

Input: Colorimetric Natural Reflective System CNS18

for hue $h^* = lab^*h = 25/360 = 0.069$

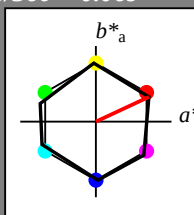
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 25

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



CNS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	1.0 1.0 1.0 (1.0)
olv6*	0.0 0.0 0.0 (0.0)
cmv3*	0.0 0.0 0.0 (0.0)
cmv4*	0.0 0.0 0.0 (0.0)
cmv5*	0.0 0.0 0.0 (0.0)
cmv6*	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*LABb	95.41 0.0 0.0
LAB*LABc	95.41 0.0 0.0
LAB*LABd	95.41 0.0 0.0
LAB*LABe	95.41 0.0 0.0
LAB*LABf	95.41 0.0 0.0
LAB*LABg	95.41 0.0 0.0
LAB*LABh	95.41 0.0 0.0
LAB*LABi	95.41 0.0 0.0
LAB*LABj	95.41 0.0 0.0
LAB*LABk	95.41 0.0 0.0
LAB*LABl	95.41 0.0 0.0
LAB*LABm	95.41 0.0 0.0
LAB*LABn	95.41 0.0 0.0
LAB*LABo	95.41 0.0 0.0
LAB*LABp	95.41 0.0 0.0
LAB*LABq	95.41 0.0 0.0
LAB*LABr	95.41 0.0 0.0
LAB*LABs	95.41 0.0 0.0
LAB*LABt	95.41 0.0 0.0
LAB*LABu	95.41 0.0 0.0
LAB*LABv	95.41 0.0 0.0
LAB*LABw	95.41 0.0 0.0
LAB*LABx	95.41 0.0 0.0
LAB*LABy	95.41 0.0 0.0
LAB*LABz	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	1.0 0.75 0.75 (1.0)
olv4*	0.0 0.75 0.75 (1.0)
olv5*	1.0 0.75 0.75 (1.0)
olv6*	0.0 0.75 0.75 (1.0)
cmv3*	0.0 0.25 0.25 (0.0)
cmv4*	0.0 0.25 0.25 (0.0)
cmv5*	0.0 0.25 0.25 (0.0)
cmv6*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	85.73 17.53 8.17
LAB*LABa	85.73 17.53 8.17
LAB*LABb	85.73 17.53 8.17
LAB*LABc	85.73 17.53 8.17
LAB*LABd	85.73 17.53 8.17
LAB*LABe	85.73 17.53 8.17
LAB*LABf	85.73 17.53 8.17
LAB*LABg	85.73 17.53 8.17
LAB*LABh	85.73 17.53 8.17
LAB*LABi	85.73 17.53 8.17
LAB*LABj	85.73 17.53 8.17
LAB*LABk	85.73 17.53 8.17
LAB*LABl	85.73 17.53 8.17
LAB*LABm	85.73 17.53 8.17
LAB*LABn	85.73 17.53 8.17
LAB*LABo	85.73 17.53 8.17
LAB*LABp	85.73 17.53 8.17
LAB*LABq	85.73 17.53 8.17
LAB*LABr	85.73 17.53 8.17
LAB*LABs	85.73 17.53 8.17
LAB*LABt	85.73 17.53 8.17
LAB*LABu	85.73 17.53 8.17
LAB*LABv	85.73 17.53 8.17
LAB*LABw	85.73 17.53 8.17
LAB*LABx	85.73 17.53 8.17
LAB*LABy	85.73 17.53 8.17
LAB*LABz	85.73 17.53 8.17

relative Inform. Technology (IT)	
olv3*	1.0 0.5 0.5 (1.0)
olv4*	0.0 0.5 0.5 (1.0)
olv5*	1.0 0.5 0.5 (1.0)
olv6*	0.0 0.5 0.5 (1.0)
cmv3*	0.0 0.25 0.25 (0.0)
cmv4*	0.0 0.25 0.25 (0.0)
cmv5*	0.0 0.25 0.25 (0.0)
cmv6*	0.0 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	76.05 35.07 16.35
LAB*LABa	76.05 35.07 16.35
LAB*LABb	76.05 35.07 16.35
LAB*LABc	76.05 35.07 16.35
LAB*LABd	76.05 35.07 16.35
LAB*LABe	76.05 35.07 16.35
LAB*LABf	76.05 35.07 16.35
LAB*LABg	76.05 35.07 16.35
LAB*LABh	76.05 35.07 16.35
LAB*LABi	76.05 35.07 16.35
LAB*LABj	76.05 35.07 16.35
LAB*LABk	76.05 35.07 16.35
LAB*LABl	76.05 35.07 16.35
LAB*LABm	76.05 35.07 16.35
LAB*LABn	76.05 35.07 16.35
LAB*LABo	76.05 35.07 16.35
LAB*LABp	76.05 35.07 16.35
LAB*LABq	76.05 35.07 16.35
LAB*LABr	76.05 35.07 16.35
LAB*LABs	76.05 35.07 16.35
LAB*LABt	76.05 35.07 16.35
LAB*LABu	76.05 35.07 16.35
LAB*LABv	76.05 35.07 16.35
LAB*LABw	76.05 35.07 16.35
LAB*LABx	76.05 35.07 16.35
LAB*LABy	76.05 35.07 16.35
LAB*LABz	76.05 35.07 16.35

