromaticness c^*

blackness n^*

n^* = 1,0 n^* = 0,50 n^* = 0,25 n^* = 0,00

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 −0.98 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* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 −0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative CIELAB *lab**
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 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 −0.24 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 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative CIELAB *lab**
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.02 0.5 −0.47
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* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 1.0
cmyn4* 0.25 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 86.21 −8.39 −7.1
LAB*LABa 86.21 −7.57 −11.24
LAB*TCHa 87.5 13.57 236.02
relative CIELAB *lab**
lab*lab 0.881 −0.139 −0.206
lab*tch 0.875 0.25 0.656
lab*nch 0.0 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.881 −0.123 −0.216
lab*tce 0.875 0.25 0.667
lab*ncE 0.0 0.25 g66b

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.75 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 0.75 1.0 1.0 0.75
cmyn4* 0.25 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 66.86 −8.02 −8.42
LAB*LABa 66.86 −7.58 −11.25
LAB*TCHa 62.5 13.57 236.02
relative CIELAB *lab**
lab*lab 0.631 −0.139 −0.206
lab*tch 0.625 0.25 0.656
lab*nch 0.25 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.631 −0.123 −0.216
lab*tce 0.625 0.25 0.667
lab*ncE 0.25 0.25 g66b

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.5 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 0.5
cmyn4* 0.25 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.51 −7.64 −9.72
LAB*LABa 47.51 −7.58 −11.25
LAB*TCHa 37.5 13.57 236.02
relative CIELAB *lab**
lab*lab 0.381 −0.139 −0.206
lab*tch 0.375 0.25 0.656
lab*nch 0.5 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.381 −0.123 −0.216
lab*tce 0.375 0.25 0.667
lab*ncE 0.5 0.25 g66b

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.75 1.0 1.0 0.25
cmyn4* 0.25 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 28.17 −7.27 −11.03
LAB*LABa 28.17 −7.57 −11.24
LAB*TCHa 12.5 13.57 236.02
relative CIELAB *lab**
lab*lab 0.131 −0.139 −0.206
lab*tch 0.125 0.25 0.656
lab*nch 0.75 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.131 −0.123 −0.216
lab*tce 0.125 0.25 0.667
lab*ncE 0.75 0.25 g66b

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 67.81 −23.21 −30.86
LAB*LABa 67.81 −22.75 −33.75
LAB*TCHa 62.5 40.72 236.02
relative CIELAB *lab**
lab*lab 0.643 −0.418 −0.621
lab*tch 0.625 0.75 0.656
lab*nch 0.0 0.75 0.656
relative Natural Colour (NC)
lab*lrj 0.643 −0.371 −0.65
lab*tce 0.625 0.75 0.667
lab*ncE 0.0 0.75 g66b

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 58.62 −30.61 −42.73
LAB*LABa 58.62 −30.33 −45.01
LAB*TCHa 50.0 54.29 236.02
relative CIELAB *lab**
lab*lab 0.525 −0.558 −0.828
lab*tch 0.5 1.0 0.656
lab*nch 0.0 1.0 0.656
relative Natural Colour (NC)
lab*lrj 0.525 −0.496 −0.867
lab*tce 0.5 1.0 0.667
lab*ncE 0.0 1.0 g66b

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 1.0 1.0 0.75
cmyn4* 0.25 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 57.67 −15.43 −20.29
LAB*LABa 57.67 −15.16 −22.5
LAB*TCHa 50.0 27.15 236.02
relative CIELAB *lab**
lab*lab 0.512 −0.278 −0.414
lab*tch 0.5 0.5 0.656
lab*nch 0.25 0.5 0.656
relative Natural Colour (NC)
lab*lrj 0.512 −0.247 −0.433
lab*tce 0.5 0.5 0.667
lab*ncE 0.25 0.5 g66b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 0.75
cmyn4* 0.75 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 48.47 −22.83 −32.17
LAB*LABa 48.47 −22.75 −33.75
LAB*TCHa 37.51 40.72 236.02
relative CIELAB *lab**
lab*lab 0.394 −0.418 −0.621
lab*tch 0.375 0.75 0.656
lab*nch 0.25 0.75 0.656
relative Natural Colour (NC)
lab*lrj 0.394 −0.371 −0.65
lab*tce 0.375 0.75 0.667
lab*ncE 0.25 0.75 g66b

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 38.32 −15.05 −21.6
LAB*LABa 38.32 −15.16 −22.5
LAB*TCHa 25.01 27.14 236.02
relative CIELAB *lab**
lab*lab 0.262 −0.278 −0.414
lab*tch 0.25 0.5 0.656
lab*nch 0.5 0.5 0.656
relative Natural Colour (NC)
lab*lrj 0.262 −0.247 −0.433
lab*tce 0.25 0.5 0.667
lab*ncE 0.5 0.5 g66b

OE570−7, 5 step scales for constant CIELAB hue 210/360 = 0.583 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

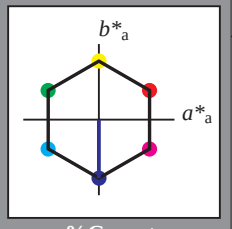
BAM registration: 20060101-OE57/10L/L57E04FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 5/10, Serie: 1/1, Page: 5 Page: count: 5

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 270/360 = 0.75$
lab*tch* and *lab*nch

D65: hue V
LCH*Ma: 57 77 270
olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

