

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

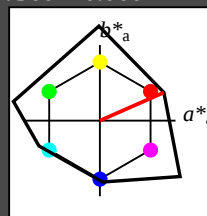
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

chromaticness c^*

$n^* = 1.0$

0.00

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

2.25

2.50

2.75

3.00

3.25

3.50

3.75

4.00

4.25

4.50

4.75

5.00

5.25

5.50

5.75

6.00

6.25

6.50

6.75

7.00

7.25

7.50

7.75

8.00

8.25

8.50

8.75

9.00

9.25

9.50

9.75

10.00

10.25

10.50

10.75

11.00

11.25

11.50

11.75

12.00

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29.75

30.00

30.25

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30.75

31.00

31.25

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35.00

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35.75

36.00

36.25

36.50

36.75

37.00

37.25

37.50

37.75

38.00

38.25

38.50

38.75

39.00

39.25

39.50

39.75

40.00

40.25

40.50

40.75

41.00

41.25

41.50

41.75

42.00

42.25

42.50

42.75

43.00

43.25

43.50

43.75

44.00

44.25

44.50

44.75

45.00

45.25

45.50

45.75

46.00

46.25

46.50

46.75

47.00

47.25

47.50

47.75

48.00

48.25

48.50

48.75

49.00

49.25

49.50

49.75

50.00

50.25

50.50

50.75

51.00

51.25

51.50

51.75

52.00

52.25

52.50

52.75

53.00

53.25

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60.75

61.00

61.25

61.50

61.75

62.00

62.25

62.50

62.75

63.00

63.25

63.50

63.75

64.00

64.25

64.50

64.75

65.00

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

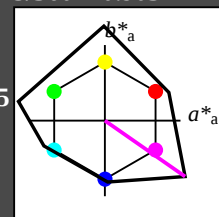
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

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	-0.01
LAB*LABa	95.41	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative CIELAB lab*			
lab*lab	1.0	0.0	0.0
lab*tch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0
relative Natural Colour (NC)			
lab*trj	0.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	0.0	0.0	1.0

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

relative Inform. Technology (IT)			
olvi3*	0.75	0.75	0.75 (1.0)
cmyn3*	0.0	0.25	0.25 (0.0)
olvi4*	1.0	1.0	1.0 (1.0)
cmyn4*	0.0	0.0	0.25 (0.0)
standard and adapted CIELAB			
LAB*LAB	74.31	0.02	0.0
LAB*LABa	74.31	0.0	0.0
LAB*LABb	74.31	0.0	0.0

relative CIELAB lab*			
lab*lab	0.848	0.205	-0.142
lab*tch	0.875	0.25	0.903
lab*nch	0.0	0.25	0.903
relative Natural Colour (NC)			
lab*trj	0.848	0.168	-0.184
lab*tce	0.875	0.25	0.903
lab*nce	0.0	0.25	0.903

TE590-7, 5 step scale



Step	1	2	3	4	5
Color	Black	Dark Gray	Medium Gray	Light Gray	White

www.ps.bam.de/TE59/10S/S59E07FP.PS/.PDF; linearized output
 F: Output Linearization (OL) data TE59/10S/S59E07FP.DAT in File (F)

Input: Colorimetric Reflective System NCS11

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

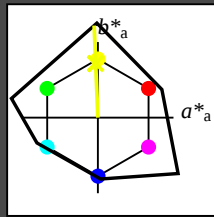
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