relative Inform. Technology (IT)	
olv3*	1.0 0.25 0.25 (1.0)
olv4*	0.0 0.25 0.25 (1.0)
olv5*	1.0 0.25 0.25 (1.0)
olv6*	0.0 0.25 0.25 (1.0)
cmv3*	0.0 0.125 0.125 (0.0)
cmv4*	0.0 0.125 0.125 (0.0)
cmv5*	0.0 0.125 0.125 (0.0)
cmv6*	0.0 0.125 0.125 (0.0)
standard and adapted CIELAB	
LAB*LAB	66.37 52.6 24.53
LAB*LABa	66.37 52.6 24.53
LAB*LABb	66.37 52.6 24.53
LAB*LABc	66.37 52.6 24.53
LAB*LABd	66.37 52.6 24.53
LAB*LABe	66.37 52.6 24.53
LAB*LABf	66.37 52.6 24.53
LAB*LABg	66.37 52.6 24.53
LAB*LABh	66.37 52.6 24.53
LAB*LABi	66.37 52.6 24.53
LAB*LABj	66.37 52.6 24.53
LAB*LABk	66.37 52.6 24.53
LAB*LABl	66.37 52.6 24.53
LAB*LABm	66.37 52.6 24.53
LAB*LABn	66.37 52.6 24.53
LAB*LABo	66.37 52.6 24.53
LAB*LABp	66.37 52.6 24.53
LAB*LABq	66.37 52.6 24.53
LAB*LABr	66.37 52.6 24.53
LAB*LABs	66.37 52.6 24.53
LAB*LABt	66.37 52.6 24.53
LAB*LABu	66.37 52.6 24.53
LAB*LABv	66.37 52.6 24.53
LAB*LABw	66.37 52.6 24.53
LAB*LABx	66.37 52.6 24.53
LAB*LABy	66.37 52.6 24.53
LAB*LABz	66.37 52.6 24.53

relative Inform. Technology (IT)	
olv3*	1.0 0.0 0.0 (1.0)
olv4*	0.0 0.0 0.0 (1.0)
olv5*	1.0 0.0 0.0 (1.0)
olv6*	0.0 0.0 0.0 (1.0)
cmv3*	0.0 0.0 0.0 (0.0)
cmv4*	0.0 0.0 0.0 (0.0)
cmv5*	0.0 0.0 0.0 (0.0)
cmv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	56.7 70.13 32.7
LAB*LABa	56.7 70.13 32.7
LAB*LABb	56.7 70.13 32.7
LAB*LABc	56.7 70.13 32.7
LAB*LABd	56.7 70.13 32.7
LAB*LABe	56.7 70.13 32.7
LAB*LABf	56.7 70.13 32.7
LAB*LABg	56.7 70.13 32.7
LAB*LABh	56.7 70.13 32.7
LAB*LABi	56.7 70.13 32.7
LAB*LABj	56.7 70.13 32.7
LAB*LABk	56.7 70.13 32.7
LAB*LABl	56.7 70.13 32.7
LAB*LABm	56.7 70.13 32.7
LAB*LABn	56.7 70.13 32.7
LAB*LABo	56.7 70.13 32.7
LAB*LABp	56.7 70.13 32.7
LAB*LABq	56.7 70.13 32.7
LAB*LABr	56.7 70.13 32.7
LAB*LABs	56.7 70.13 32.7
LAB*LABt	56.7 70.13 32.7
LAB*LABu	56.7 70.13 32.7
LAB*LABv	56.7 70.13 32.7
LAB*LABw	56.7 70.13 32.7
LAB*LABx	56.7 70.13 32.7
LAB*LABy	56.7 70.13 32.7
LAB*LABz	56.7 70.13 32.7

