

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 25/360 = 0.069$

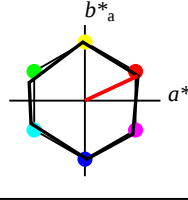
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 57 77 25

olv*Ma: 1.0 0.0 0.0

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 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 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 50.01

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*ncc 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* 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

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*ncc 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 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 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 6.26 0.0 0.0
LAB*LABa 6.26 0.0 0.0
LAB*LABb 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 35.07 16.35
LAB*LABa 76.05 35.07 16.35
LAB*LABb 75.00 38.69 25.0

relative CIELAB lab*
lab*lab 0.75 0.453 0.211
lab*ch 0.75 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.75 0.5 0.5 (1.0)
lab*tc 0.75 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmv3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 35.07 16.36
LAB*LABa 56.71 35.07 16.36
LAB*LABb 50.01 38.69 25.0

relative CIELAB lab*
lab*lab 0.75 0.453 0.211
lab*ch 0.75 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.75 0.5 0.5 (1.0)
lab*tc 0.75 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmv3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 35.07 16.36
LAB*LABa 37.37 35.07 16.36
LAB*LABb 25.00 38.69 25.0

relative CIELAB lab*
lab*lab 0.5 0.453 0.211
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*tc 0.5 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (1.0)
cmv3* 0.75 1.0 1.0 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 35.07 16.36
LAB*LABa 18.03 35.07 16.36
LAB*LABb 0.01 38.69 25.0

relative CIELAB lab*
lab*lab 0.25 0.453 0.211
lab*ch 0.25 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.5 0.5 (1.0)
lab*tc 0.25 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 6.26 35.07 16.36
LAB*LABa 6.26 35.07 16.36
LAB*LABb 0.01 38.69 25.0

relative CIELAB lab*
lab*lab 0.0 0.453 0.211
lab*ch 0.0 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.0 0.5 0.5 (1.0)
lab*tc 0.0 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmv3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.37 52.6 24.53
LAB*LABa 66.37 52.6 24.53
LAB*LABb 62.5 58.04 25.0

relative CIELAB lab*
lab*lab 0.52 0.68 0.317
lab*ch 0.625 0.75 0.069
lab*nch 0.0 0.75 0.069
relative Natural Colour (NC)
lab*tr 0.625 0.75 0.069
lab*tc 0.625 0.75 0.069
lab*ncc 0.0 0.75 0.069

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.0 (1.0)
cmv3* 0.25 0.75 0.75 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.7 70.13 32.7
LAB*LABa 56.7 70.13 32.7
LAB*LABb 50.01 77.38 25.0

relative CIELAB lab*
lab*lab 0.5 0.906 0.423
lab*ch 0.5 0.906 0.423
lab*nch 0.0 0.906 0.423
relative Natural Colour (NC)
lab*tr 0.5 0.906 0.423
lab*tc 0.5 0.906 0.423
lab*ncc 0.0 0.906 0.423

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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 8.89 -3.42
LAB*LABa 49.11 8.89 -3.42
LAB*LABb 50.01

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*tc 0.5 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 31.25 27.35 -3.7
LAB*LABa 31.25 27.35 -3.7
LAB*LABb 25.00 0.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.25 0.25 0.25 (1.0)
lab*ncc 0.0 0.25 0.25 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 6.26 0.0 0.0
LAB*LABa 6.26 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

$n^* = 0.00$
 $n^* = 0.25$
 $n^* = 0.50$
 $n^* = 0.75$
 $n^* = 1.00$
relative Bunttheit c^*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FR506

für Buntton $h^* = lab^*h = 25/360 = 0.069$

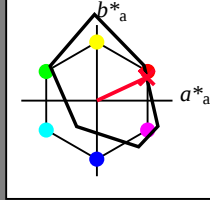
lab^*ch und lab^*nch

D65: Buntton R

LCH*Ma: 33 73 25

olv*Ma: 1.0 0.0 0.2

Dreiecks-Helligkeit 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*LABa 91.97 0.0 0.0
LAB*LABb 99.99 0.01

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 1.0 0.0 0.0
lab*ncc 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 70.54 -0.53 -4.26
LAB*LABa 70.54 -0.53 -4.26
LAB*LABb 75.00 0.01

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*ncc 0.0 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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 55.78 15.69 4.0
LAB*LABa 55.78 15.69 4.0
LAB*LABb 55.78 18.18 25.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*ch 0.5 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.5 0.5 0.5 (1.0)
lab*tc 0.5 0.5 0.5 (1.0)
lab*ncc 0.0 0.5 0.5 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 8.89 -3.42
LAB*LABa 49.11 8.89 -3.42
LAB*LABb 50.01

