

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1?

Input: Colorimetric Offset Reflective System ORS18

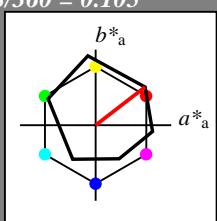
for hue $h^* = lab^*h = 38/360 = 0.105$
 lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 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)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -

$n^* = 1,0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv3* 1.0 0.5 0.5 (1.0)
 cmyn3* 0.0 0.5 0.5 (0.0)

olv4* 1.0 0.5 0.5 1.0
 cmyn4* 0.0 0.5 0.5 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)

olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 0.0 0.0 0.5
 cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 71.67 32.15 28.41
 LAB^*LABa 71.67 32.69 25.25
 LAB^*TChA 75.0 41.31 37.69

relative CIELAB lab*

lab*lab 0.693 0.396 0.306
 lab*tch 0.75 0.5 0.105
 lab*nch 0.0 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.693 0.477 0.15
 lab*tce 0.75 0.5 0.048
 lab*ncE 0.0 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.5 0.0 0.0 (1.0)
 cmyn3* 0.5 1.0 1.0 (0.0)

olv4* 1.0 0.5 0.5 0.5
 cmyn4* 0.0 0.5 0.5 0.5

standard and adapted CIELAB
 LAB^*LAB 47.94 65.3 52.06
 LAB^*LABa 47.94 65.37 50.51
 LAB^*TChA 50.0 82.61 37.69

relative CIELAB lab*

lab*lab 0.387 0.791 0.611
 lab*tch 0.5 1.0 0.105
 lab*nch 0.0 1.0 0.105

relative Natural Colour (NC)

lab*lrj 0.387 0.954 0.299
 lab*tce 0.5 1.0 0.048
 lab*ncE 0.0 1.0 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 0.0
 cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 47.72 65.3 52.06
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.387 0.791 0.611
 lab*tch 0.5 1.0 0.105
 lab*nch 0.0 1.0 0.105

relative Natural Colour (NC)

lab*lrj 0.387 0.954 0.299
 lab*tce 0.5 1.0 0.048
 lab*ncE 0.0 1.0 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 0.0
 cmyn4* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 47.72 65.3 52.06
 LAB^*LABa 47.72 0.0 0.0
 LAB^*TChA 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.387 0.791 0.611
 lab*tch 0.5 1.0 0.105
 lab*nch 0.0 1.0 0.105

relative Natural Colour (NC)

lab*lrj 0.387 0.954 0.299
 lab*tce 0.5 1.0 0.048
 lab*ncE 0.0 1.0 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)

lab*lrj 0.193 0.477 0.15
 lab*tce 0.25 0.5 0.048
 lab*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.193 0.396 0.306
 lab*tch 0.25 0.5 0.105
 lab*nch 0.5 0.5 0.105

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Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1?

Input: Colorimetric Offset Reflective System ORS18

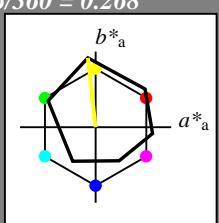
for hue $h^* = lab^*h = 96/360 = 0.268$
 lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 $olv^3* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$
 $cmy^3* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.98 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 1.0 \quad 0.0 \quad -$
 $lab^*nch \quad 0.0 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrij \quad 1.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 1.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)
 $olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy^3* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.98 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.5 \quad 0.0 \quad -$
 $lab^*nch \quad 0.5 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrij \quad 0.5 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.5 \quad 0.0 \quad -$
 $lab^*nCE \quad 0.5 \quad 0.0 \quad -$

relative Inform. Technology (IT)
 $olv^3* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy^3* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 18.02 \quad 0.5 \quad -0.47$
 $LAB^*LABa \quad 18.02 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 0.01 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*tch \quad 0.0 \quad 0.0 \quad -$
 $lab^*nch \quad 1.0 \quad 0.0 \quad -$

relative Natural Colour (NC)
 $lab^*lrij \quad 0.0 \quad 0.0 \quad 0.0$
 $lab^*ice \quad 0.0 \quad 0.0 \quad -$
 $lab^*nCE \quad 1.0 \quad 0.0 \quad -$

