

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 $LabC^*_{ab}h_{ab}$ ($L^*_d=100,0$ for white; $L^*_d=0,0$ for black)					Standard YABCh data $YABC_{AB}h_{AB}$ ($Y_d=100,0$ 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_d	B_d	$C_{AB,d}$	$h_{AB,d}$
three additive mixture colours: television colours according to ITU-R BT.709.3 and sRGB display according to IEC 61966-2-1															
C_d cyan (cyan blue)	0,224	0,328	53,81	78,74	106,98	91,11	-48,08	-14,13	50,11	196	78,74	-22,12	-7,79	23,46	199
M_d magenta (magenta red)	0,320	0,154	59,28	28,48	96,99	60,31	98,22	-60,84	115,54	328	28,48	33,88	-24,23	41,66	324
Y_d yellow	0,419	0,505	76,99	92,78	13,85	97,13	-21,57	94,48	96,91	102	92,78	-11,77	32,02	34,12	110
three additive basic colours: television colours according to ITU-R BT.709.3 and sRGB display according to IEC 61966-2-1															
R_d Red (orange red)	0,640	0,330	41,23	21,26	1,93	53,23	80,07	67,19	104,53	40	21,26	22,11	7,79	23,45	19
G_d Green (leaf green)	0,300	0,600	35,76	71,52	11,91	87,73	-86,18	83,18	119,78	136	71,52	-33,89	24,22	41,66	144
B_d Blue (violet blue)	0,150	0,060	18,05	7,22	95,06	32,30	79,19	-107,86	133,81	306	7,22	11,77	-32,02	34,12	290
$X_0 = X_d / 0,9505$; $Y_0 = Y_d$; $Z_0 = Z_d / 1,0890$; $A_0 = X_0 - Y_0$; $B_0 = 0,4 [Y_0 - Z_0]$; $C_{AB,0} = [A_0^2 + B_0^2]^{1/2}$; $h_{AB,0} = \text{atan}[B_0 / A_0]$ $a_0 = x_{w0}/y_{w0}$; $b_0 = -0,4[z_{w0}/y_{w0}]$; $a_d = x_d/y_d$; $b_d = -0,4[z_d/y_d]$; $A_d = [a_d - a_0]Y_d$; $B_d = [b_d - b_0]Y_d$; compare CIE 230:2019															
achromatic colours and equations:															
or															
$W0$ (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
$W1$ (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
$N1$ (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
$N0$ (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_d	B_d	$C_{AB,d}$	$h_{AB,d}$	
three additive mixture colours: television colours according to ITU-R BT.2020-2 and Wide Colour Gamut WCG display																
C _d cyan (cyan blue)	0,146	0,344	31,34	73,72	108,90	88,79	-106,24	-19,32	107,98	190	73,72	-40,74	-10,50	42,08	194	
M _d magenta (magenta red)	0,368	0,147	80,58	32,20	106,09	63,50	130,51	-61,18	144,14	334	32,20	52,57	-26,08	58,69	333	
Y _d yellow	0,446	0,537	78,15	94,06	2,80	97,66	-21,48	136,88	138,56	98	94,06	-11,84	36,59	38,46	107	
three additive basic colours: television colours according to ITU-R BT.2020-2 and Wide Colour Gamut WCG display																
R _d Red (orange red)	0,708	0,292	63,69	26,26	0,00	58,29	117,31	100,50	154,48	40	26,26	40,74	10,50	42,07	14	
G _d Green (leaf green)	0,170	0,797	14,46	67,79	2,80	85,90	-172,32	116,61	208,07	145	67,79	-52,58	26,08	58,70	153	
B _d Blue (violet blue)	0,131	0,046	16,88	5,93	106,09	29,23	86,10	-120,27	147,92	305	5,93	11,83	-36,59	38,46	287	
$X_0 = X_d / 0,9505$; $Y_0 = Y_d$; $Z_0 = Z_d / 1,0890$; $A_0 = X_0 - Y_0$; $B_0 = 0,4 [Y_0 - Z_0]$; $C_{AB,0} = [A_0^2 + B_0^2]^{1/2}$; $h_{AB,0} = \text{atan}[B_0 / A_0]$ $a_0 = x_{w0}/y_{w0}$; $b_0 = -0,4[z_{w0}/y_{w0}]$; $a_d = x_d/y_d$; $b_d = -0,4[z_d/y_d]$; $A_d = [a_d - a_0]Y_d$; $B_d = [b_d - b_0]Y_d$; compare CIE 230:2019																
achromatic colours and equations: or																
W0 (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	
W1 (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	
N1 (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	
N0 (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	