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.25 0.25 0.25 (1.0)
lab*ncc 0.0 0.25 0.25 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 6.26 0.0 0.0
LAB*LABa 6.26 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 6.26 0.0 0.0
LAB*LABa 6.26 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0 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 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.21 16.04 3.15
LAB*LABa 77.21 16.04 3.15
LAB*LABb 87.5 18.18 24.99

relative CIELAB lab*
lab*lab 1.0 0.75 0.75 (1.0)
lab*ch 1.0 0.75 0.75 (1.0)
lab*nch 0.0 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 1.0 0.75 0.75 (1.0)
lab*tc 1.0 0.75 0.75 (1.0)
lab*ncc 0.0 0.25 0.25 (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 62.46 32.27 11.42
LAB*LABa 62.46 32.27 11.42
LAB*LABb 75.00 36.36 25.0

relative CIELAB lab*
lab*lab 0.656 0.453 0.211
lab*ch 0.75 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.656 0.453 0.211
lab*tc 0.656 0.453 0.211
lab*ncc 0.0 0.5 0.5 (0.0)

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.5 (1.0)
cmv3* 0.25 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.7 48.5 19.69
LAB*LABa 47.7 48.5 19.69
LAB*LABb 62.5 54.54 25.0

relative CIELAB lab*
lab*lab 0.656 0.453 0.211
lab*ch 0.75 0.5 0.5 (1.0)
lab*nch 0.0 0.5 0.5 (0.0)
relative Natural Colour (NC)
lab*tr 0.656 0.453 0.211
lab*tc 0.656 0.453 0.211
lab*ncc 0.0 0.5 0.5 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.95 65.91 30.74
LAB*LABa 32.95 65.91 30.74
LAB*LABb 50.01 77.38 25.0

relative CIELAB lab*
lab*lab 0.311 0.906 0.423
lab*ch 0.5 1.0 0.069
lab*nch 0.0 1.0 0.069
relative Natural Colour (NC)
lab*tr 0.311 0.906 0.423
lab*tc 0.311 0.906 0.423
lab*ncc 0.0 1.0 0.069

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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 35.07 16.36
LAB*LABa 18.03 35.07 16.36
LAB*LABb 0.01 38.69 25.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*ch 0.25 0.25 0.25 (1.0)
lab*nch 0.0 0.25 0.25 (0.0)
relative Natural Colour (NC)
lab*tr 0.25 0.25 0.25 (1.0)
lab*tc 0.25 0.25 0.25 (1.0)
lab*ncc 0.0 0.25 0.25 (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 0.5 0.5 (1.0)
cmv4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 6.26 0.0 0.0
LAB*LABa 6.26 0.0 0.0
LAB*LABb 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*ncc 1.0 0.0

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 92/360 = 0.256$

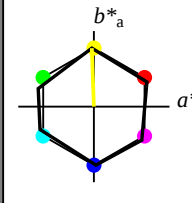
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 57 77 92

olv*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 100$

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*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.75 (1.0)
cmv3* 0.0 0.0 0.25 (0.0)
olv4* 1.0 1.0 0.75 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 -0.67 19.33
LAB*LABa 85.73 -0.67 19.33
LAB*LABb 85.73 -0.67 19.33
LAB*LABc 85.73 -0.67 19.33

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.5 (1.0)
cmv3* 0.0 0.0 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 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.25 (1.0)
cmv3* 0.0 0.0 0.25 (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 66.38 0.0 0.0
LAB*LABa 66.38 0.0 0.0
LAB*LABb 66.38 0.0 0.0
LAB*LABc 66.38 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.125 (1.0)
cmv3* 0.0 0.0 0.125 (0.0)
olv4* 1.0 1.0 0.125 (1.0)
cmv4* 0.0 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0625 (1.0)
cmv3* 0.0 0.0 0.0625 (0.0)
olv4* 1.0 1.0 0.0625 (1.0)
cmv4* 0.0 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 -0.67 19.34
LAB*LABa 47.03 -0.67 19.34
LAB*LABb 47.03 -0.67 19.34
LAB*LABc 47.03 -0.67 19.34