$n^* = 1.0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)
 $olv^3* 1.0 \quad 1.0 \quad 0.5 \quad (1.0)$
 $cmy^3* 0.0 \quad 0.0 \quad 0.5 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.967 \quad -0.055 \quad 0.497$

$lab^*tch \quad 0.75 \quad 0.5 \quad 0.268$

$lab^*nch \quad 0.0 \quad 0.5 \quad 0.268$

relative Natural Colour (NC)

$lab^*lrij \quad 0.967 \quad -0.048 \quad 0.497$

$lab^*ice \quad 0.75 \quad 0.5 \quad 0.266$

$lab^*nCE \quad 0.0 \quad 0.5 \quad j06g$

relative Inform. Technology (IT)
 $olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy^3* 0.5 \quad 0.5 \quad 0.5 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.5$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.5$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad -0.98 \quad 4.75$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.935 \quad -0.11 \quad 0.994$

$lab^*tch \quad 0.5 \quad 1.0 \quad 0.268$

$lab^*nch \quad 0.0 \quad 1.0 \quad 0.268$

relative Natural Colour (NC)

$lab^*lrij \quad 0.935 \quad -0.097 \quad 0.995$

$lab^*ice \quad 0.5 \quad 1.0 \quad 0.266$

$lab^*nCE \quad 0.0 \quad 1.0 \quad j06g$

relative Inform. Technology (IT)
 $olv^3* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy^3* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 18.02 \quad 0.5 \quad -0.47$
 $LAB^*LABa \quad 18.02 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 0.01 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.467 \quad -0.055 \quad 0.497$

$lab^*tch \quad 0.25 \quad 0.5 \quad 0.268$

$lab^*nch \quad 0.5 \quad 0.5 \quad 0.268$

relative Natural Colour (NC)

$lab^*lrij \quad 0.467 \quad -0.048 \quad 0.497$

$lab^*ice \quad 0.25 \quad 0.5 \quad 0.266$

$lab^*nCE \quad 0.5 \quad 0.5 \quad j06g$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 103/360 = 0.286$

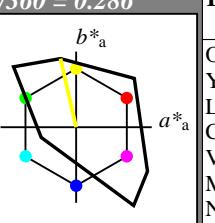
lab^*tch and lab^*nch

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{h,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)
 $olv^3* 1.0 \quad 1.0 \quad 1.0 \quad (1.0)$
 $cmy^3* 0.0 \quad 0.0 \quad 0.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 1.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 0.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*LABa \quad 95.41 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 99.99 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*tch \quad 1.0 \quad 0.0 \quad -$

$lab^*nch \quad 0.0 \quad 0.0 \quad -$

relative Natural Colour (NC)

$lab^*lrij \quad 1.0 \quad 0.0 \quad 0.0$

$lab^*ice \quad 1.0 \quad 0.0 \quad -$

$lab^*nCE \quad 0.0 \quad 0.0 \quad -$

relative Inform. Technology (IT)
 $olv^3* 0.5 \quad 0.5 \quad 0.5 \quad (1.0)$
 $cmy^3* 0.0 \quad 0.0 \quad 1.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 0.0 \quad 1.0$
 $cmy^4* 0.0 \quad 0.0 \quad 1.0 \quad 0.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 94.03 \quad -10.34 \quad 45.37$
 $LAB^*LABa \quad 94.03 \quad -10.34 \quad 45.37$
 $LAB^*TCh \quad 75.0 \quad 46.53 \quad 102.85$

relative CIELAB lab*

$lab^*lab \quad 0.985 \quad -0.116 \quad 0.486$

$lab^*tch \quad 0.75 \quad 0.5 \quad 0.288$

$lab^*nch \quad 0.0 \quad 0.5 \quad j15g$

relative Inform. Technology (IT)
 $olv^3* 0.0 \quad 0.0 \quad 0.0 \quad (1.0)$
 $cmy^3* 1.0 \quad 1.0 \quad 1.0 \quad (0.0)$
 $olv^4* 1.0 \quad 1.0 \quad 1.0 \quad 0.0$
 $cmy^4* 0.0 \quad 0.0 \quad 0.0 \quad 1.0$