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

$n^* = 5.25$

$n^* = 5.50$

$n^* = 5.75$

$n^* = 6.00$

$n^* = 6.25$

$n^* = 6.50$

$n^* = 6.75$

$n^* = 7.00$

$n^* = 7.25$

$n^* = 7.50$

$n^* = 7.75$

$n^* = 8.00$

$n^* = 8.25$

$n^* = 8.50$

$n^* = 8.75$

$n^* = 9.00$

$n^* = 9.25$

$n^* = 9.50$

$n^* = 9.75$

$n^* = 10.00$

$n^* = 10.25$

$n^* = 10.50$

$n^* = 10.75$

$n^* = 11.00$

$n^* = 11.25$

$n^* = 11.50$

$n^* = 11.75$

$n^* = 12.00$

$n^* = 12.25$

$n^* = 12.50$

$n^* = 12.75$

$n^* = 13.00$

$n^* = 13.25$

$n^* = 13.50$

$n^* = 13.75$

$n^* = 14.00$

$n^* = 14.25$

$n^* = 14.50$

$n^* = 14.75$

$n^* = 15.00$

$n^* = 15.25$

$n^* = 15.50$

$n^* = 15.75$

$n^* = 16.00$

$n^* = 16.25$

$n^* = 16.50$

$n^* = 16.75$

$n^* = 17.00$

$n^* = 17.25$

$n^* = 17.50$

$n^* = 17.75$

$n^* = 18.00$

$n^* = 18.25$

$n^* = 18.50$

$n^* = 18.75$

$n^* = 19.00$

$n^* = 19.25$

$n^* = 19.50$

$n^* = 19.75$

$n^* = 20.00$

$n^* = 20.25$

$n^* = 20.50$

$n^* = 20.75$

$n^* = 21.00$

$n^* = 21.25$

$n^* = 21.50$

$n^* = 21.75$

$n^* = 22.00$

$n^* = 22.25$

$n^* = 22.50$

$n^* = 22.75$

$n^* = 23.00$

$n^* = 23.25$

$n^* = 23.50$

$n^* = 23.75$

$n^* = 24.00$



A horizontal line representing a 1D lattice. Three points are marked on the line: '0' (red), 'L' (green), and 'V' (purple). The segments between these points are also colored: red between 0 and L, green between L and V, and purple between V and the right end of the line.

Input: Colorimetric Natural Reflective System CNS18

for hue $h^* = lab^*h = 162/360 = 0.45$

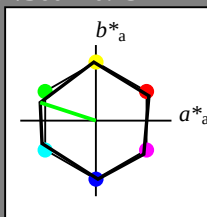
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 57 77 162

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



CNS18; adapted (a) CIELAB data

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

RMa	56.7	70.15	32.71	77.4	25
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%Regularity

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relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
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olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

<i>relative Inform. Technology (IT)</i>				
<i>olv3*</i>	0.5	1.0	0.5	(1.0)
<i>cmyn3*</i>	0.5	0.0	0.5	(0.0)
<i>olv4*</i>	0.5	1.0	0.5	1.0
<i>cmyn4*</i>	0.5	0.0	0.5	0.0
<i>standard and adapted CIELAB</i>				
<i>LAB*LAB</i>	76.05	-36.79	11.96	
<i>LAB*LAB_a</i>	76.05	-36.79	11.96	

1

1,00
mattiness c^*

output: *olv**' (*TRI9*) *setrabcolor*

Input: Colorimetric Natural Reflective System CNS18

for hue $h^* = lab^*h = 272/360 = 0.756$

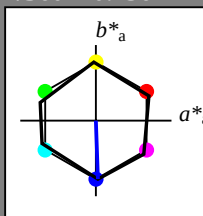
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 272

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 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*LABb 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*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01 0.0

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*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.0 0.0

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*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmv3* 0.75 0.75 0.75 (1.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

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*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01 0.0

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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.0
LAB*LABa 0.01 0.01 0.0
LAB*LABb 0.01 0.01 0.0

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*nce 0.0 0.0 0.0

CNS18; adapted (a) CIELAB data

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

RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

% Regularity

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 1.35 -38.66
LAB*LABa 76.05 1.35 -38.66
LAB*LABb 75.00 38.69 27.20

relative CIELAB lab*
lab*lab 0.75 0.017 -0.499
lab*tch 0.75 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.75 0.002 -0.499
lab*nce 0.75 0.5 0.751

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.35 -38.67
LAB*LABa 56.71 1.35 -38.67
LAB*LABb 50.01 38.7 27.20

relative CIELAB lab*
lab*lab 0.5 0.017 -0.499
lab*tch 0.5 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.5 0.002 -0.499
lab*nce 0.5 0.5 0.751

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 1.35 -38.66
LAB*LABa 37.36 1.35 -38.66
LAB*LABb 25.01 38.69 27.20

relative CIELAB lab*
lab*lab 0.25 0.017 -0.499
lab*tch 0.25 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.25 0.002 -0.499
lab*nce 0.25 0.5 0.751

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.01 0.01
LAB*LABa 18.03 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 1.35 -38.67
LAB*LABa 56.71 1.35 -38.67
LAB*LABb 50.01 38.7 27.20

relative CIELAB lab*
lab*lab 0.5 0.017 -0.499
lab*tch 0.5 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.5 0.002 -0.499
lab*nce 0.5 0.5 0.751

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 1.35 -38.66
LAB*LABa 37.36 1.35 -38.66
LAB*LABb 25.01 38.69 27.20

relative CIELAB lab*
lab*lab 0.25 0.017 -0.499
lab*tch 0.25 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.25 0.002 -0.499
lab*nce 0.25 0.5 0.751