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.03125 (1.0)
cmv3* 0.0 0.0 0.03125 (0.0)
olv4* 1.0 1.0 0.03125 (1.0)
cmv4* 0.0 0.0 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 37.50 0.0 0.0
LAB*LABa 37.50 0.0 0.0
LAB*LABb 37.50 0.0 0.0
LAB*LABc 37.50 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.015625 (1.0)
cmv3* 0.0 0.0 0.015625 (0.0)
olv4* 1.0 1.0 0.015625 (1.0)
cmv4* 0.0 0.0 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -0.67 19.33
LAB*LABa 27.68 -0.67 19.33
LAB*LABb 27.68 -0.67 19.33
LAB*LABc 27.68 -0.67 19.33

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0078125 (1.0)
cmv3* 0.0 0.0 0.0078125 (0.0)
olv4* 1.0 1.0 0.0078125 (1.0)
cmv4* 0.0 0.0 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.03 0.0 0.0
LAB*LABc 18.03 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.00390625 (1.0)
cmv3* 0.0 0.0 0.00390625 (0.0)
olv4* 1.0 1.0 0.00390625 (1.0)
cmv4* 0.0 0.0 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 0.0 0.0
LAB*LABa 9.01 0.0 0.0
LAB*LABb 9.01 0.0 0.0
LAB*LABc 9.01 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.001953125 (1.0)
cmv3* 0.0 0.0 0.001953125 (0.0)
olv4* 1.0 1.0 0.001953125 (1.0)
cmv4* 0.0 0.0 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 4.51 0.0 0.0
LAB*LABa 4.51 0.0 0.0
LAB*LABb 4.51 0.0 0.0
LAB*LABc 4.51 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0009765625 (1.0)
cmv3* 0.0 0.0 0.0009765625 (0.0)
olv4* 1.0 1.0 0.0009765625 (1.0)
cmv4* 0.0 0.0 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 2.26 0.0 0.0
LAB*LABa 2.26 0.0 0.0
LAB*LABb 2.26 0.0 0.0
LAB*LABc 2.26 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.00048828125 (1.0)
cmv3* 0.0 0.0 0.00048828125 (0.0)
olv4* 1.0 1.0 0.00048828125 (1.0)
cmv4* 0.0 0.0 0.00048828125 (0.0)
standard and adapted CIELAB
LAB*LAB 1.13 0.0 0.0
LAB*LABa 1.13 0.0 0.0
LAB*LABb 1.13 0.0 0.0
LAB*LABc 1.13 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.000244140625 (1.0)
cmv3* 0.0 0.0 0.000244140625 (0.0)
olv4* 1.0 1.0 0.000244140625 (1.0)
cmv4* 0.0 0.0 0.000244140625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.56 0.0 0.0
LAB*LABa 0.56 0.0 0.0
LAB*LABb 0.56 0.0 0.0
LAB*LABc 0.56 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0001220703125 (1.0)
cmv3* 0.0 0.0 0.0001220703125 (0.0)
olv4* 1.0 1.0 0.0001220703125 (1.0)
cmv4* 0.0 0.0 0.0001220703125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.28 0.0 0.0
LAB*LABa 0.28 0.0 0.0
LAB*LABb 0.28 0.0 0.0
LAB*LABc 0.28 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.00006103515625 (1.0)
cmv3* 0.0 0.0 0.00006103515625 (0.0)
olv4* 1.0 1.0 0.00006103515625 (1.0)
cmv4* 0.0 0.0 0.00006103515625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.14 0.0 0.0
LAB*LABa 0.14 0.0 0.0
LAB*LABb 0.14 0.0 0.0
LAB*LABc 0.14 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.000030517578125 (1.0)
cmv3* 0.0 0.0 0.000030517578125 (0.0)
olv4* 1.0 1.0 0.000030517578125 (1.0)
cmv4* 0.0 0.0 0.000030517578125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.07 0.0 0.0
LAB*LABa 0.07 0.0 0.0
LAB*LABb 0.07 0.0 0.0
LAB*LABc 0.07 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0000152587890625 (1.0)
cmv3* 0.0 0.0 0.0000152587890625 (0.0)
olv4* 1.0 1.0 0.0000152587890625 (1.0)
cmv4* 0.0 0.0 0.0000152587890625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 0.03 0.0 0.0
LAB*LABb 0.03 0.0 0.0
LAB*LABc 0.03 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.00000762939453125 (1.0)
cmv3* 0.0 0.0 0.00000762939453125 (0.0)
olv4* 1.0 1.0 0.00000762939453125 (1.0)
cmv4* 0.0 0.0 0.00000762939453125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.0 0.0
LAB*LABa 0.01 0.0 0.0
LAB*LABb 0.01 0.0 0.0
LAB*LABc 0.01 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.000003814697265625 (1.0)
cmv3* 0.0 0.0 0.000003814697265625 (0.0)
olv4* 1.0 1.0 0.000003814697265625 (1.0)
cmv4* 0.0 0.0 0.000003814697265625 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0
LAB*LABc 0.00 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0000019073486328125 (1.0)
cmv3* 0.0 0.0 0.0000019073486328125 (0.0)
olv4* 1.0 1.0 0.0000019073486328125 (1.0)
cmv4* 0.0 0.0 0.0000019073486328125 (0.0)
standard and adapted CIELAB
LAB*LAB 0.00 0.0 0.0
LAB*LABa 0.00 0.0 0.0
LAB*LABb 0.00 0.0 0.0
LAB*LABc 0.00 0.0 0.0