standard and adapted CIELAB
 $LAB^*LAB \quad 0.03 \quad 0.0 \quad 0.0$
 $LAB^*LABa \quad 0.03 \quad 0.0 \quad 0.0$
 $LAB^*TCh \quad 0.01 \quad 0.01 \quad -$

relative CIELAB lab*

$lab^*lab \quad 0.0 \quad 0.0 \quad 0.0$

$lab^*tch \quad 0.0 \quad 0.0 \quad -$

$lab^*nch \quad 1.0 \quad 0.0 \quad -$

relative Natural Colour (NC)

$lab^*lrij \quad 0.0 \quad 0.0 \quad 0.0$

$lab^*ice \quad 0.0 \quad 0.0 \quad -$

$lab^*nCE \quad 1.0 \quad 0.0 \quad -$

$n^* = 1.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

$chromaticness c^*$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 0.00$

blackness n^*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

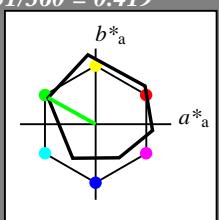
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv13* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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)

olv13* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 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)

olv13* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 -

$n^* = 1,0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv13* 0.5 1.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 0.5 1.0 0.5 1.0

cmyn4* 0.0 0.0 0.5 0.0

standard and adapted CIELAB

LAB*LAB 73.15 -31.96 20.73

LAB*LABa 73.15 -31.4 17.48

LAB*TChA 75.0 35.95 150.91

relative CIELAB lab*

lab*lab 0.712 -0.478 0.144

lab*tch 0.75 0.5 0.453

lab*nch 0.0 0.5 j81g

relative Inform. Technology (IT)

olv13* 0.0 0.5 0.0 (1.0)

cmyn3* 1.0 0.5 1.0 (0.0)

olv4* 0.5 1.0 0.5 0.5

cmyn4* 0.5 0.0 0.5 0.5

standard and adapted CIELAB

LAB*LAB 50.9 -62.95 36.7

LAB*LABa 50.9 -62.81 34.95

LAB*TChA 50.0 71.89 150.91

relative CIELAB lab*

lab*lab 0.425 -0.873 0.486

lab*tch 0.5 1.0 0.419

lab*nch 0.0 1.0 0.419

relative Natural Colour (NC)

lab*lrj 0.425 -0.956 0.289

lab*tce 0.5 1.0 0.453

lab*ncE 0.0 1.0 j81g

relative Inform. Technology (IT)

olv13* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 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 0.213 -0.478 0.144

lab*tch 0.25 0.5 0.453

lab*nch 0.5 0.5 j81g

$n^* = 0,00$

$n^* = 0,00$
 blackness n^*
 chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 136/360 = 0.378$

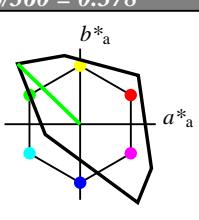
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$
 %Regularity
 $g^*_{h,rel} = 20$
 $g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olv13* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 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)

olv13* 0.5 1.0 0.5 (1.0)

cmyn3* 0.5 0.0 0.5 (0.0)

olv4* 0.5 1.0 0.5 1.0

cmyn4* 0.0 0.0 0.5 0.0

standard and adapted CIELAB

LAB*LAB 89.51 -41.36 39.94

LAB*LABa 89.51 -41.36 39.94

LAB*TChA 75.0 57.51 136.01

relative CIELAB lab*

lab*lab 0.938 -0.359 0.347

lab*tch 0.75 0.5 0.378

lab*nch 0.0 0.5 0.378

relative Natural Colour (NC)

lab*lrj 0.938 -0.415 0.278

lab*tce 0.75 0.5 0.406

lab*ncE 0.0 0.5 j62g

$n^* = 1,0$

TLS00; adapted (a) CIELAB data
 $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O_{Ma} 50.5 76.92 64.55 100.42 40
 Y_{Ma} 92.66 -20.69 90.75 93.08 103