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmv4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.01 0.01
LAB*LABa 18.03 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 272/360 = 0.756$

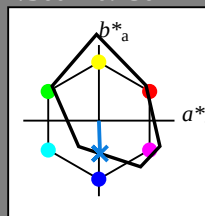
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 35 44 272

olv*Ma: 0.0 0.65 1.0

triangle lightness t^*



% Gamut

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 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 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*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 70.54 -0.53 -4.26
LAB*LABa 70.54 0.0 0.0
LAB*LABb 75.00 0.01 0.0

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*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 -0.53 -4.26
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01 0.0 0.0

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*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 -0.53 -4.26
LAB*LABa 37.37 0.0 0.0
LAB*LABb 25.00 0.01 0.0

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*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 -0.62 -12.88
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 -0.62 -12.88
LAB*LABa 0.01 0.0 0.0
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.68 -0.04 -15.41
LAB*LABa 77.68 0.37 10.86
LAB*LABb 87.5 10.88 27.97

relative CIELAB lab*
lab*lab 0.833 -0.004 -0.249
lab*tch 0.833 0.0 0.747
lab*nch 0.0 0.75 0.988
relative Natural Colour (NC)
lab*trj 0.833 -0.004 -0.249
lab*nce 0.833 0.75 0.988

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.4 0.09 -25.72
LAB*LABa 63.4 0.09 -25.72
LAB*LABb 75.00 21.76 27.99

relative CIELAB lab*
lab*lab 0.667 0.017 -0.499
lab*tch 0.667 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.667 -0.009 -0.499
lab*nce 0.667 0.5 0.747

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.97 -0.26 -24.88
LAB*LABa 41.97 0.76 -21.74
LAB*LABb 50.01 21.77 27.20

relative CIELAB lab*
lab*lab 0.417 0.017 -0.499
lab*tch 0.417 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.417 -0.009 -0.499
lab*nce 0.417 0.5 0.747

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 20.54 0.76 -21.74
LAB*LABa 20.54 0.76 -21.74
LAB*LABb 25.01 21.76 27.20

relative CIELAB lab*
lab*lab 0.167 0.017 -0.499
lab*tch 0.167 0.0 0.756
lab*nch 0.0 0.5 0.756
relative Natural Colour (NC)
lab*trj 0.167 -0.009 -0.499
lab*nce 0.167 0.5 0.747

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01 0.01
LAB*LABa 0.01 0.01 0.01
LAB*LABb 0.01 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*nce 0.0 0.0 0.0

FRS06; adapted (a) CIELAB data

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

O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

Input: Colorimetric Natural Reflective System CNS18

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

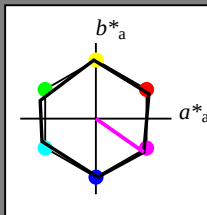
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 57 77 325