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FR506

für Buntton $h^* = lab^*h = 92/360 = 0.256$

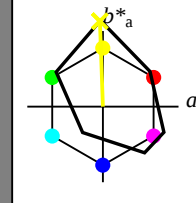
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 82 113 92

olv*Ma: 0.99 1.0 0.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 115$

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 -0.17 -5.11
LAB*LABb 91.97 -0.17 -5.11
LAB*LABc 91.97 -0.17 -5.11

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.75 (1.0)
cmv3* 0.0 0.0 0.25 (0.0)
olv4* 1.0 1.0 0.75 (1.0)
cmv4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 89.51 -1.19 23.25
LAB*LABa 89.51 -1.19 23.25
LAB*LABb 89.51 -1.19 23.25
LAB*LABc 89.51 -1.19 23.25

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.5 (1.0)
cmv3* 0.0 0.0 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 87.06 -1.96 36.54
LAB*LABa 87.06 -1.96 36.54
LAB*LABb 87.06 -1.96 36.54
LAB*LABc 87.06 -1.96 36.54

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.25 (1.0)
cmv3* 0.0 0.0 0.25 (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 84.61 -3.25 51.62
LAB*LABa 84.61 -3.25 51.62
LAB*LABb 84.61 -3.25 51.62
LAB*LABc 84.61 -3.25 51.62

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.125 (1.0)
cmv3* 0.0 0.0 0.125 (0.0)
olv4* 1.0 1.0 0.125 (1.0)
cmv4* 0.0 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 82.16 -3.91 113.07
LAB*LABa 82.16 -3.91 113.07
LAB*LABb 82.16 -3.91 113.07
LAB*LABc 82.16 -3.91 113.07

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0625 (1.0)
cmv3* 0.0 0.0 0.0625 (0.0)
olv4* 1.0 1.0 0.0625 (1.0)
cmv4* 0.0 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 79.99 -4.61 188.81
LAB*LABa 79.99 -4.61 188.81
LAB*LABb 79.99 -4.61 188.81
LAB*LABc 79.99 -4.61 188.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.03125 (1.0)
cmv3* 0.0 0.0 0.03125 (0.0)
olv4* 1.0 1.0 0.03125 (1.0)
cmv4* 0.0 0.0 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 77.99 -5.38 268.81
LAB*LABa 77.99 -5.38 268.81
LAB*LABb 77.99 -5.38 268.81
LAB*LABc 77.99 -5.38 268.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.015625 (1.0)
cmv3* 0.0 0.0 0.015625 (0.0)
olv4* 1.0 1.0 0.015625 (1.0)
cmv4* 0.0 0.0 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 75.99 -6.15 358.81
LAB*LABa 75.99 -6.15 358.81
LAB*LABb 75.99 -6.15 358.81
LAB*LABc 75.99 -6.15 358.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0078125 (1.0)
cmv3* 0.0 0.0 0.0078125 (0.0)
olv4* 1.0 1.0 0.0078125 (1.0)
cmv4* 0.0 0.0 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 73.99 -6.92 448.81
LAB*LABa 73.99 -6.92 448.81
LAB*LABb 73.99 -6.92 448.81
LAB*LABc 73.99 -6.92 448.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.00390625 (1.0)
cmv3* 0.0 0.0 0.00390625 (0.0)
olv4* 1.0 1.0 0.00390625 (1.0)
cmv4* 0.0 0.0 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 71.99 -7.69 538.81
LAB*LABa 71.99 -7.69 538.81
LAB*LABb 71.99 -7.69 538.81
LAB*LABc 71.99 -7.69 538.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.001953125 (1.0)
cmv3* 0.0 0.0 0.001953125 (0.0)
olv4* 1.0 1.0 0.001953125 (1.0)
cmv4* 0.0 0.0 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 69.99 -8.46 628.81
LAB*LABa 69.99 -8.46 628.81
LAB*LABb 69.99 -8.46 628.81
LAB*LABc 69.99 -8.46 628.81