L_{Ma} 83.63 -82.75 79.9 115.04 136

C_{Ma} 86.88 -46.16 -13.55 48.12 196

V_{Ma} 30.39 76.06 -103.59 128.52 306

M_{Ma} 57.3 94.35 -58.41 110.97 328

N_{Ma} 0.01 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

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

blackness n^*

chromaticness c^*

$n^* = 0,50$



See for similar files: <http://www.ps.bam.de/NE10/>
 Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: Colorimetric Offset Reflective System ORS18

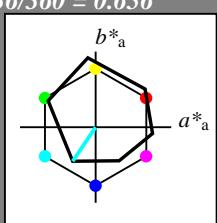
for hue $h^* = lab^*h = 236/360 = 0.656$
 lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmy3^*$ 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 $cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.98 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^*lrij 1.0 0.0 0.0

lab^*tce 1.0 0.0 -

lab^*ncE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 $cmy3^*$ 0.5 0.5 0.5 (0.0)
 olv_i4^* 0.5 1.0 1.0 1.0
 $cmy4^*$ 0.5 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^*lrij 0.5 0.0 0.0

lab^*tce 0.5 0.0 -

lab^*ncE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 $cmy4^*$ 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^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

lab^*ncE 1.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 $cmy4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 236/360 = 0.656
 LAB^*LABa 236/360 = 0.656
 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^*lrij 0.0 0.0 0.0

lab^*tce 0.0 0.0 -

lab^*ncE 1.0 0.0 -

$n^* = 1,0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$

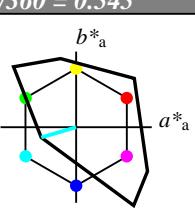
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{h,rel} = 20$

$g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

$L^*=L_a^*$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

$n^* = 0,00$

blackness n^*

$n^* = 1,00$

chromaticness c^*

$n^* = 1,0$

3 step scales for constant CIELAB hue 196/360 = 0.545 (right)

input: $olv^* setrgbcolor$
 output: Startup (S) data dependend

NE100-7, 3 step scales for constant CIELAB hue 236/360 = 0.656 (left)

BAM-test chart NE10; Colorimetric systems ORS18 & ORS18
 D65: 2 coordinate data of 3 step colour scales for 10 hues



Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

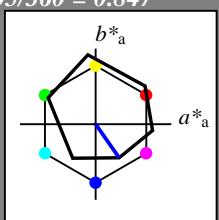
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)

olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmy3^*$ 0.0 0.0 0.0 (0.0)

olv_i4^* 1.0 1.0 1.0 1.0
 $cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.98 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^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.5 0.5 0.5 (1.0)
 $cmy3^*$ 0.5 0.5 0.5 (0.0)

olv_i4^* 1.0 1.0 1.0 0.5
 $cmy4^*$ 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^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)

olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmy3^*$ 1.0 1.0 1.0 (0.0)

olv_i4^* 1.0 1.0 1.0 0.0
 $cmy4^*$ 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^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 306/360 = 0.851$

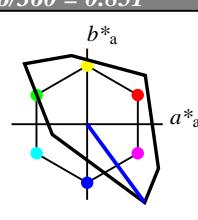
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 30 129 306

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

$n^* = 0,00$

blackness n^*

chromaticness c^*

$n^* = 1,0$

NE100-7, 3 step scales for constant CIELAB hue 305/360 = 0.847 (left)

3 step scales for constant CIELAB hue 306/360 = 0.851 (right)

