

Basic television colour or mixture colour for D65 CIE data for $Y_W=100$	chromaticity		tristimulus values ($Y_d=100,0$ for white D65)			Standard CIELAB data $L^*a^*b^*C^*_{ab}h^*_{ab}$ ($L^*_d=100,0$ for white; $L^*_d=0,0$ for black)					Standard data $Y_d B_2 C_{AB2} h_{AB2}$ ($Y_d=100,0$ for white; $Y_d=0,0$ for black)				
	x_d	y_d	X_d	Y_d	Z_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$	Y_d	A_{2d}	B_{2d}	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours: television colours according to ITU-R BT.709.3 and sRGB display according to IEC 61966-2-1</i>															
C_d cyan (cyan blue)	0,224	0,328	53,81	78,74	106,98	91,11	-48,08	-14,13	50,11	199	78,74	-52,62	-16,98	55,30	197
M_d magenta (magenta red)	0,320	0,154	59,28	28,48	96,99	60,31	98,22	-60,84	115,54	324	28,48	53,52	-52,78	75,17	315
Y_d yellow	0,419	0,505	76,99	92,78	13,85	97,13	-21,57	94,48	96,91	110	92,78	-0,92	69,75	69,75	90
<i>three additive basic colours: television colours according to ITU-R BT.709.3 and sRGB display according to IEC 61966-2-1</i>															
R_d Red (orange red)	0,640	0,330	41,23	21,26	1,93	53,23	80,07	67,19	104,53	19	21,26	52,61	16,97	55,28	17
G_d Green (leaf green)	0,300	0,600	35,76	71,52	11,91	87,73	-86,18	83,18	119,78	144	71,52	-53,54	52,77	75,17	135
B_d Blue (violet blue)	0,150	0,060	18,05	7,22	95,06	32,30	79,19	-107,86	133,81	290	7,22	0,91	-69,76	69,76	270
<i>achromatic colours and equations:</i> $a_{20}=1,0; b_{20}=-0,4; x_c=0,110; B_c=0,8; A_{20}=2,5(a_{20}-a_{20})Y_d; B_{20}=2,5B_c(b_{20}-b_{20})Y_d; C_{AB2,d}=[A_{2d}^2+B_{2d}^2]^{1/2}; h_{AB2,d}=\text{atan}[B_{2d}/A_{2d}]$ $a_d=x_W/y_W; b_d=-0,4[z_W/y_W]; a_d=x_d/y_d; b_d=-0,4[z_d/y_d]; z_d=1-x_d-y_d$ compare CIE 230:2019															
W_0 (white monitor, 100%)	0,312	0,329	95,05	100,00	108,90	100,00	0,00	0,00	0,00	0	100,00	0,00	0,00	0,00	0
W_1 (white monitor, 88,6%)	0,312	0,329	84,21	88,60	96,48	95,40	0,00	0,00	0,00	0	88,60	0,00	0,00	0,00	0
N_1 (black monitor, 2,5%)	0,312	0,329	2,37	2,50	2,72	18,00	0,00	0,00	0,00	0	2,50	0,00	0,00	0,00	0
N_0 (black monitor, 0,00%)	0,312	0,329	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	0

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	x_d	y_d	X_d	Y_d	Z_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$	Y_d	A_{2d}	B_{2d}	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours: television colours according to ITU-R BT.2020-2 and Wide Colour Gamut WCG display</i>															
C_d cyan (cyan blue)	0,146	0,344	31,34	73,72	108,90	88,79	-106,24	-19,32	107,98	194	73,72	-94,03	-22,88	96,78	193
M_d magenta (magenta red)	0,368	0,147	80,58	32,20	106,09	63,50	130,51	-61,18	144,14	333	32,20	91,66	-56,82	107,85	328
Y_d yellow	0,446	0,537	78,15	94,06	2,80	97,66	-21,48	136,88	138,56	107	94,06	2,36	79,71	79,74	88
<i>three additive basic colours: television colours according to ITU-R BT.2020-2 and Wide Colour Gamut WCG display</i>															
R_d Red (orange red)	0,708	0,292	63,69	26,26	0,00	58,29	117,31	100,50	154,48	14	26,26	94,03	22,88	96,78	13
G_d Green (leaf green)	0,170	0,797	14,46	67,79	2,80	85,90	-172,32	116,61	208,07	153	67,79	-91,67	56,82	107,85	148
B_d Blue (violet blue)	0,131	0,046	16,88	5,93	106,09	29,23	86,10	-120,27	147,92	287	5,93	-2,36	-79,70	79,74	268
<i>achromatic colours and equations:</i> $a_{20}=1,0; b_{20}=-0,4; x_c=0,110; B_c=0,8; A_{20}=2,5(a_{20}-a_{20})Y_d; B_{20}=2,5B_c(b_{20}-b_{20})Y_d; C_{AB2,d}=[A_{2d}^2+B_{2d}^2]^{1/2}; h_{AB2,d}=\text{atan}[B_{2d}/A_{2d}]$ $a_d=x_W/y_W; b_d=-0,4[z_W/y_W]; a_d=x_d/y_d; b_d=-0,4[z_d/y_d]; z_d=1-x_d-y_d$ compare CIE 230:2019															
W_0 (white monitor, 100%)	0,312	0,329	95,05	100,00	108,90	100,00	0,00	0,00	0,00	0	100,00	0,00	0,00	0,00	0
W_1 (white monitor, 88,6%)	0,312	0,329	84,21	88,60	96,48	95,40	0,00	0,00	0,00	0	88,60	0,00	0,00	0,00	0
N_1 (black monitor, 2,5%)	0,312	0,329	2,37	2,50	2,72	18,00	0,00	0,00	0,00	0	2,50	0,00	0,00	0,00	0
N_0 (black monitor, 0,00%)	0,312	0,329	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	0

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