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0009765625 (1.0)
cmv3* 0.0 0.0 0.0009765625 (0.0)
olv4* 1.0 1.0 0.0009765625 (1.0)
cmv4* 0.0 0.0 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 67.99 -9.23 718.81
LAB*LABa 67.99 -9.23 718.81
LAB*LABb 67.99 -9.23 718.81
LAB*LABc 67.99 -9.23 718.81

VG350-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

BAM-Prüfvorlage VG35; Farbmetrik-Systeme CNS18 & FR506 input: olv* setrgbcolor
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: olv* (TRI9) setrgbcolor

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 162/360 = 0.45$

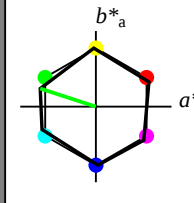
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 162

olv*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 100$

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.0 (0.0)

olv4* 0.0 0.0 0.0 (0.0)

olv5* 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

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 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 76.07 0.0 0.0

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*lab 0.75 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 56.72 0.0 0.0

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.5 0.0 0.0

CNS18; adaptierte CIELAB-Daten

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

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

%Regularität

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

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

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

olv4* 0.5 0.5 0.5 (1.0)

olv5* 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 76.05 -36.79 11.96

LAB*LABa 76.05 -36.79 11.96

LAB*LABb 76.05 -36.79 11.96

relative CIELAB lab*

lab*lab 0.75 -0.474 0.154

lab*lab 0.75 0.5 0.45

lab*lab 0.75 0.5 0.45

relative Natural Colour (NC)

lab*lab 0.75 -0.474 0.154

lab*lab 0.75 0.5 0.45

lab*lab 0.75 0.5 0.45

standard and adapted CIELAB

LAB*LAB 66.37 -55.19 17.94

LAB*LABa 66.37 -55.19 17.94

LAB*LABb 66.37 -55.19 17.94

relative CIELAB lab*

lab*lab 0.52 -0.712 0.232

lab*lab 0.52 0.75 0.45

lab*lab 0.52 0.75 0.45

relative Natural Colour (NC)

lab*lab 0.52 -0.712 0.232

lab*lab 0.52 0.75 0.45

lab*lab 0.52 0.75 0.45

standard and adapted CIELAB

LAB*LAB 56.71 -36.8 11.96

LAB*LABa 56.71 -36.8 11.96

LAB*LABb 56.71 -36.8 11.96

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FR506

für Buntton $h^* = lab^*h = 162/360 = 0.45$

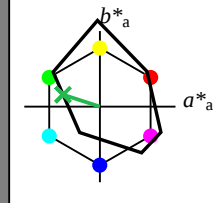
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 43 51 162

olv*Ma: 0.0 1.0 0.37

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 115$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

olv4* 1.0 1.0 1.0 (1.0)

olv5* 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11

LAB*LABa 91.97 0.0 0.0

LAB*LABb 91.97 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

lab*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB*LAB 70.54 -0.53 -4.26

LAB*LABa 70.54 -0.53 -4.26

LAB*LABb 70.54 -0.53 -4.26

relative CIELAB lab*

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

lab*lab 0.75 0.0 0.0

standard and adapted CIELAB

LAB*LAB 56.71 -36.8 11.96

LAB*LABa 56.71 -36.8 11.96

LAB*LABb 56.71 -36.8 11.96

relative CIELAB lab*

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

lab*lab 0.5 0.0 0.0

relative Natural Colour (NC)

lab*lab 0.5 0.0 0.0

FR506; adaptierte CIELAB-Daten

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

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

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

%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

olv4* 0.5 0.5 0.5 (1.0)

olv5* 0.5 0.5 0.5 (1.0)

standard and adapted CIELAB

LAB*LAB 67.28 -24.92 3.77

LAB*LABa 67.28 -24.92 3.77

LAB*LABb 67.28 -24.92 3.77

relative CIELAB lab*

lab*lab 0.712 -0.498 -0.029

lab*lab 0.712 0.5 0.51

lab*lab 0.712 0.5 0.51

relative Natural Colour (NC)

lab*lab 0.712 -0.498 -0.029

lab*lab 0.712 0.5 0.51

lab*lab 0.712 0.5 0.51

standard and adapted CIELAB

LAB*LAB 45.85 -25.29 4.62

LAB*LABa 45.85 -25.29 4.62

LAB*LABb 45.85 -25.29 4.62

relative CIELAB lab*

lab*lab 0.568 -0.748 -0.044

lab*lab 0.568 0.75 0.51

lab*lab 0.568 0.75 0.51

relative Natural Colour (NC)

lab*lab 0.568 -0.748 -0.044

lab*lab 0.568 0.75 0.51

lab*lab 0.568 0.75 0.51

standard and adapted CIELAB

LAB*LAB 33.41 -37.67 9.06

LAB*LABa 33.41 -37.67 9.06

LAB*LABb 33.41 -37.67 9.06

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 203/360 = 0.564$

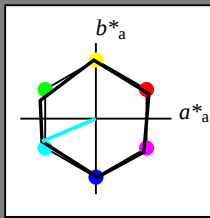
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 57 77 203