u^*_{rel} = 100

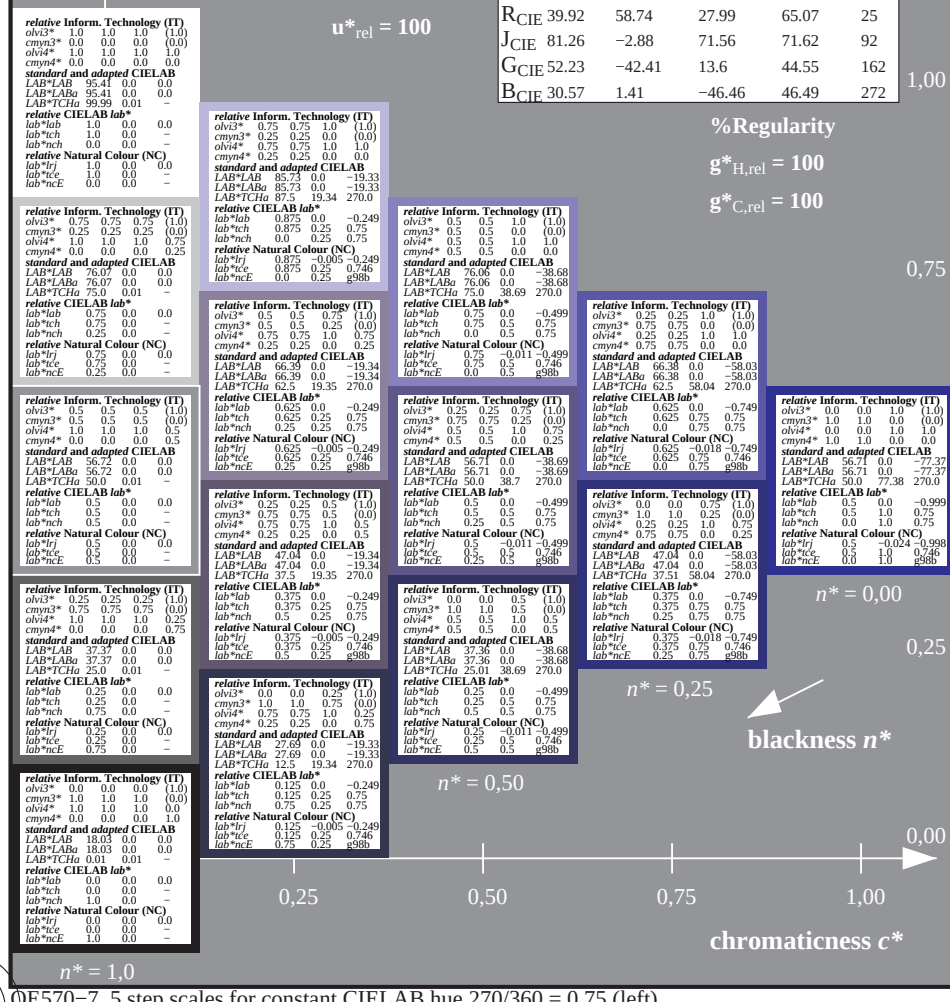
SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity

$g^*_{H,rel}$ = 100

$g^*_{C,rel}$ = 100

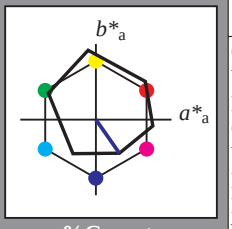


Output: Colorimetric Offset Reflective System ORS18

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^*



%Gamut

u^*_{rel} = 93

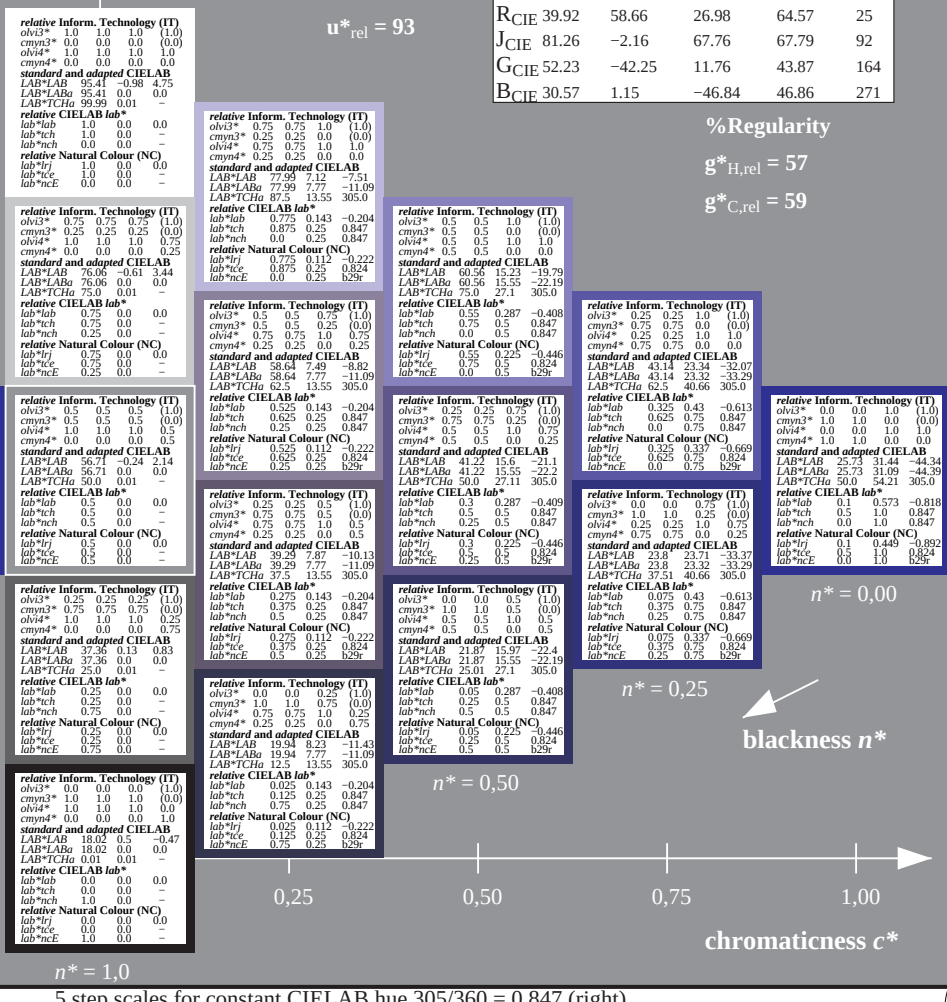
ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularity

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

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



OE570−7, 5 step scales for constant CIELAB hue 270/360 = 0.75 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

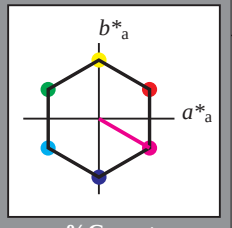
www.ps.bam.de/OE57/10L/L57E05FP.PS/.PDF; linearized output
F: Output Linearization (OL) data OE57/10L/L57E05FP.DAT in File (F)

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 330/360 = 0.917$
*lab*tch* and *lab*nch*

