

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

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

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

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

$$b_2 = b_{20} [z / y]$$

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

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

$$A_2 = 2,5 (a_2 - a_{2,n}) Y \quad [1d]$$

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

$$C_{AB2} = [A_2^2 + B_2^2]^{0,5} \quad [3d]$$

$$h_{AB2} = \text{atan} [B_2 / A_2] \quad [4d]$$

