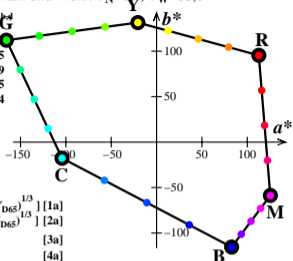


WCGa-Daten rgb^* , $XYZxy$ und $LabC^*h_{ab}$ im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_N=0,0$, $Y_W=88,6$

	rgb^*_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	100	55	112	95	147	40
Y_d	110	93	-20	131	133	98
G_d	101	81	-165	112	199	145
C_d	101	85	-104	-17	105	189
B_d	100	127	82	-115	142	305
M_d	101	60	125	-58	138	334
N_d	000	0	0	0	0	0
W_d	111	95	0	0	0	0



$$a^* = 500 [(X/X_{D65})^{1/3} - (Y/Y_{D65})^{1/3}] [1a]$$

$$b^* = 200 [(Y/Y_{D65})^{1/3} - (Z/Z_{D65})^{1/3}] [2a]$$

$$C^*_{ab} = [a^{*2} + b^{*2}]^{0,5} [3a]$$

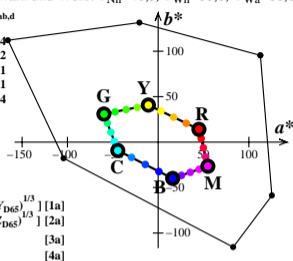
$$h_{ab} = \text{atan} [b^*/a^*] [4a]$$

fgn01-5a BEE40-2n

WCGa-Daten rgb^* , $XYZxy$ und $LabC^*h_{ab}$ im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=40,3$, $Y_{Wn}=88,6$, $Y_{Wa}=88,6$.

	rgb^*_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	100	77	44	14	47	17
Y_d	110	94	-10	40	42	104
G_d	101	88	-59	30	67	152
C_d	101	90	-44	-9	45	191
B_d	100	71	15	-40	43	291
M_d	101	79	54	-26	60	334
N_d	000	69	0	0	0	0
W_d	111	95	0	0	0	0



$$a^* = 500 [(X/X_{D65})^{1/3} - (Y/Y_{D65})^{1/3}] [1a]$$

$$b^* = 200 [(Y/Y_{D65})^{1/3} - (Z/Z_{D65})^{1/3}] [2a]$$

$$C^*_{ab} = [a^{*2} + b^{*2}]^{0,5} [3a]$$

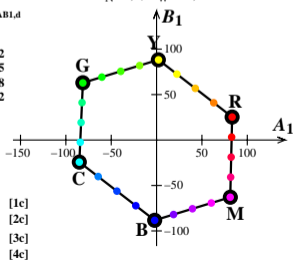
$$h_{ab} = \text{atan} [b^*/a^*] [4a]$$

fgn01-6a BEE41-2n

WCGa-Daten rgb^* , $XYZxy$ und L^*ABCh_{AB1} im $L^*AB1JND$ -Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_N=0,0$, $Y_W=88,6$

	rgb^*_d	L^*_d	$A_{1,d}$	$B_{1,d}$	$C_{AB1,d}$	$h_{AB1,d}$
R_d	100	55	83	25	87	16
Y_d	110	93	2	88	88	88
G_d	101	81	-81	62	102	142
C_d	101	85	-85	-24	88	195
B_d	100	127	-2	-88	88	268
M_d	101	60	81	-62	102	322
N_d	000	0	0	0	0	0
W_d	111	95	0	0	0	0



$$a_1 = a_{20} [(x - x_c) / y] [1c]$$

$$b_1 = b_{20} [z / y] [2c]$$

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,000$$

$$A_1 = 2,5 (a_1 - a_{1,n}) Y [1c]$$

$$B_1 = 2,5 B_c (b_1 - b_{1,n}) Y [2c]$$

$$C_{AB1} = [A_1^2 + B_1^2]^{0,5} [3c]$$

$$h_{AB1} = \text{atan} [B_1 / A_1] [4c]$$

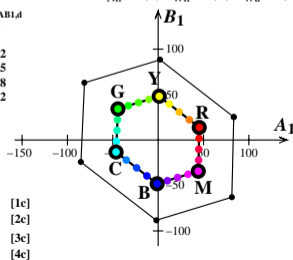
fgn01-7a BEE40-6n

fgn01-7n

WCGa-Daten rgb^* , $XYZxy$ und L^*ABCh_{AB1} im $L^*AB1JND$ -Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=40,3$, $Y_{Wn}=88,6$, $Y_{Wa}=88,6$.

	rgb^*_d	L^*_d	$A_{1,d}$	$B_{1,d}$	$C_{AB1,d}$	$h_{AB1,d}$
R_d	100	77	45	13	47	16
Y_d	110	94	1	48	48	88
G_d	101	88	-44	34	56	142
C_d	101	90	-46	-13	48	195
B_d	100	71	-1	-48	48	268
M_d	101	79	44	-34	55	322
N_d	000	69	0	0	0	0
W_d	111	95	0	0	0	0



$$a_1 = a_{20} [(x - x_c) / y] [1c]$$

$$b_1 = b_{20} [z / y] [2c]$$

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,000$$

$$A_1 = 2,5 (a_1 - a_{1,n}) Y [1c]$$

$$B_1 = 2,5 B_c (b_1 - b_{1,n}) Y [2c]$$

$$C_{AB1} = [A_1^2 + B_1^2]^{0,5} [3c]$$

$$h_{AB1} = \text{atan} [B_1 / A_1] [4c]$$

fgn01-8a BEE41-6n