D65: hue M
LCH*Ma: 57 77 330
olv*Ma: 1.0 0.0 1.0

triangle lightness t^*

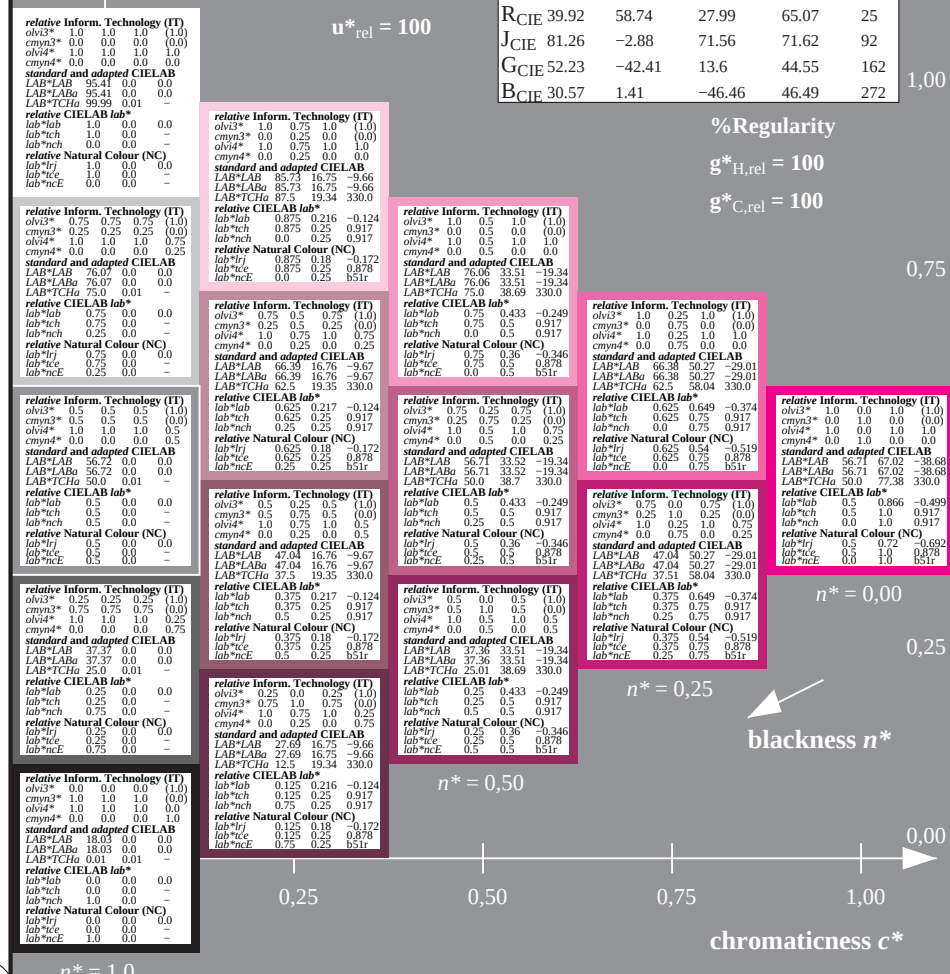


%Gamut
$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel} = 100$
$g^*_{C,rel} = 100$

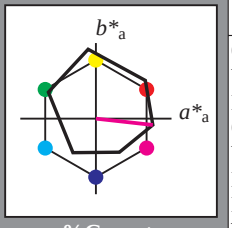


Output: Colorimetric Offset Reflective System ORS18

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^*

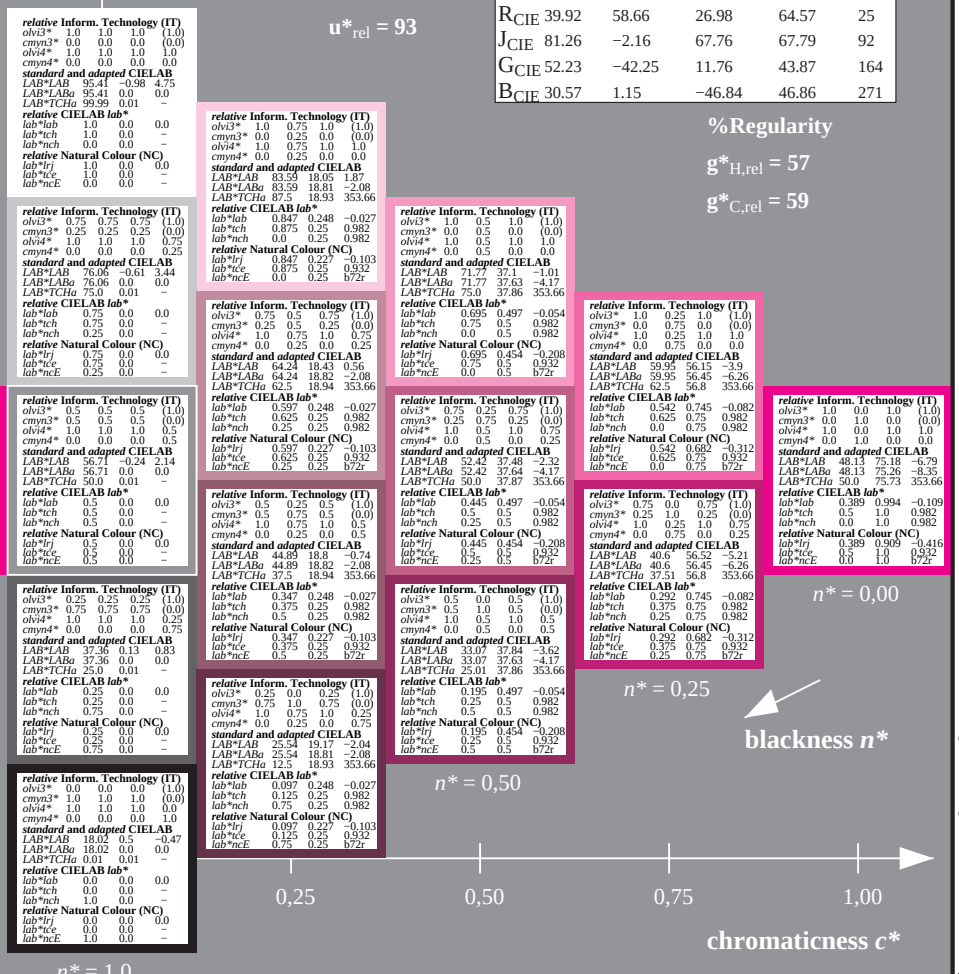


%Gamut
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



OE570−7, 5 step scales for constant CIELAB hue 330/360 = 0.917 (left)
5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