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



CNS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	1.0	1.0	1.0	(1.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	1.0	1.0	1.0	(1.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	1.0	1.0	1.0	(1.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	1.0	1.0	1.0	(1.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	1.0	1.0	1.0	(1.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	1.0	1.0	1.0	(1.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	1.0	1.0	1.0	(1.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	1.0	1.0	1.0	(1.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	1.0	1.0	1.0	(1.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	1.0	1.0	1.0	(1.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	1.0	1.0	1.0	(1.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	1.0	1.0	1.0	(1.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	1.0	1.0	1.0	(1.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	1.0	1.0	1.0	(1.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	1.0	1.0	1.0	(1.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	1.0	1.0	1.0	(1.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	1.0	1.0	1.0	(1.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	1.0	1.0	1.0	(1.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	1.0	1.0	1.0	(1.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	1.0	1.0	1.0	(1.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	1.0	1.0	1.0	(1.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	1.0	1.0	1.0	(1.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	1.0	1.0	1.0	(1.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	1.0	1.0	1.0	(1.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	1.0	1.0	1.0	(1.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	1.0	1.0	1.0	(1.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	1.0	1.0	1.0	(1.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	1.0	1.0	1.0	(1.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	1.0	1.0	1.0	(1.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	1.0	1.0	1.0	(1.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	1.0	1.0	1.0	(1.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	1.0	1.0	1.0	(1.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	1.0	1.0	1.0	(1.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	1.0	1.0	1.0	(1.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	1.0	1.0	1.0	(1.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	1.0	1.0	1.0	(1.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	1.0	1.0	1.0	(1.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	1.0	1.0	1.0	(1.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	1.0	1.0	1.0	(1.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	1.0	1.0	1.0	(1.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	1.0	1.0	1.0	(1.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	1.0	1.0	1.0	(1.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	1.0	1.0	1.0	(1.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	1.0	1.0	1.0	(1.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	1.0	1.0	1.0	(1.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	1.0	1.0	1.0	(1.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	1.0	1.0	1.0	(1.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.75	0.75	0.75	(1.0)
olv6*	0.25	0.25	0.25	(0.0)
olv7*	0.75	0.75	0.75	(1.0)
olv8*	0.25	0.25	0.25	(0.0)
olv9*	0.75	0.75	0.75	(1.0)
olv10*	0.25	0.25	0.25	(0.0)
olv11*	0.75	0.75	0.75	(1.0)
olv12*	0.25	0.25	0.25	(0.0)
olv13*	0.75	0.75	0.75	(1.0)
olv14*	0.25	0.25	0.25	(0.0)
olv15*	0.75	0.75	0.75	(1.0)
olv16*	0.25	0.25	0.25	(0.0)
olv17*	0.75	0.75	0.75	(1.0)
olv18*	0.25	0.25	0.25	(0.0)
olv19*	0.75	0.75	0.75	(1.0)
olv20*	0.25	0.25	0.25	(0.0)
olv21*	0.75	0.75	0.75	(1.0)
olv22*	0.25	0.25	0.25	(0.0)
olv23*	0.75	0.75	0.75	(1.0)
olv24*	0.25	0.25	0.25	(0.0)
olv25*	0.75	0.75	0.75	(1.0)
olv26*	0.25	0.25	0.25	(0.0)
olv27*	0.75	0.75	0.75	(1.0)
olv28*	0.25	0.25	0.25	(0.0)
olv29*	0.75	0.75	0.75	(1.0)
olv30*	0.25	0.25	0.25	(0.0)
olv31*	0.75	0.75	0.75	(1.0)
olv32*	0.25	0.25	0.25	(0.0)
olv33*	0.75	0.75	0.75	(1.0)
olv34*	0.25	0.25	0.25	(0.0)
olv35*	0.75	0.75	0.75	(1.0)
olv36*	0.25	0.25	0.25	(0.0)
olv37*	0.75	0.75	0.75	(1.0)
olv38*	0.25	0.25	0.25	(0.0)
olv39*	0.75	0.75	0.75	(1.0)
olv40*	0.25	0.25	0.25	(0.0)
olv41*	0.75	0.75	0.75	(1.0)
olv42*	0.25	0.25	0.25	(0.0)
olv43*	0.75	0.75	0.75	(1.0)
olv44*	0.25	0.25	0.25	(0.0)
olv45*	0.75	0.75	0.75	(1.0)
olv46*	0.25	0.25	0.25	(0.0)
olv47*	0.75	0.75	0.75	(1.0)
olv48*	0.25	0.25	0.25	(0.0)
olv49*	0.75	0.75	0.75	(1.0)
olv50*	0.25	0.25	0.25	(0.0)
olv51*	0.75	0.75	0.75	(1.0)
olv52*	0.25	0.25	0.25	(0.0)
olv53*	0.75	0.75	0.75	(1.0)
olv54*	0.25	0.25	0.25	(0.0)
olv55*	0.75	0.75	0.75	(1.0)
olv56*	0.25	0.25	0.25	(0.0)
olv57*	0.75	0.75	0.75	(1.0)
olv58*	0.25	0.25	0.25	(0.0)
olv59*	0.75	0.75	0.75	(1.0)
olv60*	0.25	0.25	0.25	(0.0)
olv61*	0.75	0.75	0.75	(1.0)
olv62*	0.25	0.25	0.25	(0.0)
olv63*	0.75	0.75	0.75	(1.0)
olv64*	0.25	0.25	0.25	(0.0)
olv65*	0.75	0.75	0.75	(1.0)
olv66*	0.25	0.25	0.25	(0.0)
olv67*	0.75	0.75	0.75	(1.0)
olv68*	0.25	0.25	0.25	(0.0)
olv69*	0.75	0.75	0.75	(1.0)
olv70*	0.25	0.25	0.25	(0.0)
olv71*	0.75	0.75	0.75	(1.0)
olv72*	0.25	0.25	0.25	(0.0)
olv73*	0.75	0.75	0.75	(1.0)
olv74*	0.25	0.25	0.25	(0.0)
olv75*	0.75	0.75	0.75	(1.0)
olv76*	0.25	0.25	0.25	(0.0)
olv77*	0.75	0.75	0.75	(1.0)
olv78*	0.25	0.25	0.25	(0.0)
olv79*	0.75	0.75	0.75	(1.0)
olv80*	0.25	0.25	0.25	(0.0)
olv81*	0.75	0.75	0.75	(1.0)
olv82*	0.25	0.25	0.25	(0.0)
olv83*	0.75	0.75	0.75	(1.0)
olv84*	0.25	0.25	0.25	(0.0)
olv85*	0.75	0.75	0.75	(1.0)
olv86*	0.25	0.25	0.25	(0.0)
olv87*	0.75	0.75	0.75	(1.0)
olv88*	0.25	0.25	0.25	(0.0)
olv89*	0.75	0.75	0.75	(1.0)
olv90*	0.25	0.25	0.25	(0.0)
olv91*	0.75	0.75	0.75	(1.0)
olv92*	0.25	0.25	0.25	(0.0)
olv93*	0.75	0.75	0.75	(1.0)
olv94*	0.25	0.25	0.25	(0.0)
olv95*	0.75	0.75	0.75	(1.0)
olv96*	0.25	0.25	0.25	(0.0)
olv97*	0.75	0.75	0.75	(1.0)
olv98*	0.25	0.25	0.25	(0.0)
olv99*	0.75	0.75	0.75	(1.0)
olv100*	0.25	0.25	0.25	(0.0)