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 100$

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 0.0
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 0.75 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 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 0.5 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 0.25 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 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 0.01 0.01
LAB*LAB 0.01 0.01
LAB*LAB 0.01 0.01

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 76.05 -35.61 -15.11
LAB*LAB 76.05 -35.61 -15.11
LAB*LAB 76.05 -35.61 -15.11

relative CIELAB lab*
lab*lab 0.75 -0.459 -0.194
lab*ch 0.75 0.5 0.564
lab*nch 0.75 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.75 -0.416 -0.275
lab*tc 0.75 0.5 0.593
lab*nc 0.75 0.5 0.593

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -35.61 -15.11
LAB*LAB 56.71 -35.61 -15.11
LAB*LAB 56.71 -35.61 -15.11

relative CIELAB lab*
lab*lab 0.5 -0.459 -0.194
lab*ch 0.5 0.5 0.564
lab*nch 0.5 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.5 -0.416 -0.275
lab*tc 0.5 0.5 0.593
lab*nc 0.5 0.5 0.593

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -35.61 -15.11
LAB*LAB 37.36 -35.61 -15.11
LAB*LAB 37.36 -35.61 -15.11

relative CIELAB lab*
lab*lab 0.25 -0.459 -0.194
lab*ch 0.25 0.5 0.564
lab*nch 0.25 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.25 -0.416 -0.275
lab*tc 0.25 0.5 0.593
lab*nc 0.25 0.5 0.593

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 -35.61 -15.11
LAB*LAB 18.03 -35.61 -15.11
LAB*LAB 18.03 -35.61 -15.11

relative CIELAB lab*
lab*lab 0.0 -0.459 -0.194
lab*ch 0.0 0.5 0.564
lab*nch 0.0 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.0 -0.416 -0.275
lab*tc 0.0 0.5 0.593
lab*nc 0.0 0.5 0.593

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 0.26 0.26 0.26
LAB*LAB 0.26 0.26 0.26
LAB*LAB 0.26 0.26 0.26

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton $h^* = lab^*h = 203/360 = 0.564$

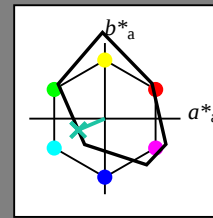
lab^*ch und lab^*nch

D65: Buntton G50B

LCH*Ma: 46 38 203

olv*Ma: 0.0 1.0 0.76

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 115$

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 91.97 -0.17 -5.11
LAB*LAB 91.97 -0.17 -5.11
LAB*LAB 91.97 -0.17 -5.11

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 1.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 70.54 -0.53 -4.26
LAB*LAB 70.54 -0.53 -4.26
LAB*LAB 70.54 -0.53 -4.26

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 0.75 0.0 0.0
lab*nch 0.75 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.75 0.0 0.0
lab*tc 0.75 0.0 0.0
lab*nc 0.75 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* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 59.0 -0.54 -7.54
LAB*LAB 59.0 -0.54 -7.54
LAB*LAB 59.0 -0.54 -7.54

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 0.5 0.0 0.0
lab*nch 0.5 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.5 0.0 0.0
lab*tc 0.5 0.0 0.0
lab*nc 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LAB 49.11 -0.89 -3.42
LAB*LAB 49.11 -0.89 -3.42

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 0.25 0.0 0.0
lab*nch 0.25 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.25 0.0 0.0
lab*tc 0.25 0.0 0.0
lab*nc 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 27.68 -0.25 -5.37
LAB*LAB 27.68 -0.25 -5.37
LAB*LAB 27.68 -0.25 -5.37

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 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 6.26 0.0 0.0
LAB*LAB 6.26 0.0 0.0
LAB*LAB 6.26 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