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 0.0 -0.01
 LAB*LAB 95.41 0.0 0.0
 LAB*TCMa 99.99 0.01 0.0

relative CIELAB lab*
 lab*lab 1.0 0.0 0.0
 lab*tch 1.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 1.0 0.0 0.0
 lab*tce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (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 74.31 0.02 0.0
 LAB*LAB 74.31 0.02 0.0
 LAB*TCMa 75.0 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.0 0.0
 lab*tch 0.75 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.75 0.0 0.0
 lab*tce 0.75 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (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 53.21 0.04 0.0
 LAB*LAB 53.21 0.04 0.0
 LAB*TCMa 50.0 0.01 -

relative CIELAB lab*
 lab*lab 0.5 0.0 0.0
 lab*tch 0.5 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.5 0.0 0.0
 lab*tce 0.5 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (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 32.11 0.07 0.01
 LAB*LAB 32.11 0.07 0.01
 LAB*TCMa 32.11 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.0 0.0
 lab*tch 0.25 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.0 0.0
 lab*tce 0.25 0.0 0.0
 lab*nce 0.0 0.0 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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.992 1.0 0.75 (1.0)
 cmyn3* 0.008 0.0 0.25 (0.0)
 olv4* 0.992 1.0 0.75 (1.0)
 cmyn4* 0.008 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 94.16 -1.21 30.44
 LAB*LAB 94.16 -1.21 30.44
 LAB*TCMa 87.5 30.47 92.31

relative CIELAB lab*
 lab*lab 0.985 -0.009 0.25
 lab*tch 0.875 0.25 0.256
 lab*nch 0.0 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.985 0.0 0.25
 lab*tce 0.875 0.25 0.256
 lab*nce 0.0 0.25 0.256

relative Inform. Technology (IT)
 olv3* 0.742 0.75 0.5 (1.0)
 cmyn3* 0.258 0.25 0.25 (0.0)
 olv4* 0.992 1.0 0.75 (1.0)
 cmyn4* 0.008 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 73.07 -1.2 30.45
 LAB*LAB 73.07 -1.2 30.45
 LAB*TCMa 62.5 30.47 92.31

relative CIELAB lab*
 lab*lab 0.692 0.5 0.25 (1.0)
 lab*tch 0.625 0.25 0.256
 lab*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.692 0.5 0.25
 lab*tce 0.625 0.25 0.256
 lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 olv3* 0.484 0.5 0.0 (1.0)
 cmyn3* 0.508 0.5 0.75 (0.0)
 olv4* 0.992 1.0 0.75 (1.0)
 cmyn4* 0.008 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 51.96 -1.18 30.46
 LAB*LAB 51.96 -1.18 30.46
 LAB*TCMa 37.5 30.47 92.31

relative CIELAB lab*
 lab*lab 0.485 -0.029 0.25
 lab*tch 0.375 0.25 0.256
 lab*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.485 0.0 0.25
 lab*tce 0.375 0.25 0.256
 lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
 olv3* 0.242 0.25 0.0 (1.0)
 cmyn3* 0.758 0.75 1.0 (0.0)
 olv4* 0.992 1.0 0.75 (1.0)
 cmyn4* 0.008 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 30.86 -1.17 30.45
 LAB*LAB 30.86 -1.17 30.45
 LAB*TCMa 12.5 30.46 92.33

relative CIELAB lab*
 lab*lab 0.235 -0.009 0.25
 lab*tch 0.125 0.25 0.256
 lab*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.235 0.0 0.25
 lab*tce 0.125 0.25 0.256
 lab*nce 0.75 0.25 0.256

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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

NCS11; adapted (a) CIELAB data

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

RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
 olv3* 0.984 1.0 0.5 (1.0)
 cmyn3* 0.016 0.0 0.5 (0.0)
 olv4* 0.984 1.0 0.5 (1.0)
 cmyn4* 0.016 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 92.52 -2.44 60.89
 LAB*LAB 92.52 -2.44 60.89
 LAB*TCMa 75.0 60.94 92.32

relative CIELAB lab*
 lab*lab 0.971 -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*trj 0.971 0.0 0.5
 lab*tce 0.75 0.5 0.256
 lab*nce 0.0 0.5 0.256

relative Inform. Technology (IT)
 olv3* 0.734 0.75 0.25 (1.0)
 cmyn3* 0.266 0.25 0.75 (0.0)
 olv4* 0.984 1.0 0.5 (1.0)
 cmyn4* 0.016 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 71.83 -2.44 60.9
 LAB*LAB 71.83 -2.44 60.9
 LAB*TCMa 50.0 60.94 92.33