relative Inform. Technology (IT)				
olv3*	0.75	0.5	0.75	(1.0)
olv3*	0.25	0.5	0.25	(0.0)
olv4*	1.0	0.75	1.0	0.75
olv4*	0.0	0.25	0.0	0.25
standard and adapted CIELAB				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative CIELab lab*				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
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relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
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lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*ncH	0.25	0.25	0.903	
relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
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lab*tcH	0.625	0.75	0.867	
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standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
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relative Lab*lab				
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LAB*LAB	66.38	15.85		-11.09
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relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
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relative Natural Colour (NC)				
lab*lab	0.625	0.168	0.184	
lab*tcH	0.625	0.75	0.867	
lab*ncH	0.25	0.75	0.867	
standard and adapted CIELab				
LAB*LAB	66.38	15.85		-11.09
lab*lab	66.38	15.85		-11.09
LAB*TCiHa	62.5	19.35	325.0	
relative Lab*lab				
lab*lab	0.625	0.205	-0.142	
lab*tcH	0.625	0.25	0.903	
lab*				

Input: Colorimetric Natural Reflective System CNS18

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

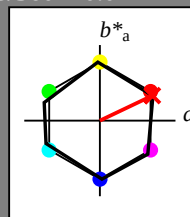
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 57 77 25

olv*Ma: 1.0 0.01 0.0

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	95.41	0.0	0.0	
LAB*Lab	95.41	0.0	0.0	
LAB*TCRa	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.248	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	85.73	17.37	8.28	
LAB*Lab	85.73	17.37	8.28	
LAB*TCRa	97.5	19.24	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	76.07	0.0	0.0	
LAB*Lab	76.07	0.0	0.0	
LAB*TCRa	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.50	0.50	(1.0)
cmv3*	0.0	0.498	0.5	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	17.37	8.28	
LAB*Lab	66.38	17.37	8.28	
LAB*TCRa	62.5	19.24	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.0	0.745	0.75	(0.0)
olv4*	1.0	0.505	0.5	(1.0)
cmv4*	0.0	0.495	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	34.75	16.56	
LAB*Lab	56.71	34.75	16.56	
LAB*TCRa	50.0	38.49	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.0	0.745	0.75	(0.0)
olv4*	1.0	0.505	0.5	(1.0)
cmv4*	0.0	0.495	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.71	34.75	16.56	
LAB*Lab	56.71	34.75	16.56	
LAB*TCRa	50.0	38.49	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.007	0.0	(1.0)
cmv3*	0.0	0.993	1.0	(0.0)
olv4*	1.0	0.257	0.25	(1.0)
cmv4*	0.0	0.743	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.51	57.73	25.48	
LAB*Lab	37.51	57.73	25.48	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
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olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
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cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
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relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

VE35-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

BAM-test chart VE35; Colorimetric systems CNS18 & FRS06

D65: 2 coordinate data of 5 step colour scales for 10 hues

Output: Colorimetric Printer Reflective System FRS06

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

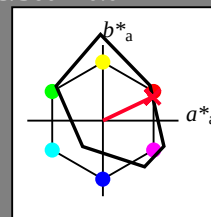
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 33 73 25

olv*Ma: 1.0 0.0 0.19

triangle lightness t^*



relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	91.97	-0.17	-5.11	
LAB*Lab	91.97	-0.17	-5.11	
LAB*TCRa	99.99	0.01	0.0	

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	77.21	16.01	3.3	
LAB*Lab	77.21	16.01	3.3	
LAB*TCRa	87.5	18.21	25.47	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.25	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	70.54	-0.53	-4.26	
LAB*Lab	70.54	-0.53	-4.26	
LAB*TCRa	75.0	0.01	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.50	0.50	(1.0)
cmv3*	0.0	0.498	0.5	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	66.38	17.37	8.28	
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olv3*	0.75	0.25	0.25	(1.0)
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cmv4*	0.0	0.495	0.5	(0.0)
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LAB*LAB	56.71	34.75	16.56	
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relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
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cmv4*	0.0	0.248	0.25	(0.0)
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LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.007	0.0	(1.0)
cmv3*	0.0	0.993	1.0	(0.0)
olv4*	1.0	0.257	0.25	(1.0)
cmv4*	0.0	0.743	0.75	(0.0)
standard and adapted CIELAB				
LAB*LAB	37.51	57.73	25.48	
LAB*Lab	37.51	57.73	25.48	
LAB*TCRa	37.51	57.73	25.48	