BAM registration: 20060101-OE57/10L/L57E05FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 6/10, Serie: 1/1, Page: 6 Page: count: 6

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

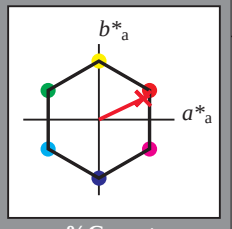
BAM registration: 20060101-OE57/10L/L57E06FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 7/10, Serie: 1/1, Page: 7 Page: count: 7

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 25/360 = 0.071$
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 57 74 25
olv*Ma: 1.0 0.0 0.09

triangle lightness t^*

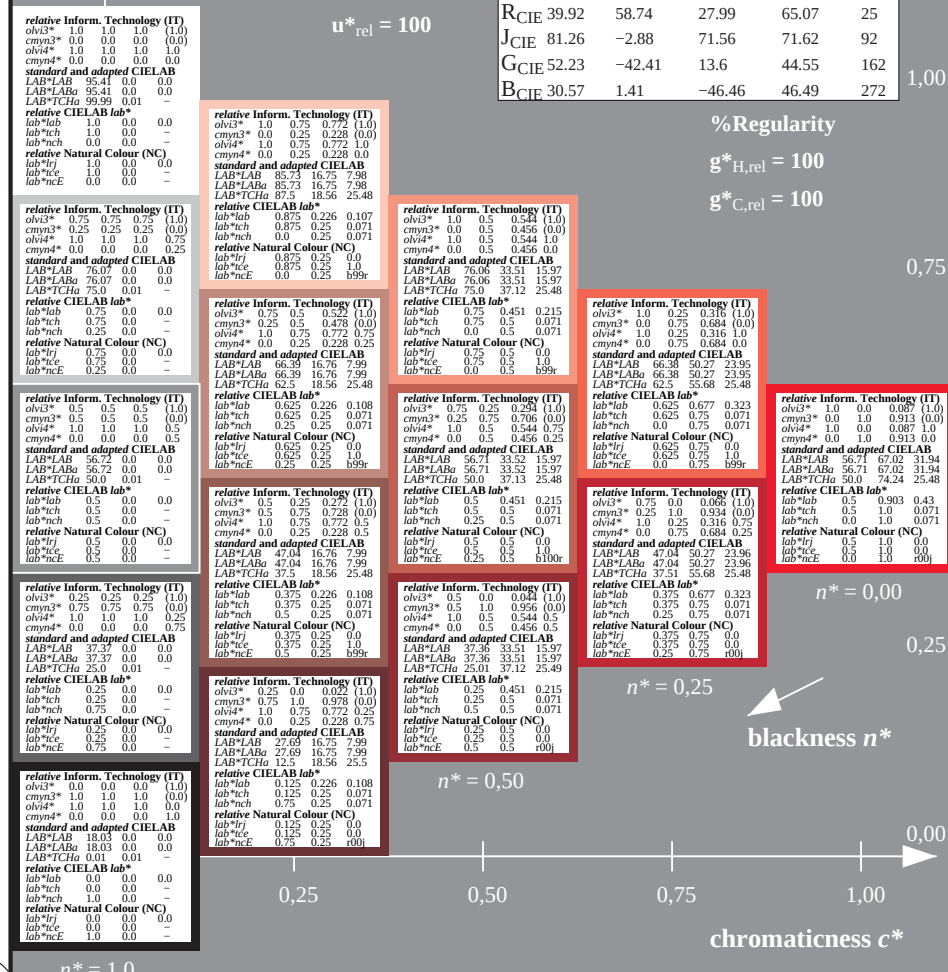


%Gamut
$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel} = 100$
$g^*_{C,rel} = 100$

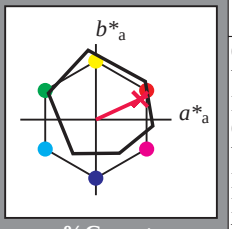


Output: Colorimetric Offset Reflective System ORS18

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^*

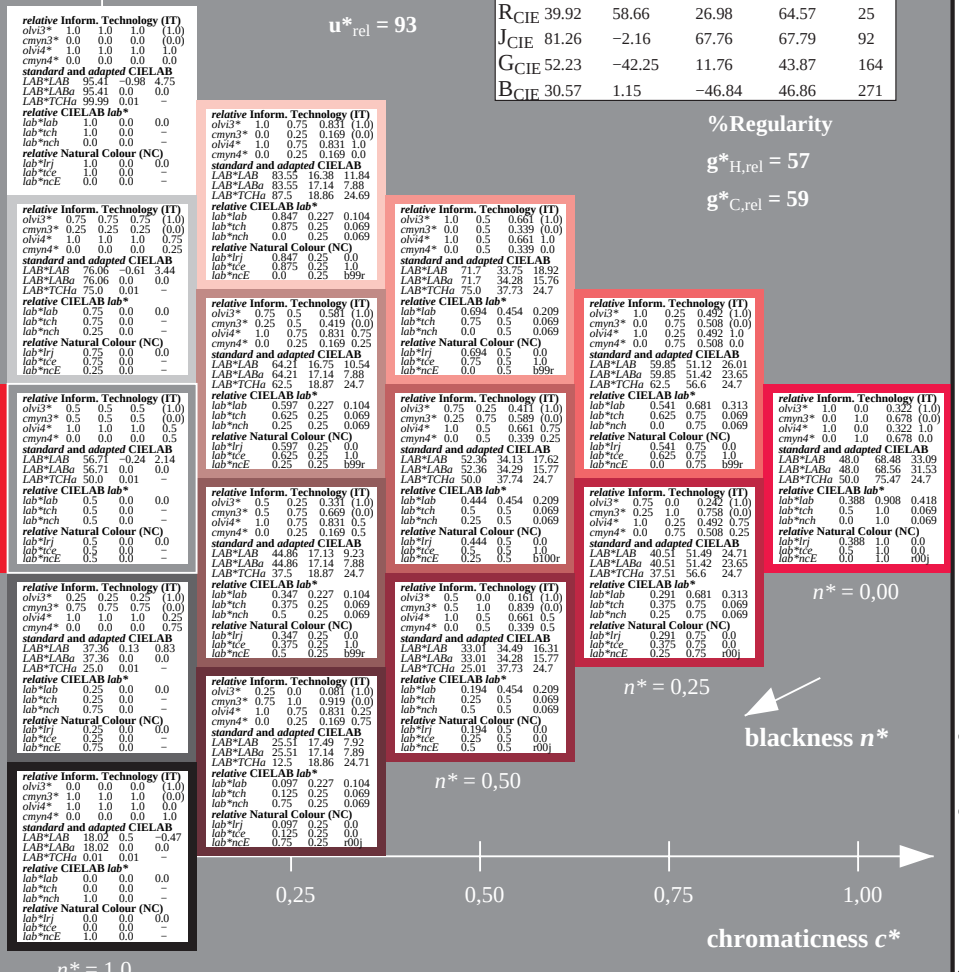


%Gamut
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



OE570−7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

www.ps.bam.de/OE57/10L/L57E07FP.PS/.PDF; linearized output
F: Output Linearization (OL) data OE57/10L/L57E07FP.DAT in File (F)

