

WCGa data rgb^* , XYZ_{xy} , and L^*ABCh_{AB1} in L^*AB1 JND-colour space

Tristimulus values of black and white: $Y_N=0,0$, $Y_W=88,6$

	rgb_d^*	L_d^*	$A_{1,d}$	$B_{1,d}$	$C_{AB1,d}$	$h_{AB1,d}$
R_d	1 0 0	55	83	25	87	16
Y_d	1 1 0	93	2	88	88	88
G_d	0 1 0	81	-81	62	102	142
C_d	0 1 1	85	-85	-24	88	195
B_d	0 0 1	27	-2	-88	88	268
M_d	1 0 1	60	81	-62	102	322
N_d	0 0 0	0	0	0	0	0
W_d	1 1 1	95	0	0	0	0

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

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

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

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

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

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

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

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