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cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

relative Inform. Technology (IT)

olv3*	0.75	0.005	0.0	(1.0)
cmv3*	0.0	0.995	1.0	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmv4*	0.0	0.248	0.25	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.03	52.12	24.83	
LAB*Lab	47.03	52.12	24.83	
LAB*TCRa	37.51	57.73	25.48	

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

input: olv* setrgbcolor

output: olv* (TRI9) setrgbcolor

Input: Colorimetric Natural Reflective System CNS18

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

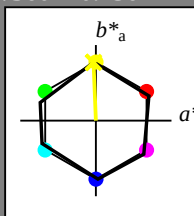
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 57 77 92

olv*Ma: 0.99 1.0 0.0

triangle lightness t^*



CNS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	56.7	70.15	32.71	77.4	25
JMa	56.7	-2.69	77.35	77.4	92
GMa	56.7	-73.6	23.92	77.4	162
G50BMa	56.7	-71.24	-30.23	77.4	203
BMa	56.7	2.7	-77.34	77.4	272
B50RMa	56.7	63.4	-44.38	77.4	325
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmv3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*ABa 95.41 0.0 0.0
LAB*TCha 99.99 0.01

relative Inform. Technology (IT)
olv3* 0.999 1.0 0.75 (1.0)
cmv3* 0.001 0.0 0.25 (0.0)
olv4* 0.999 1.0 0.75 (1.0)
cmv4* 0.001 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -0.76 19.26
LAB*ABa 85.73 -0.76 19.26
LAB*TCha 87.5 19.27 92.29

relative Inform. Technology (IT)
olv3* 0.997 1.0 0.5 (1.0)
cmv3* 0.003 0.0 0.5 (0.0)
olv4* 0.997 1.0 0.5 (1.0)
cmv4* 0.003 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 -1.54 38.52
LAB*ABa 76.05 -1.54 38.52
LAB*TCha 75.0 38.55 92.3

relative Inform. Technology (IT)
olv3* 0.998 1.0 0.25 (1.0)
cmv3* 0.002 0.0 0.25 (0.0)
olv4* 0.998 1.0 0.25 (1.0)
cmv4* 0.002 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 -2.32 57.78
LAB*ABa 66.37 -2.32 57.78
LAB*TCha 62.5 57.83 92.31

relative Inform. Technology (IT)
olv3* 0.994 1.0 0.0 (1.0)
cmv3* 0.006 0.0 0.0 (0.0)
olv4* 0.994 1.0 0.0 (1.0)
cmv4* 0.006 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 -3.09 77.03
LAB*ABa 56.7 -3.09 77.03
LAB*TCha 50.0 77.1 92.31

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*ABa 76.07 0.0 0.0
LAB*TCha 75.0 0.01

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.5 (1.0)
cmv3* 0.25 0.25 0.5 (0.0)
olv4* 1.0 1.0 0.5 (1.0)
cmv4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 -0.77 19.26
LAB*ABa 66.38 -0.77 19.26
LAB*TCha 62.5 19.28 92.31

relative Inform. Technology (IT)
olv3* 0.747 0.75 0.25 (1.0)
cmv3* 0.253 0.25 0.25 (0.0)
olv4* 0.997 1.0 0.5 (1.0)
cmv4* 0.003 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -1.55 38.52
LAB*ABa 56.71 -1.55 38.52
LAB*TCha 50.0 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.746 0.75 0.0 (1.0)
cmv3* 0.254 0.25 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -2.32 57.78
LAB*ABa 47.03 -2.32 57.78
LAB*TCha 37.5 57.82 92.31

relative Inform. Technology (IT)
olv3* 0.746 0.75 0.0 (1.0)
cmv3* 0.254 0.25 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -2.32 57.78
LAB*ABa 47.03 -2.32 57.78
LAB*TCha 37.5 57.82 92.31

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.0 (1.0)
cmv3* 0.25 0.25 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*ABa 56.72 0.0 0.0
LAB*TCha 50.0 0.01

relative Inform. Technology (IT)
olv3* 0.749 0.75 0.5 (1.0)
cmv3* 0.251 0.25 0.5 (0.0)
olv4* 0.999 1.0 0.75 (1.0)
cmv4* 0.001 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 -0.77 19.26
LAB*ABa 66.38 -0.77 19.26
LAB*TCha 62.5 19.28 92.31

relative Inform. Technology (IT)
olv3* 0.747 0.75 0.25 (1.0)
cmv3* 0.253 0.25 0.25 (0.0)
olv4* 0.997 1.0 0.5 (1.0)
cmv4* 0.003 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -1.55 38.52
LAB*ABa 56.71 -1.55 38.52
LAB*TCha 50.0 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.746 0.75 0.0 (1.0)
cmv3* 0.254 0.25 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -2.32 57.78
LAB*ABa 47.03 -2.32 57.78
LAB*TCha 37.5 57.82 92.31

relative Inform. Technology (IT)
olv3* 0.746 0.75 0.0 (1.0)
cmv3* 0.254 0.25 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -2.32 57.78
LAB*ABa 47.03 -2.32 57.78
LAB*TCha 37.5 57.82 92.31