relative CIELAB lab*
 lab*lab 0.692 0.5 0.25 (1.0)
 lab*tch 0.625 0.25 0.256
 lab*nch 0.25 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.692 0.5 0.25
 lab*tce 0.625 0.25 0.256
 lab*nce 0.25 0.25 0.256

relative Inform. Technology (IT)
 olv3* 0.484 0.5 0.0 (1.0)
 cmyn3* 0.508 0.5 0.75 (0.0)
 olv4* 0.984 1.0 0.5 (1.0)
 cmyn4* 0.016 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 51.96 -1.18 30.46
 LAB*LAB 51.96 -1.18 30.46
 LAB*TCMa 37.5 30.47 92.31

relative CIELAB lab*
 lab*lab 0.485 -0.029 0.499
 lab*tch 0.375 0.25 0.256
 lab*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.485 0.0 0.25
 lab*tce 0.375 0.25 0.256
 lab*nce 0.5 0.25 0.256

relative Inform. Technology (IT)
 olv3* 0.242 0.25 0.0 (1.0)
 cmyn3* 0.758 0.75 1.0 (0.0)
 olv4* 0.992 1.0 0.75 (1.0)
 cmyn4* 0.008 0.0 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 30.86 -1.17 30.45
 LAB*LAB 30.86 -1.17 30.45
 LAB*TCMa 12.5 30.46 92.33

relative CIELAB lab*
 lab*lab 0.235 -0.009 0.25
 lab*tch 0.125 0.25 0.256
 lab*nch 0.75 0.25 0.256
 relative Natural Colour (NC)
 lab*trj 0.235 0.0 0.25
 lab*tce 0.125 0.25 0.256
 lab*nce 0.75 0.25 0.256

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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

1.00

0.75

$n^* = 0.00$

0.25

chromaticness c^*

$n^* = 1.0$

Output: Colorimetric Reflective System NCS11

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

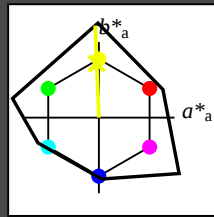
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

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 0.0 -0.01
 LAB*LAB 95.41 0.0 0.0
 LAB*TCMa 99.99 0.01 0.0

relative CIELAB lab*
 lab*lab 1.0 0.0 0.0
 lab*tch 1.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 1.0 0.0 0.0
 lab*tce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (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 74.31 0.02 0.0
 LAB*LAB 74.31 0.02 0.0
 LAB*TCMa 75.0 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.0 0.0
 lab*tch 0.75 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.75 0.0 0.0
 lab*tce 0.75 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (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 53.21 0.04 0.0
 LAB*LAB 53.21 0.04 0.0
 LAB*TCMa 50.0 0.01 -

relative CIELAB lab*
 lab*lab 0.5 0.0 0.0
 lab*tch 0.5 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.5 0.0 0.0
 lab*tce 0.5 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.75 0.75 0.75 (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 32.11 0.07 0.01
 LAB*LAB 32.11 0.07 0.01
 LAB*TCMa 32.11 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.0 0.0
 lab*tch 0.25 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.0 0.0
 lab*tce 0.25 0.0 0.0
 lab*nce 0.0 0.0 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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

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 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LAB 11.01 0.07 0.01
 LAB*TCMa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*tch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

% Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
 olv3* 0.984 1.0 0.5 (1.0)
 cmyn3* 0.016 0.0 0.5 (0.0)
 olv4* 0.984 1.0 0.5 (1.0)
 cmyn4* 0.016 0.0 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 92.52 -2.44 60.89
 LAB*LAB 92.52 -2.44 60.89
 LAB*TCMa 75.0 60.94 92.32

relative CIELAB lab*
 lab*lab 0.971 -0.019 0.499
 lab*tch 0.75 0.5 0

