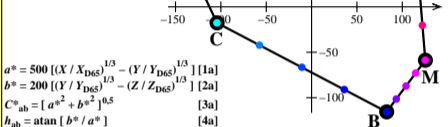


### WCGa data $rgb^*$ , $XYZxy$ , and $LabC^*h_{ab}$ in the CIELAB-colour space

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

	$rgb^*_d$	$L^*_d$	$a^*_d$	$b^*_d$	$C^*_{ab,d}$	$h_{ab,d}$
$R_d$	100	55	112	95	147	40
$Y_d$	110	93	-20	131	133	98
$G_d$	010	81	-165	112	199	145
$C_d$	011	85	-104	-17	105	189
$B_d$	001	27	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



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

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

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

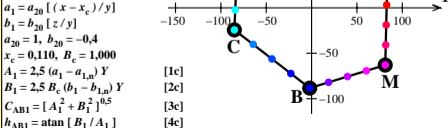
$$h_{ab} = \text{atan} [b^* / a^*] \quad [4a]$$

CEZ70-5A BEEE0-2N

### WCGa data $rgb^*$ , $XYZxy$ , and $L^*ABCh_{AB1}$ in $L^*AB1JND$ -colour space

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

	$rgb^*_d$	$L^*_d$	$A_{1,d}$	$B_{1,d}$	$C_{AB1,d}$	$h_{AB1,d}$
$R_d$	100	55	83	25	87	16
$Y_d$	110	93	2	88	88	88
$G_d$	010	81	-81	62	102	142
$C_d$	011	85	-85	-24	88	195
$B_d$	001	27	-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



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

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

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

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

$$A_1 = 2,5 (a_1 - a_{1,n}) Y \quad [3c]$$

$$B_1 = 2,5 B_c (b_1 - b_{1,n}) Y \quad [4c]$$

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

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

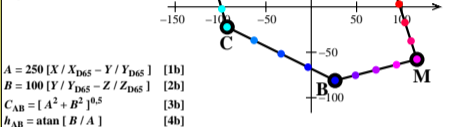
CEZ70-7A BEEE0-6N

CEZ70-7N

### WCGa data $rgb^*$ , $XYZxy$ , and $L^*ABCh_{AB}$ in $L^*ABJND$ -colour space

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

	$rgb^*_d$	$L^*_d$	$A_d$	$B_d$	$C_{AB,d}$	$h_{AB,d}$
$R_d$	100	55	90	23	93	14
$Y_d$	110	93	-26	81	85	107
$G_d$	010	81	-116	57	130	153
$C_d$	011	85	-92	-22	95	193
$B_d$	001	27	26	-81	85	287
$M_d$	101	60	116	-57	130	333
$N_d$	000	0	0	0	0	0
$W_d$	111	95	0	0	0	0



$$A = 250 [X / X_{D65} - Y / Y_{D65}] \quad [1b]$$

$$B = 100 [Y / Y_{D65} - Z / Z_{D65}] \quad [2b]$$

$$C_{AB} = [A^2 + B^2]^{0,5} \quad [3b]$$

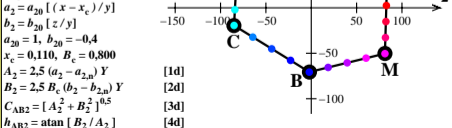
$$h_{AB} = \text{atan} [B / A] \quad [4b]$$

CEZ70-6A BEEE0-4N

### WCGa data $rgb^*$ , $XYZxy$ , and $L^*ABCh_{AB2}$ in $L^*AB2JND$ -colour space

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

	$rgb^*_d$	$L^*_d$	$A_{2,d}$	$B_{2,d}$	$C_{AB2,d}$	$h_{AB2,d}$
$R_d$	100	55	83	20	85	13
$Y_d$	110	93	2	70	70	88
$G_d$	010	81	-81	50	95	148
$C_d$	011	85	-85	-19	87	192
$B_d$	001	27	-2	-70	70	268
$M_d$	101	60	81	-50	95	328
$N_d$	000	0	0	0	0	0
$W_d$	111	95	0	0	0	0



$$a_2 = a_{20} [(x - x_c) / y] \quad [1d]$$

$$b_2 = b_{20} [z / y] \quad [2d]$$

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

$$x_c = 0,110, B_c = 0,800$$

$$A_2 = 2,5 (a_2 - a_{2,n}) Y \quad [3d]$$

$$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y \quad [4d]$$

$$C_{AB2} = [A_2^2 + B_2^2]^{0,5}$$

$$h_{AB2} = \text{atan} [B_2 / A_2]$$

CEZ70-8A BEEE0-8N