

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)					TUBLAB <sub>2</sub> data $YA_2B_2C_{AB2}h_{AB2}$ ( $Y_d=100,0$ for white; $Y_d=0,0$ for black, $B_c=0,8$ )				
	$x_d$	$y_d$	$X_d$	$Y_d$	$Z_d$	$L^*_d$	$a^*_d$	$b^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$Y_d$	$A_{2d}$	$B_{2d}$	$C_{AB2,d}$	$h_{AB2,d}$
<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>	$a_{20} = 1,0; b_{20} = -0,4; x_c = 0,110; B_c = 0,8; A_{2d}=2,5[a_{2d}-a_{2n}]Y_d; B_{2d}=2,5B_c[b_{2d}-b_{2n}]Y_d;$ $a_n=(x_w-x_c)/y_w; b_n=-0,4[z_w/y_w]; a_d=(x_d-x_c)/y_d; b_d=-0,4[z_d/y_d]; z_d = 1 - x_d - y_d$										$C_{AB2,d} = [A_{2d}^2 + B_{2d}^2]^{1/2}; h_{AB2,d} = \text{atan}[B_{2d} / A_{2d}]$ compare CIE 230:2019				
$W0$ (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
$NI$ (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
$NO$ (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