BAM-test chart NE10; Colorimetric systems ORS18 & ORS18

D65: 2 coordinate data of 3 step colour scales for 10 hues

input: $olv^* setrgbcolor$

output: Startup (S) data dependend

c

m

o

l

v

v

y

m

o

l

v

c

m

o

l

v

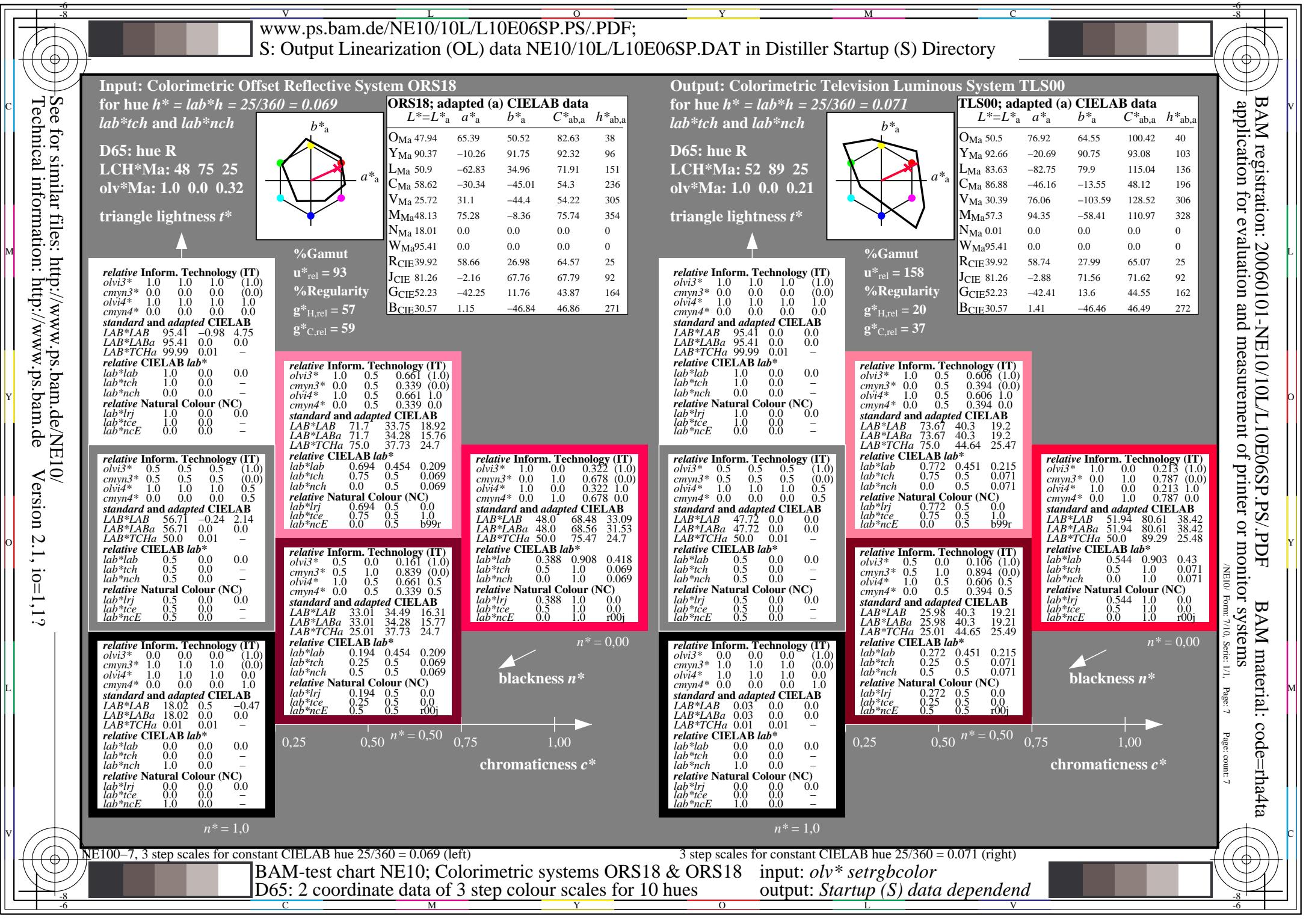
c

m

o

l

v



See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1?