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

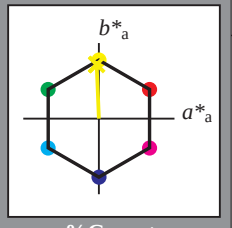
BAM registration: 20060101-OE57/10L/L57E07FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 8/10, Serie: 1/1, Page: 8 Page: count: 8

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 92/360 = 0.256$
*lab*tch* and *lab*nch*

D65: hue J
LCH*Ma: 57 76 92
olv*Ma: 0.95 1.0 0.0

triangle lightness t^*

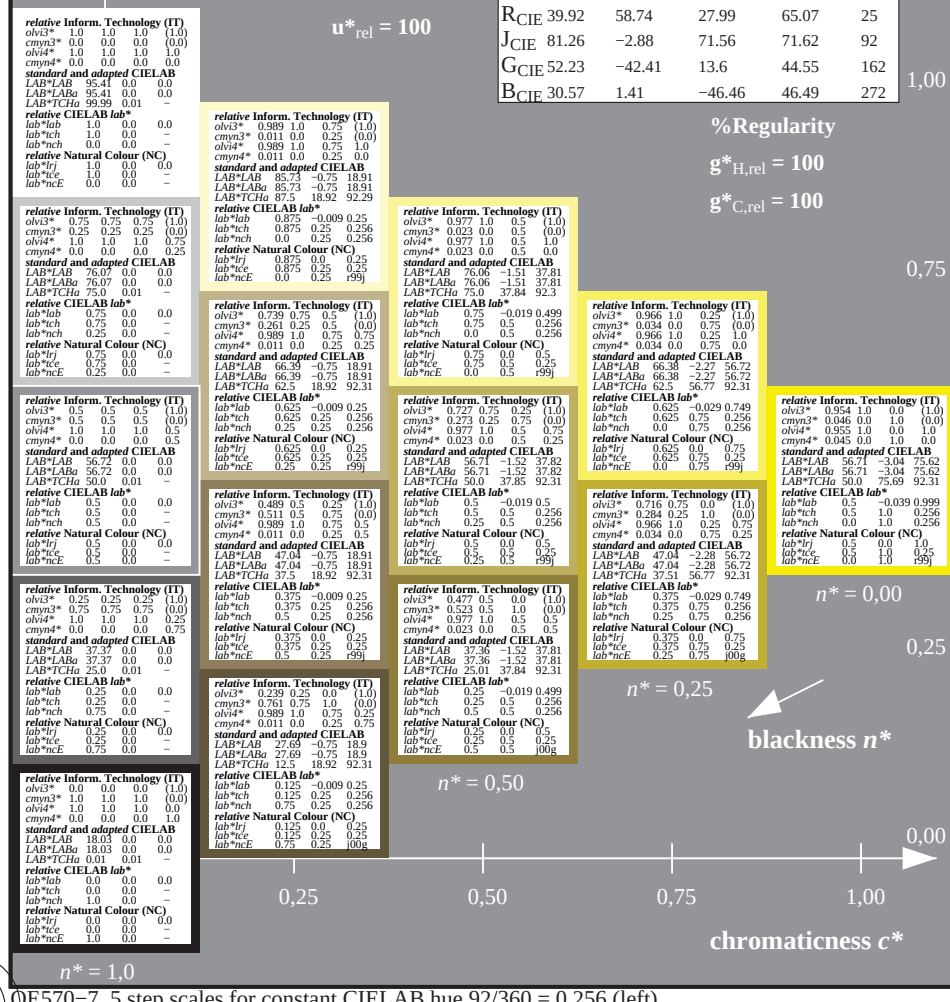


%Gamut
$u^*_{rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel} = 100$
$g^*_{C,rel} = 100$