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*ABa 56.72 0.0 0.0
LAB*TCha 50.0 0.01

relative Inform. Technology (IT)
olv3* 0.499 0.5 0.25 (1.0)
cmv3* 0.501 0.5 0.25 (0.0)
olv4* 0.999 1.0 0.75 (1.0)
cmv4* 0.001 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -2.32 57.78
LAB*ABa 47.03 -2.32 57.78
LAB*TCha 37.5 57.82 92.31

relative Inform. Technology (IT)
olv3* 0.497 0.5 0.0 (1.0)
cmv3* 0.503 0.5 0.0 (0.0)
olv4* 0.997 1.0 0.25 (1.0)
cmv4* 0.003 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.5 -1.55 38.51
LAB*ABa 37.5 -1.55 38.51
LAB*TCha 25.01 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.496 0.5 0.0 (1.0)
cmv3* 0.504 0.5 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.5 -1.55 38.51
LAB*ABa 37.5 -1.55 38.51
LAB*TCha 25.01 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.496 0.5 0.0 (1.0)
cmv3* 0.504 0.5 0.0 (0.0)
olv4* 0.996 1.0 0.25 (1.0)
cmv4* 0.004 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.5 -1.55 38.51
LAB*ABa 37.5 -1.55 38.51
LAB*TCha 25.01 38.55 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmv3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*ABa 37.37 0.0 0.0
LAB*TCha 25.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmv3* 0.75 0.75 0.5 (0.0)
olv4* 1.0 1.0 0.5 (1.0)
cmv4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*ABa 37.37 0.0 0.0
LAB*TCha 25.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.5 (1.0)
cmv3* 0.75 0.75 0.5 (0.0)
olv4* 1.0 1.0 0.5 (1.0)
cmv4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.0 (1.0)
cmv3* 0.75 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -1.55 38.51
LAB*ABa 27.68 -1.55 38.51
LAB*TCha 12.5 38.52 92.31

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmv3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmv4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.125 0.25 0.0 (1.0)
cmv3* 0.875 0.75 0.0 (0.0)
olv4* 1.0 1.0 0.25 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*ABa 18.03 0.0 0.0
LAB*TCha 0.01 0.01

VE35-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

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

BAM-test chart VE35; Colorimetric systems CNS18 & FRS06

D65: 2 coordinate data of 5 step colour scales for 10 hues

Input: olv* setrgbcolor

Output: olv* (TRI9) setrgbcolor

Output: Colorimetric Printer Reflective System FRS06

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

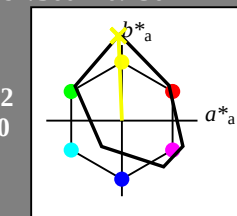
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 82 112 92

olv*Ma: 0.98 1.0 0.0

triangle lightness t^*



FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Input: Colorimetric Natural Reflective System CNS18

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

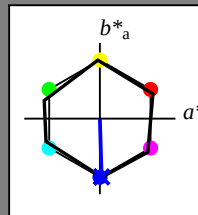
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 57 77 272

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	56.7	70.15	32.71	77.4	25
LAB*Lab	56.7	-2.69	77.35	77.4	92
LAB*Lab	56.7	-73.6	23.92	77.4	162
LAB*Lab	56.7	-71.24	-30.23	77.4	203
LAB*Lab	56.7	2.7	-77.34	77.4	272
LAB*Lab	56.7	63.4	-44.38	77.4	325
LAB*Lab	18.01	0.0	0.0	0.0	0
LAB*Lab	95.41	0.0	0.0	0.0	0
LAB*Lab	39.92	58.74	27.99	65.07	25
LAB*Lab	81.26	-2.88	71.56	71.62	92
LAB*Lab	52.23	-42.41	13.6	44.55	162
LAB*Lab	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv4*	0.25	0.25	0.25	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
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olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
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olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
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olv92*	0.0	0.0	0.0	(0.0)
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olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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LAB*Lab	52.23	-42.41	13.6	44.55	162
LAB*Lab	30.57	1.41	-46.46	46.49	272

LAB* <i>TCHa</i>	75.0	38.57	271.7
relative CIELAB <i>lab*</i>			
<i>lab*lab</i>	0.75	0.015	-0.49
<i>lab*tch</i>	0.75	0.5	0.755
<i>lab*nch</i>	0.0	0.5	0.755
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.75	0.0	-0.49
<i>lab*tce</i>	0.75	0.5	0.75
<i>lab*nce</i>	0.0	0.5	g99b