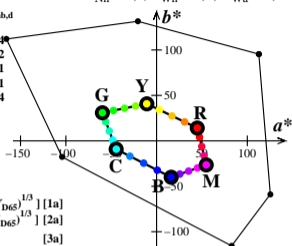


### WCGa data $rgb^*$ , $XYZxy$ , and $LabC^*h_{ab}$ in the CIELAB-colour space

Tristimulus values of black and white:  $Y_{Nn}=40,3$ ,  $Y_{Wn}=88,6$ ,  $Y_{Wa}=88,6$ .

	$rgb^*_d$	$L^*_d$	$a^*_d$	$b^*_d$	$C^*_{ab,d}$	$h_{ab,d}$
$R_d$	100	77	44	14	47	17
$Y_d$	110	94	-10	40	42	104
$G_d$	010	88	-59	30	67	152
$C_d$	011	90	-44	-9	45	191
$B_d$	001	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



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

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

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

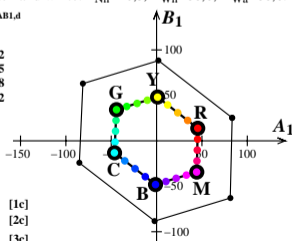
$$h_{ab} = \text{atan} [b^* / a^*] \quad [4a]$$

CEZ71-5A BEE41-2N

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

Tristimulus values of black and white:  $Y_{Nn}=40,3$ ,  $Y_{Wn}=88,6$ ,  $Y_{Wa}=88,6$ .

	$rgb^*_d$	$L^*_d$	$A_{1,d}$	$B_{1,d}$	$C_{AB1,d}$	$h_{AB1,d}$
$R_d$	100	77	45	13	47	16
$Y_d$	110	94	1	48	48	88
$G_d$	010	88	-44	34	56	142
$C_d$	011	90	-46	-13	48	195
$B_d$	001	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



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

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

$$a_{20} = 1, b_{20} = -0,4 \quad [3c]$$

$$x_c = 0,110, B_c = 1,000 \quad [4c]$$

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

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

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

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

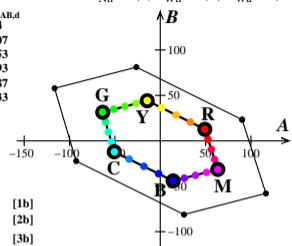
CEZ71-7A BEE41-6N

CEZ71-7N

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

Tristimulus values of black and white:  $Y_{Nn}=40,3$ ,  $Y_{Wn}=88,6$ ,  $Y_{Wa}=88,6$ .

	$rgb^*_d$	$L^*_d$	$A_d$	$B_d$	$C_{AB,d}$	$h_{AB,d}$
$R_d$	100	77	49	12	50	14
$Y_d$	110	94	-14	44	46	107
$G_d$	010	88	-63	31	70	153
$C_d$	011	90	-50	-12	51	193
$B_d$	001	71	14	-44	46	287
$M_d$	101	79	63	-31	70	333
$N_d$	000	69	0	0	0	0
$W_d$	111	95	0	0	0	0



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

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

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

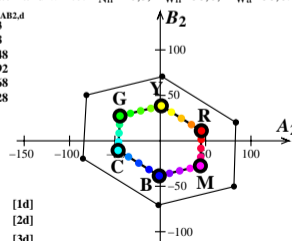
$$h_{AB} = \text{atan} [B / A] \quad [4b]$$

CEZ71-6A BEE41-4N

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

Tristimulus values of black and white:  $Y_{Nn}=40,3$ ,  $Y_{Wn}=88,6$ ,  $Y_{Wa}=88,6$ .

	$rgb^*_d$	$L^*_d$	$A_{2,d}$	$B_{2,d}$	$C_{AB2,d}$	$h_{AB2,d}$
$R_d$	100	77	45	11	46	13
$Y_d$	110	94	1	38	38	88
$G_d$	010	88	-44	27	52	148
$C_d$	011	90	-46	-10	47	192
$B_d$	001	71	-1	-38	38	268
$M_d$	101	79	44	-27	52	328
$N_d$	000	69	0	0	0	0
$W_d$	111	95	0	0	0	0



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

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

$$a_{20} = 1, b_{20} = -0,4 \quad [3d]$$

$$x_c = 0,110, B_c = 0,800 \quad [4d]$$

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y$$

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

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

CEZ71-8A BEE41-8N