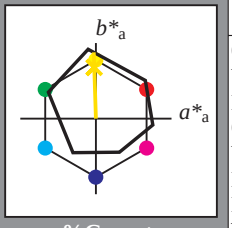


Output: Colorimetric Offset Reflective System ORS18

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^*

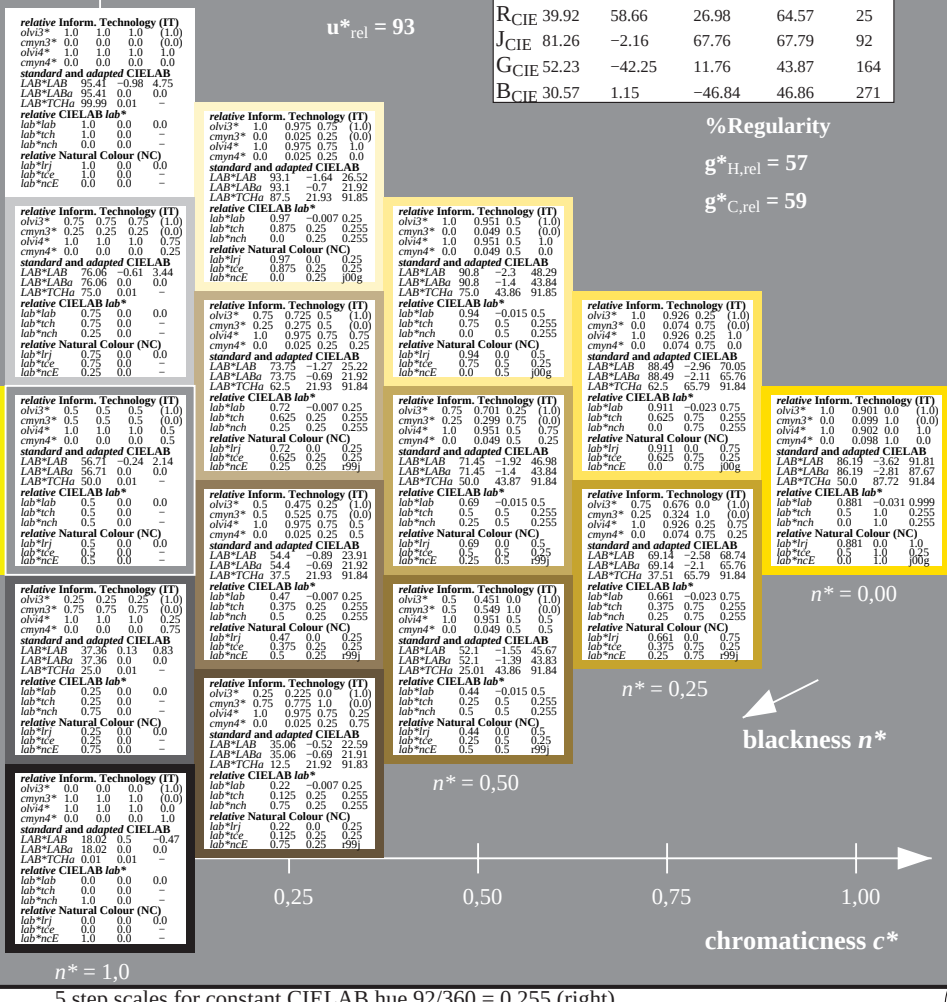


%Gamut
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



OE570−7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)
5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

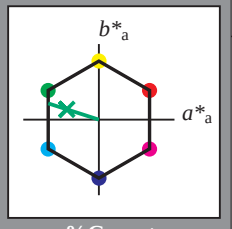
BAM registration: 20060101-OE57/10L/L57E08FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 9/10, Serie: 1/1, Page: 9 Page: count: 9

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 162/360 = 0.451$
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 57 70 162
olv*Ma: 0.0 1.0 0.22

triangle lightness t^*



%Gamut
u^*_{rel} = 100

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

1,00

0,75

0,25

0,00

n^* = 1,0

n^* = 0,50

n^* = 0,25

n^* = 0,00

blackness n^*

0,25 0,50 0,75 1,00

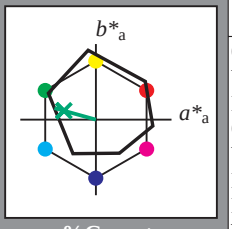
chromaticness c^*

Output: Colorimetric Offset 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^*



%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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

n^* = 1,0

n^* = 0,50

n^* = 0,25

n^* = 0,00

blackness n^*

0,25 0,50 0,75 1,00

chromaticness c^*

OE570−7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

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

BAM-test chart OE57; Colorimetric systems SRS18 & ORS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

input: *cmy0* setcmykcolor*
output: *cmy0* / 000n* setcmykcolor*

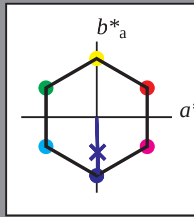
See for similar files: http://www.ps.bam.de/OE57/
Technical information: http://www.ps.bam.de Version 2.1, io=0,0, CIELAB

Input: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab^*h = 272/360 = 0.755$
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 57 76 272
olv*Ma: 0.03 0.0 1.0

triangle lightness t^*



%Gamut
u^*_{rel} = 100

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	56.71	67.03	38.7	77.4	30
Y_{Ma}	56.71	0.0	77.4	77.4	90
L_{Ma}	56.71	−67.02	38.7	77.4	150
C_{Ma}	56.71	−67.02	−38.69	77.4	210
V_{Ma}	56.71	0.0	−77.39	77.4	270
M_{Ma}	56.71	67.03	−38.69	77.4	330
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 100
$g^*_{C,rel}$ = 100

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* 0.759 0.75 1.0 (1.0)
cmyn3* 0.241 0.25 0.0 (0.0)
olvi4* 0.759 0.75 1.0 1.0
cmyn4* 0.241 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 85.73 0.58 −19.0
LAB*LABa 85.73 0.58 −19.0
LAB*TCHa 87.5 19.02 271.74
relative CIELAB lab*
lab*lab 0.875 0.008 −0.249
lab*tch 0.875 0.25 0.755
lab*nch 0.0 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.875 0.0 −0.249
lab*tce 0.875 0.25 0.75
lab*ncE 0.0 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 0.0 –

relative Inform. Technology (IT)
olvi3* 0.509 0.5 0.75 (1.0)
cmyn3* 0.491 0.5 0.25 (0.0)
olvi4* 0.759 0.75 1.0 0.75
cmyn4* 0.241 0.25 0.0 0.25
standard and adapted CIELAB
LAB*LAB 66.39 0.58 −19.01
LAB*LABa 66.39 0.58 −19.01
LAB*TCHa 62.5 19.03 271.74
relative CIELAB lab*
lab*lab 0.625 0.008 −0.249
lab*tch 0.625 0.25 0.755
lab*nch 0.25 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.625 0.0 −0.249
lab*tce 0.625 0.25 0.75
lab*ncE 0.25 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.517 0.5 1.0 (1.0)
cmyn3* 0.483 0.5 0.0 (0.0)
olvi4* 0.517 0.5 1.0 1.0
cmyn4* 0.483 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 76.06 1.15 −38.02
LAB*LABa 76.06 1.15 −38.02
LAB*TCHa 75.0 38.04 271.74
relative CIELAB lab*
lab*lab 0.75 0.015 −0.499
lab*tch 0.75 0.5 0.755
lab*nch 0.0 0.5 0.755
relative Natural Colour (NC)
lab*lrj 0.75 0.0 −0.499
lab*tce 0.75 0.5 0.75
lab*ncE 0.0 0.5 b00r

relative Inform. Technology (IT)
olvi3* 0.276 0.25 1.0 (1.0)
cmyn3* 0.724 0.75 0.0 (0.0)
olvi4* 0.276 0.25 1.0 1.0
cmyn4* 0.724 0.75 0.0 0.0
standard and adapted CIELAB
LAB*LAB 66.38 1.73 −57.03
LAB*LABa 66.38 1.73 −57.03
LAB*TCHa 62.5 57.07 271.74
relative CIELAB lab*
lab*lab 0.625 0.023 −0.749
lab*tch 0.625 0.75 0.755
lab*nch 0.0 0.75 0.755
relative Natural Colour (NC)
lab*lrj 0.625 0.0 −0.749
lab*tce 0.625 0.75 0.75
lab*ncE 0.0 0.75 b00r