Input: Colorimetric Offset Reflective System ORS18

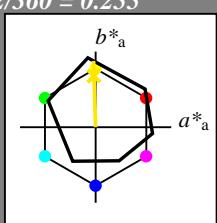
for hue $h^* = lab^*h = 92/360 = 0.255$
 lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv13* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv14* 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)

olv13* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv14* 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)

olv13* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv14* 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 -

$n^* = 1,0$

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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv13* 1.0 0.951 0.5 (1.0)
 cmyn3* 0.0 0.049 0.5 (0.0)

olv14* 1.0 0.951 0.5 1.0
 cmyn4* 0.0 0.049 0.5 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)

olv13* 0.5 0.451 0.0 (1.0)
 cmyn3* 0.5 0.549 1.0 (0.0)

olv14* 1.0 0.951 0.5 0.5
 cmyn4* 0.0 0.049 0.5 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 0.0 0.0 -

relative Inform. Technology (IT)

olv13* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv14* 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 -

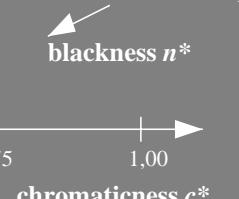
relative CIELAB lab*

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 -

$n^* = 0,00$



Output: Colorimetric Television Luminous System TLS00

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

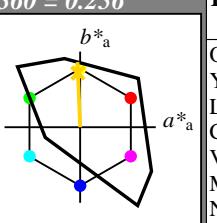
lab*tch and lab*nch

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{h,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olv13* 1.0 0.912 0.5 (1.0)
 cmyn3* 0.0 0.088 0.5 (0.0)

olv14* 1.0 0.912 0.5 1.0
 cmyn4* 0.0 0.088 0.5 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)

olv13* 0.5 0.824 0.0 (1.0)
 cmyn3* 0.0 0.176 1.0 (0.0)

olv14* 1.0 0.824 0.0 1.0
 cmyn4* 0.0 0.176 1.0 0.0

standard and adapted CIELAB
 LAB^*LAB 90.31 -1.74 43.06
 LAB^*LABa 90.31 -1.74 43.06
 LAB^*TChA 75.00 43.09 92.32

relative CIELAB lab*

lab*lab 0.947 -0.019 0.499
 lab*tch 0.75 0.5 0.256
 lab*nch 0.0 0.5 0.256

relative Natural Colour (NC)

lab*lrj 0.947 0.0 0.5
 lab*tce 0.75 0.5 0.25
 lab*ncE 0.0 0.5 0.00g

relative Inform. Technology (IT)

olv13* 0.5 0.412 0.0 (1.0)
 cmyn3* 0.5 0.588 1.0 (0.0)

olv14* 1.0 0.912 0.5 0.5
 cmyn4* 0.0 0.088 0.5 0.5

standard and adapted CIELAB
 LAB^*LAB 42.62 -1.73 43.05
 LAB^*LABa 42.62 -1.73 43.05
 LAB^*TChA 25.01 43.09 92.31

relative CIELAB lab*

lab*lab 0.447 -0.019 0.499
 lab*tch 0.25 0.5 0.256
 lab*nch 0.5 0.5 0.256

relative Natural Colour (NC)

lab*lrj 0.447 0.0 0.5
 lab*tce 0.25 0.5 0.25
 lab*ncE 0.5 0.5 0.00g

NE100-7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)

3 step scales for constant CIELAB hue 92/360 = 0.256 (right)

BAM-test chart NE10; Colorimetric systems ORS18 & ORS18 D65: 2 coordinate data of 3 step colour scales for 10 hues

input: olv* setrgbcolor
 output: Startup (S) data dependend

$n^* = 1,0$

$n^* = 1,0$

C

M

Y

O

L

V



C

M

M

Y

O

L

V

V

Y

O

O

M

M

C

C

Y

Y

Y

Y

Y

Y

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

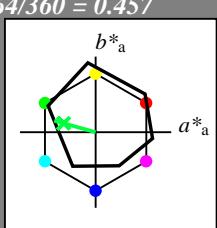
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



relative Inform. Technology (IT)

olv13* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv14* 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)

olv13* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)

olv14* 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)

olv13* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (0.0)

olv14* 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 -

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

$L^*=L^*_a$ a^*_{ab} b^*_{ab} $C^*_{ab,a}$ $h^*_{ab,a}$

	$L^*=L^*_a$	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
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