FRS06; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 68.9 -18.17 -11.67
LAB*LAB 68.9 -18.17 -11.67
LAB*LAB 68.9 -18.17 -11.67

relative CIELAB lab*
lab*lab 0.731 -0.459 -0.194
lab*ch 0.731 0.5 0.564
lab*nch 0.731 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.731 -0.407 -0.288
lab*tc 0.731 0.5 0.598
lab*nc 0.731 0.5 0.598

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 47.47 -18.54 -10.82
LAB*LAB 47.47 -18.54 -10.82
LAB*LAB 47.47 -18.54 -10.82

relative CIELAB lab*
lab*lab 0.481 -0.459 -0.194
lab*ch 0.481 0.5 0.564
lab*nch 0.481 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.481 -0.407 -0.288
lab*tc 0.481 0.5 0.598
lab*nc 0.481 0.5 0.598

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.04 -17.6 -7.46
LAB*LAB 26.04 -17.6 -7.46
LAB*LAB 26.04 -17.6 -7.46

relative CIELAB lab*
lab*lab 0.231 -0.459 -0.194
lab*ch 0.231 0.5 0.564
lab*nch 0.231 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.231 -0.407 -0.288
lab*tc 0.231 0.5 0.598
lab*nc 0.231 0.5 0.598

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 16.15 -8.8 -3.73
LAB*LAB 16.15 -8.8 -3.73
LAB*LAB 16.15 -8.8 -3.73

relative CIELAB lab*
lab*lab 0.115 -0.459 -0.194
lab*ch 0.115 0.5 0.564
lab*nch 0.115 0.5 0.564
relative Natural Colour (NC)
lab*tr 0.115 -0.407 -0.288
lab*tc 0.115 0.5 0.598
lab*nc 0.115 0.5 0.598

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 6.26 0.0 0.0
LAB*LAB 6.26 0.0 0.0
LAB*LAB 6.26 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*tc 0.0 0.0 0.0
lab*nc 0.0 0.0 0.0

BAM-Prüfvorlage VG35; Farbmetrik-Systeme CNS18 & FRS06 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: olv* (TRI9) setrgbcolor

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

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 162/360 = 0.451$

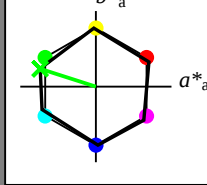
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 57 77 162

olv*Ma: 0.0 1.0 0.01

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 100$

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)

standard and adapted CIELAB

LAB*LAB 56.7 77.0 162.0

LAB*LABa 56.7 77.0 162.0

LAB*LABb 56.7 77.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 56.7 77.0 162.0

LAB*LABa 56.7 77.0 162.0

LAB*LABb 56.7 77.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 56.7 77.0 162.0

LAB*LABa 56.7 77.0 162.0

LAB*LABb 56.7 77.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

CNS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

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

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

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

relative Bunttheit c^*

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FRS06

für Buntton $h^* = lab^*h = 162/360 = 0.451$

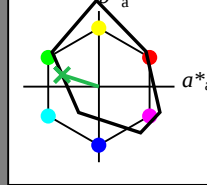
lab^*ch und lab^*nch

D65: Buntton G

LCH*Ma: 43 51 162

olv*Ma: 0.0 1.0 0.38

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 115$

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)

standard and adapted CIELAB

LAB*LAB 43.0 51.0 162.0

LAB*LABa 43.0 51.0 162.0

LAB*LABb 43.0 51.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 43.0 51.0 162.0

LAB*LABa 43.0 51.0 162.0

LAB*LABb 43.0 51.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB

LAB*LAB 43.0 51.0 162.0

LAB*LABa 43.0 51.0 162.0

LAB*LABb 43.0 51.0 162.0

relative CIELAB lab*

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

lab*lab 1.0 1.0 1.0 (1.0)

FRS06; adaptierte CIELAB-Daten

	$L^* = L^*_a$	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

%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

	$L^* = L^*_a$	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

	$L^* = L^*_a$	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

relative Bunttheit c^*

BAM-Prüfvorlage VG35; Farbmetrik-Systeme CNS18 & FRS06 input: olv* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: olv*' (TRI9) setrgbcolor

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

Eingabe: Farbmetrisches Natürliches-Reflektiv-System CNS18

für Buntton $h^* = lab^*h = 272/360 = 0.755$

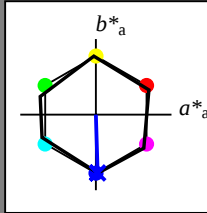
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 57 77 272

olv*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit 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*LABa 95.41 0.0 0.0
LAB*LABb 95.41 0.0 0.0
LAB*LABc 95.41 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.73 0.58 -19.26
LAB*LABa 85.73 0.58 -19.26
LAB*LABb 85.73 0.58 -19.26
LAB*LABc 85.73 0.58 -19.26