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 56.72 0.0 0.0
LAB*LABa 56.72 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* 0.267 0.25 0.75 (1.0)
cmyn3* 0.733 0.75 0.25 (0.0)
olvi4* 0.517 0.5 1.0 0.75
cmyn4* 0.483 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 56.71 1.15 −38.02
LAB*LABa 56.71 1.15 −38.02
LAB*TCHa 50.0 38.05 271.74
relative CIELAB lab*
lab*lab 0.5 0.015 −0.499
lab*tch 0.5 0.5 0.755
lab*nch 0.25 0.5 0.755
relative Natural Colour (NC)
lab*lrj 0.5 0.0 −0.499
lab*tce 0.5 0.5 0.75
lab*ncE 0.25 0.5 b00r

relative Inform. Technology (IT)
olvi3* 0.034 0.0 1.0 (1.0)
cmyn3* 0.966 1.0 0.0 (0.0)
olvi4* 0.035 0.0 1.0 1.0
cmyn4* 0.965 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 2.3 −76.05
LAB*LABa 56.71 2.3 −76.05
LAB*TCHa 50.0 76.09 271.73
relative CIELAB lab*
lab*lab 0.5 0.03 −0.998
lab*tch 0.5 1.0 0.755
lab*nch 0.0 1.0 0.755
relative Natural Colour (NC)
lab*lrj 0.5 0.0 −0.999
lab*tce 0.5 1.0 0.75
lab*ncE 0.0 1.0 g99b

relative Inform. Technology (IT)
olvi3* 0.259 0.25 0.5 (1.0)
cmyn3* 0.741 0.75 0.5 (0.0)
olvi4* 0.759 0.75 1.0 0.5
cmyn4* 0.241 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.04 0.58 −19.01
LAB*LABa 47.04 0.58 −19.01
LAB*TCHa 37.5 19.03 271.74
relative CIELAB lab*
lab*lab 0.375 0.008 −0.249
lab*tch 0.375 0.25 0.755
lab*nch 0.5 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.375 0.0 −0.249
lab*tce 0.375 0.25 0.75
lab*ncE 0.5 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.026 0.0 0.75 (1.0)
cmyn3* 0.974 1.0 0.25 (0.0)
olvi4* 0.276 0.25 1.0 0.75
cmyn4* 0.724 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 47.04 1.72 −57.04
LAB*LABa 47.04 1.72 −57.04
LAB*TCHa 37.51 57.07 271.73
relative CIELAB lab*
lab*lab 0.375 0.023 −0.749
lab*tch 0.375 0.75 0.755
lab*nch 0.25 0.75 0.755
relative Natural Colour (NC)
lab*lrj 0.375 0.0 −0.749
lab*tce 0.375 0.75 0.75
lab*ncE 0.25 0.75 g99b

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

relative Inform. Technology (IT)
olvi3* 0.017 0.0 0.5 (1.0)
cmyn3* 0.983 1.0 0.5 (0.0)
olvi4* 0.517 0.5 1.0 0.5
cmyn4* 0.483 0.5 0.0 0.5
standard and adapted CIELAB
LAB*LAB 37.36 1.15 −38.02
LAB*LABa 37.36 1.15 −38.02
LAB*TCHa 25.01 38.05 271.73
relative CIELAB lab*
lab*lab 0.25 0.015 −0.499
lab*tch 0.25 0.5 0.755
lab*nch 0.5 0.5 0.755
relative Natural Colour (NC)
lab*lrj 0.25 0.0 −0.499
lab*tce 0.25 0.5 0.75
lab*ncE 0.5 0.5 g99b

relative Inform. Technology (IT)
olvi3* 0.009 0.0 0.25 (1.0)
cmyn3* 0.991 1.0 0.75 (0.0)
olvi4* 0.759 0.75 1.0 0.25
cmyn4* 0.241 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 27.69 0.57 −19.0
LAB*LABa 27.69 0.57 −19.0
LAB*TCHa 12.5 19.02 271.72
relative CIELAB lab*
lab*lab 0.125 0.007 −0.249
lab*tch 0.125 0.25 0.755
lab*nch 0.75 0.25 0.755
relative Natural Colour (NC)
lab*lrj 0.125 0.0 −0.249
lab*tce 0.125 0.25 0.75
lab*ncE 0.75 0.25 g99b

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 18.03 0.0 0.0
LAB*LABa 18.03 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 –

n^* = 0,00
n^* = 0,25
n^* = 0,50
n^* = 1,0

blackness n^*

1,00 0,75 0,25 0,00

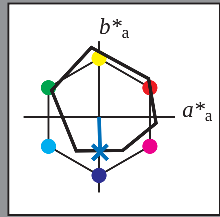
0,25 0,50 0,75 1,00
chromaticness c^*

Output: Colorimetric Offset 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^*



%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%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 −0.98 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* 0.75 0.872 1.0 (1.0)
cmyn3* 0.25 0.128 0.0 (0.0)
olvi4* 0.75 0.872 1.0 1.0
cmyn4* 0.25 0.128 0.0 0.0
standard and adapted CIELAB
LAB*LAB 82.0 −0.45 −7.31
LAB*LABa 82.0 0.27 −11.16
LAB*TCHa 87.5 11.18 271.39
relative CIELAB lab*
lab*lab 0.827 0.006 −0.249
lab*tch 0.875 0.25 0.754
lab*nch 0.0 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.827 0.0 −0.249
lab*tce 0.875 0.25 0.75
lab*ncE 0.0 0.25 g99b