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

relative Inform. Technology (IT)

olv13* 0.5 1.0 0.623 (1.0)
 cmyn3* 0.5 0.0 0.377 (0.0)

olv14* 0.5 1.0 0.623 1.0

cmyn4* 0.5 0.0 0.377 0.0

standard and adapted CIELAB

LAB*LAB 74.1 -27.98 10.94

LAB*LABa 74.1 -27.4 7.62

LAB*TChA 75.0 28.45 164.46

relative CIELAB lab*

lab*lab 0.725 -0.481 0.134

lab*tch 0.75 0.5 0.457

lab*nch 0.0 0.5 0.457

relative Natural Colour (NC)

lab*lrj 0.725 -0.499 0.0

lab*tce 0.75 0.5 0.5

lab*ncE 0.0 0.5 g00b

relative Inform. Technology (IT)

olv13* 0.0 0.5 0.123 (1.0)
 cmyn3* 1.0 0.5 0.877 (0.0)

olv14* 0.5 1.0 0.623 0.5

cmyn4* 0.5 0.0 0.377 0.5

standard and adapted CIELAB

LAB*LAB 35.41 -27.24 8.34

LAB*LABa 35.41 -27.4 7.63

LAB*TChA 25.01 28.46 164.44

relative CIELAB lab*

lab*lab 0.225 -0.481 0.134

lab*tch 0.25 0.5 0.457

lab*nch 0.5 0.5 0.457

relative Natural Colour (NC)

lab*lrj 0.225 -0.499 0.0

lab*tce 0.25 0.5 0.5

lab*ncE 0.5 0.5 j99g

$n^* = 0.00$

blackness n^*

chromaticness c^*

$0.25 \quad 0.50 \quad n^* = 0.50 \quad 0.75 \quad 1.00$

$n^* = 1,0$

Output: Colorimetric Television Luminous System TLS00

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

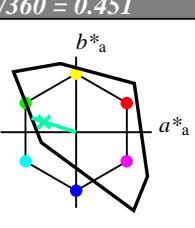
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{h,rel} = 20$

$g^*_{C,rel} = 37$

relative Inform. Technology (IT)

olv13* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)

olv14* 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)

olv13* 0.5 1.0 0.826 (1.0)
 cmyn3* 0.5 0.0 0.174 (0.0)

olv14* 0.5 1.0 0.827 1.0

cmyn4* 0.0 0.0 0.173 0.0

standard and adapted CIELAB

LAB*LAB 90.57 -29.42 9.43

LAB*LABa 90.57 -29.42 9.43

LAB*TChA 75.0 30.9 162.23

relative CIELAB lab*

lab*lab 0.949 -0.475 0.153

lab*tch 0.75 0.5 0.451

lab*nch 0.0 0.5 0.451

relative Natural Colour (NC)

lab*lrj 0.949 -0.499 0.0

lab*tce 0.75 0.5 0.5

lab*ncE 0.5 0.5 j99g

$n^* = 0.00$

blackness n^*

chromaticness c^*

$0.25 \quad 0.50 \quad n^* = 0.50 \quad 0.75 \quad 1.00$

$n^* = 1,0$

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: <http://www.ps.bam.de/NE10/10L/L10E08SP.PS/.PDF>

Output: <http://www.ps.bam.de/NE10/10L/L10E08SP.DAT>

Distiller Startup (S) Directory

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: <http://www.ps.bam.de/NE10/10L/L10E08SP.PS/.PDF>

Output: <http://www.ps.bam.de/NE10/10L/L10E08SP.DAT>

Distiller Startup (S) Directory

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: <http://www.ps.bam.de/NE10/10L/L10E08SP.PS/.PDF>

