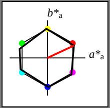
Input: Colorimetric Natural Reflective System CNS18

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	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	56.7	70.15	32.71	77.4	25
J_{Ma}	56.7	−2.69	77.35	77.4	92
G_{Ma}	56.7	−73.6	23.92	77.4	162
$G50B_{Ma}$	56.7	−71.24	−30.23	77.4	203
B_{Ma}	56.7	2.7	−77.34	77.4	272
$B50R_{Ma}$	56.7	63.4	−44.38	77.4	325
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Gamut
$u^*_{rel} = 100$
%Regularity
$g^*_{H,rel} = 59$
$g^*_{C,rel} = 100$

*n** = 0,00

blackness *n**

0,25 0,50 *n** = 0,50 0,75 1,00

chromaticness *c**

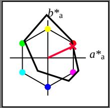
*n** = 1,0

Output: Colorimetric Printer Reflective System FRS06

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

D65: hue R
LCH*Ma: 33 73 25
olv*Ma: 1.0 0.0 0.2

triangle lightness *t**



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

%Gamut
$u^*_{rel} = 115$
%Regularity
$g^*_{H,rel} = 28$
$g^*_{C,rel} = 38$

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
*olvi4**	1.0	1.0	1.0	1.0
*cmyn4**	0.0	0.0	0.0	0.0
standard and adapted CIELAB				
*LAB*LAB*	91.97	−0.17	−5.11	
*LAB*LABa*	91.97	0.0	0.0	
*LAB*TCHa*	99.99	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	1.0	0.0	0.0	
*lab*tch*	1.0	0.0	–	
*lab*nch*	0.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	1.0	0.0	0.0	
*lab*tce*	1.0	0.0	–	
*lab*ncE*	0.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
*olvi4**	1.0	1.0	1.0	0.5
*cmyn4**	0.0	0.0	0.0	0.5
standard and adapted CIELAB				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.5	0.0	0.0	
*lab*tch*	0.5	0.0	–	
*lab*nch*	0.5	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.5	0.0	0.0	
*lab*tce*	0.5	0.0	–	
*lab*ncE*	0.5	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
*olvi4**	1.0	1.0	1.0	0.0
*cmyn4**	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
*LAB*LAB*	6.26	−1.62	−1.73	
*LAB*LABa*	6.26	0.0	0.0	
*LAB*TCHa*	0.01	0.01	–	
relative* CIELAB *lab*				
*lab*lab*	0.0	0.0	0.0	
*lab*tch*	0.0	0.0	–	
*lab*nch*	1.0	0.0	–	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.0	0.0	0.0	
*lab*tce*	0.0	0.0	–	
*lab*ncE*	1.0	0.0	–	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.5	0.598	(1.0)
*cmyn3**	0.0	0.5	0.402	(0.0)
*olvi4**	1.0	0.5	0.598	1.0
*cmyn4**	0.0	0.5	0.402	0.0
standard and adapted CIELAB				
*LAB*LAB*	62.46	32.27	11.42	
*LAB*LABa*	62.46	32.95	15.36	
*LAB*TCHa*	75.0	36.36	25.0	
relative* CIELAB *lab*				
*lab*lab*	0.656	0.453	0.211	
*lab*tch*	0.75	0.5	0.069	
*lab*nch*	0.0	0.5	0.069	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.656	0.5	−0.016	
*lab*tce*	0.75	0.5	0.995	
*lab*ncE*	0.0	0.5	b97r	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.0	0.098	(1.0)
*cmyn3**	0.5	1.0	0.902	(0.0)
*olvi4**	1.0	0.5	0.598	0.5
*cmyn4**	0.0	0.5	0.402	0.5
standard and adapted CIELAB				
*LAB*LAB*	19.6	31.55	13.12	
*LAB*LABa*	19.6	32.95	15.37	
*LAB*TCHa*	25.01	36.36	25.01	
relative* CIELAB *lab*				
*lab*lab*	0.156	0.453	0.211	
*lab*tch*	0.25	0.5	0.069	
*lab*nch*	0.5	0.5	0.069	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.156	0.5	−0.016	
*lab*tce*	0.25	0.5	0.995	
*lab*ncE*	0.5	0.5	b97r	

***relative* Inform. Technology (IT)**				
*olvi3**	1.0	0.0	0.196	(1.0)
*cmyn3**	0.0	1.0	0.804	(0.0)
*olvi4**	1.0	0.0	0.196	1.0
*cmyn4**	0.0	1.0	0.804	0.0
standard and adapted CIELAB				
*LAB*LAB*	32.95	64.73	27.95	
*LAB*LABa*	32.95	65.91	30.74	
*LAB*TCHa*	50.0	72.72	25.0	
relative* CIELAB *lab*				
*lab*lab*	0.311	0.906	0.423	
*lab*tch*	0.5	1.0	0.069	
*lab*nch*	0.0	1.0	0.069	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.311	0.999	−0.033	
*lab*tce*	0.5	1.0	0.995	
*lab*ncE*	0.0	1.0	b97r	

*n** = 0,00

blackness *n**

0,25 0,50 *n** = 0,50 0,75 1,00

chromaticness *c**

*n** = 1,0

VE300−7, 3 step scales for constant CIELAB hue 25/360 = 0.069 (left)

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

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Technical information: http://www.ps.bam.de
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application for evaluation and measurement of printer or monitor systems

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