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 −0.61 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 0.0 –

relative Inform. Technology (IT)
olvi3* 0.5 0.744 1.0 (1.0)
cmyn3* 0.5 0.256 0.0 (0.0)
olvi4* 0.5 0.744 1.0 1.0
cmyn4* 0.5 0.256 0.0 0.0
standard and adapted CIELAB
LAB*LAB 68.6 0.07 −19.39
LAB*LABa 68.6 0.55 −22.34
LAB*TCHa 75.0 22.36 271.4
relative CIELAB lab*
lab*lab 0.654 0.012 −0.499
lab*tch 0.75 0.5 0.754
lab*nch 0.0 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.654 0.0 −0.499
lab*tce 0.75 0.5 0.75
lab*ncE 0.0 0.5 g99b

relative Inform. Technology (IT)
olvi3* 0.5 0.622 0.75 (1.0)
cmyn3* 0.5 0.378 0.25 (0.0)
olvi4* 0.75 0.872 1.0 0.75
cmyn4* 0.25 0.128 0.0 0.25
standard and adapted CIELAB
LAB*LAB 62.65 −0.07 −8.62
LAB*LABa 62.65 0.27 −11.17
LAB*TCHa 62.5 11.18 271.41
relative CIELAB lab*
lab*lab 0.577 0.006 −0.249
lab*tch 0.625 0.25 0.754
lab*nch 0.25 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.577 0.0 −0.249
lab*tce 0.625 0.25 0.75
lab*ncE 0.25 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.25 0.616 1.0 (1.0)
cmyn3* 0.75 0.384 0.0 (0.0)
olvi4* 0.25 0.616 1.0 1.0
cmyn4* 0.75 0.384 0.0 0.0
standard and adapted CIELAB
LAB*LAB 55.19 0.61 −31.48
LAB*LABa 55.19 0.82 −33.52
LAB*TCHa 62.5 33.54 271.4
relative CIELAB lab*
lab*lab 0.48 0.018 −0.749
lab*tch 0.625 0.75 0.754
lab*nch 0.0 0.75 0.754
relative Natural Colour (NC)
lab*lrj 0.48 0.0 −0.749
lab*tce 0.625 0.75 0.75
lab*ncE 0.0 0.75 g99b

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 −0.24 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* 0.25 0.494 0.75 (1.0)
cmyn3* 0.75 0.506 0.25 (0.0)
olvi4* 0.5 0.744 1.0 0.75
cmyn4* 0.5 0.256 0.0 0.25
standard and adapted CIELAB
LAB*LAB 49.25 0.45 −20.7
LAB*LABa 49.25 0.55 −22.35
LAB*TCHa 50.0 22.36 271.41
relative CIELAB lab*
lab*lab 0.404 0.012 −0.499
lab*tch 0.5 0.5 0.754
lab*nch 0.25 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.404 0.0 −0.499
lab*tce 0.5 0.5 0.75
lab*ncE 0.25 0.5 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.488 1.0 (1.0)
cmyn3* 1.0 0.512 0.0 (0.0)
olvi4* 0.0 0.488 1.0 1.0
cmyn4* 1.0 0.512 0.0 0.0
standard and adapted CIELAB
LAB*LAB 41.79 1.14 −43.55
LAB*LABa 41.79 1.1 −44.69
LAB*TCHa 50.0 44.71 271.41
relative CIELAB lab*
lab*lab 0.307 0.025 −0.998
lab*tch 0.5 1.0 0.754
lab*nch 0.0 1.0 0.754
relative Natural Colour (NC)
lab*lrj 0.307 0.0 −0.999
lab*tce 0.5 1.0 0.75
lab*ncE 0.0 1.0 b00r

relative Inform. Technology (IT)
olvi3* 0.25 0.372 0.5 (1.0)
cmyn3* 0.75 0.628 0.5 (0.0)
olvi4* 0.75 0.872 1.0 0.5
cmyn4* 0.25 0.128 0.0 0.5
standard and adapted CIELAB
LAB*LAB 43.3 0.29 −9.93
LAB*LABa 43.3 0.27 −11.17
LAB*TCHa 37.5 11.18 271.41
relative CIELAB lab*
lab*lab 0.327 0.006 −0.249
lab*tch 0.375 0.25 0.754
lab*nch 0.5 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.327 0.0 −0.249
lab*tce 0.375 0.25 0.75
lab*ncE 0.5 0.25 b00r

relative Inform. Technology (IT)
olvi3* 0.0 0.366 0.75 (1.0)
cmyn3* 1.0 0.634 0.25 (0.0)
olvi4* 0.25 0.616 1.0 0.75
cmyn4* 0.75 0.384 0.0 0.25
standard and adapted CIELAB
LAB*LAB 35.84 0.98 −32.78
LAB*LABa 35.84 0.83 −33.52
LAB*TCHa 37.51 33.54 271.41
relative CIELAB lab*
lab*lab 0.23 0.019 −0.749
lab*tch 0.375 0.75 0.754
lab*nch 0.25 0.75 0.754
relative Natural Colour (NC)
lab*lrj 0.23 0.0 −0.749
lab*tce 0.375 0.75 0.75
lab*ncE 0.25 0.75 b00r

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

relative Inform. Technology (IT)
olvi3* 0.0 0.244 0.5 (1.0)
cmyn3* 1.0 0.756 0.5 (0.0)
olvi4* 0.5 0.744 1.0 0.5
cmyn4* 0.5 0.256 0.0 0.5
standard and adapted CIELAB
LAB*LAB 29.9 0.82 −22.01
LAB*LABa 29.9 0.55 −22.34
LAB*TCHa 25.01 22.36 271.42
relative CIELAB lab*
lab*lab 0.154 0.012 −0.499
lab*tch 0.25 0.5 0.754
lab*nch 0.5 0.5 0.754
relative Natural Colour (NC)
lab*lrj 0.154 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 0.122 0.25 (1.0)
cmyn3* 1.0 0.878 0.75 (0.0)
olvi4* 0.75 0.872 1.0 0.25
cmyn4* 0.25 0.128 0.0 0.75
standard and adapted CIELAB
LAB*LAB 23.96 0.66 −11.23
LAB*LABa 23.96 0.28 −11.16
LAB*TCHa 12.5 11.18 271.43
relative CIELAB lab*
lab*lab 0.077 0.006 −0.249
lab*tch 0.125 0.25 0.754
lab*nch 0.75 0.25 0.754
relative Natural Colour (NC)
lab*lrj 0.077 0.0 −0.249
lab*tce 0.125 0.25 0.75
lab*ncE 0.75 0.25 b00r

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 −0.47
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
n^* = 0,25
n^* = 0,50
n^* = 1,0

blackness n^*

0,25 0,50 0,75 1,00
chromaticness c^*

BAM registration: 20060101-OE57/10L/L57E09FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/OE57/ Form: 10/10, Serie: 1/1, Page: 10 Page: count: 10

OE570−7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left) 5 step scales for constant CIELAB hue 271/360 = 0.754 (right)