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.59 -19.27
LAB*LABa 66.38 0.59 -19.27
LAB*LABb 66.38 0.59 -19.27
LAB*LABc 66.38 0.59 -19.27

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 1.76 -57.83
LAB*LABa 47.03 1.76 -57.83
LAB*LABb 47.03 1.76 -57.83
LAB*LABc 47.03 1.76 -57.83

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 57.87 271.74
LAB*LABa 37.51 57.87 271.74
LAB*LABb 37.51 57.87 271.74
LAB*LABc 37.51 57.87 271.74

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.36 1.18 -38.53
LAB*LABa 27.36 1.18 -38.53
LAB*LABb 27.36 1.18 -38.53
LAB*LABc 27.36 1.18 -38.53

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.03 0.0 0.0
LAB*LABc 18.03 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 0.01
LAB*LABa 9.01 0.01
LAB*LABb 9.01 0.01
LAB*LABc 9.01 0.01

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.59 -19.27
LAB*LABa 66.38 0.59 -19.27
LAB*LABb 66.38 0.59 -19.27
LAB*LABc 66.38 0.59 -19.27

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 1.76 -57.83
LAB*LABa 47.03 1.76 -57.83
LAB*LABb 47.03 1.76 -57.83
LAB*LABc 47.03 1.76 -57.83

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 57.87 271.74
LAB*LABa 37.51 57.87 271.74
LAB*LABb 37.51 57.87 271.74
LAB*LABc 37.51 57.87 271.74

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.36 1.18 -38.53
LAB*LABa 27.36 1.18 -38.53
LAB*LABb 27.36 1.18 -38.53
LAB*LABc 27.36 1.18 -38.53

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LABa 18.03 0.0 0.0
LAB*LABb 18.03 0.0 0.0
LAB*LABc 18.03 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 9.01 0.01
LAB*LABa 9.01 0.01
LAB*LABb 9.01 0.01
LAB*LABc 9.01 0.01

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

CNS18; adaptierte CIELAB-Daten

$L^*=L^*_a$ 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
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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

%Regularität

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

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

%Umfang

$u^*_{rel} = 100$

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

%Umfang

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%Umfang

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%Umfang

%Umfang

%Umfang

Ausgabe: Farbmetrisches Drucker-Reflektiv-System FR506

für Buntton $h^* = lab^*h = 272/360 = 0.755$

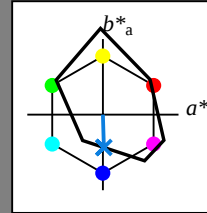
lab^*ch und lab^*nch

D65: Buntton B

LCH*Ma: 35 43 272

olv*Ma: 0.0 0.66 1.0

Dreiecks-Helligkeit 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 95.99 0.01
LAB*LABa 95.99 0.01
LAB*LABb 95.99 0.01
LAB*LABc 95.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.99 0.01
LAB*LABa 85.99 0.01
LAB*LABb 85.99 0.01
LAB*LABc 85.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.59 -19.27
LAB*LABa 66.38 0.59 -19.27
LAB*LABb 66.38 0.59 -19.27
LAB*LABc 66.38 0.59 -19.27

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 1.76 -57.83
LAB*LABa 47.03 1.76 -57.83
LAB*LABb 47.03 1.76 -57.83
LAB*LABc 47.03 1.76 -57.83

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LABa 76.07 0.0 0.0
LAB*LABb 76.07 0.0 0.0
LAB*LABc 76.07 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.38 0.59 -19.27
LAB*LABa 66.38 0.59 -19.27
LAB*LABb 66.38 0.59 -19.27
LAB*LABc 66.38 0.59 -19.27

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABa 56.72 0.0 0.0
LAB*LABb 56.72 0.0 0.0
LAB*LABc 56.72 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* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 47.03 1.76 -57.83
LAB*LABa 47.03 1.76 -57.83
LAB*LABb 47.03 1.76 -57.83
LAB*LABc 47.03 1.76 -57.83

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 57.87 271.74
LAB*LABa 37.51 57.87 271.74
LAB*LABb 37.51 57.87 271.74
LAB*LABc 37.51 57.87 271.74

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmv3* 0.25 0.25 0.25 (0.0)
olv4* 0.75 0.75 0.75 (1.0)
cmv4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.36 1.18 -38.53
LAB*LABa 27.36 1.18 -38.53
LAB*LABb 27.36 1.18 -38.53
LAB*LABc 27.36 1.18 -38.53