Output: <http://www.ps.bam.de/NE10/10L/L10E08SP.DAT>

Distiller Startup (S) Directory

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: <http://www.ps.bam.de/NE10/10L/L10E08SP.PS/.PDF>

Output: <http://www.ps.bam.de/NE10/10L/L10E08SP.DAT>

Distiller Startup (S) Directory

See for similar files: <http://www.ps.bam.de/NE10/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

Input: <http://www.ps.bam.de/NE10/10L/L10E08SP.PS/.PDF>



C
M
Y
K

M
C
Y
K

Y
M
C
K

O
L
M
C
Y
K

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 -

Input: Colorimetric Offset Reflective System ORS18

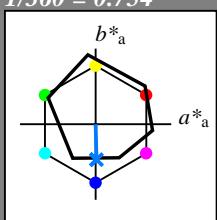
for hue $h^* = lab^*h = 271/360 = 0.754$
 lab*tch and lab*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



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

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* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olvi4* 0.5 1.0 1.0 0.5
 cmyn4* 0.5 0.256 0.0 0.5

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

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 0.0 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 -

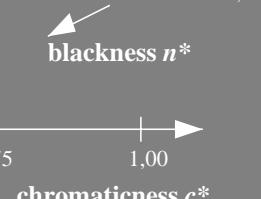
$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$



Output: Colorimetric Television Luminous System TLS00

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

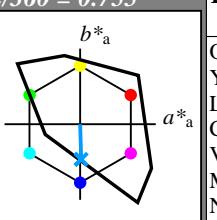
lab*tch and lab*nch

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 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}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
C _{Ma}	86.88	-46.16	-13.55	48.12	196
V _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

relative Inform. Technology (IT)

olvi3* 0.5 0.805 1.0 (1.0)

cmyn3* 0.5 0.195 0.0 (0.0)

olvi4* 0.5 0.805 1.0 1.0

cmyn4* 0.5 0.195 0.0 0.0

standard and adapted CIELAB

LAB*LAB 80.13 0.73 -24.31

LAB*LABa 80.13 0.73 -24.31

LAB*TChA 75.0 24.33 271.72

relative CIELAB lab*

lab*lab 0.84 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 0.84 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 0.305 0.5 (1.0)

cmyn3* 1.0 0.695 0.5 (0.0)

olvi4* 0.5 0.805 1.0 0.5

cmyn4* 0.5 0.195 0.0 0.5

standard and adapted CIELAB

LAB*LAB 32.44 0.74 -24.32

LAB*LABa 32.44 0.74 -24.32

LAB*TChA 25.01 24.34 271.75

relative CIELAB lab*

lab*lab 0.34 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 0.34 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 0.61 1.0 (1.0)

cmyn3* 1.0 0.39 0.0 (0.0)

olvi4* 0.0 0.61 1.0 1.0

cmyn4* 1.0 0.39 0.0 0.0

standard and adapted CIELAB

LAB*LAB 64.86 1.47 -48.64

LAB*LABa 64.86 1.47 -48.64

LAB*TChA 50.0 48.67 271.74

relative CIELAB lab*

lab*lab 0.68 0.003 -0.999

lab*tch 0.5 1.0 0.755

lab*nch 0.0 1.0 0.755

relative Natural Colour (NC)

lab*lrj 0.68 0.0 -0.999

lab*tce 0.5 1.0 0.75

lab*ncE 0.0 1.0 g99b

$n^* = 0,00$

$n^* = 0,50$

$n^* = 1,00$

3 step scales for constant CIELAB hue 272/360 = 0.755 (right)

input: olv* setrgbcolor

output: Startup (S) data dependend

NE100-7, 3 step scales for constant CIELAB hue 271/360 = 0.754 (left)

BAM-test chart NE10; Colorimetric systems ORS18 & ORS18 D65: 2 coordinate data of 3 step colour scales for 10 hues

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$



3 step scales for constant CIELAB hue 272/360 = 0.755 (right)

input: olv* setrgbcolor

output: Startup (S) data dependend

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$



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

input: olv* setrgbcolor

output: Startup (S) data dependend

$n^* = 1,0$

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,25$

