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TUB registration: 20230801-eec1/eec110np.pdf / .ps
 application for evaluation and measurement of display or print output
 TUB material: code=rh4ta

Basic television colour or mixture colour for D65 CIE data for White $Y_W=100$	chromaticity		tristimulus values ($Y_d=100$ for White D65)		
	x_d	y_d	X_d	Y_d	Z_d
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
C_d Cyan 100 (rgb=rgb*=0 1 1)	0,224	0,328	53,81	78,74	106,98
M_d Magenta 100 (rgb=rgb*=1 0 1)	0,320	0,154	59,28	28,48	96,99
Y_d Yellow 100 (rgb=rgb*=1 1 0)	0,419	0,505	76,99	92,78	13,85
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_d Red 100 (rgb=rgb*=1 0 0)	0,640	0,330	41,23	21,26	1,93
G_d Green 100 (rgb=rgb*=0 1 0)	0,300	0,600	35,76	71,52	11,91
B_d Blue 100 (rgb=rgb*=0 0 1)	0,150	0,060	18,05	7,22	95,06
<i>achromatic colours with different normalization:</i>					
W₀ White 100 (rgb=rgb*=1 1 1)	0,312	0,329	95,05	100,00	108,90
W₁ White 90 (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
N₁ Black 2,5 (rgb=rgb*=0 0 0)	0,312	0,329	2,37	2,50	2,72
N₀ Black 0 (rgb=rgb*=0 0 0)	0,312	0,329	0,00	0,00	0,00

eec10-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=100$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_d=100$ for white; $L^*_d=0,0$ for black)				
	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
C_d Cyan 100 (rgb=rgb*=0 1 1)	91,11	-48,08	-14,13	50,11	199
M_d Magenta 100 (rgb=rgb*=1 0 1)	60,31	98,22	-60,84	115,54	324
Y_d Yellow 100 (rgb=rgb*=1 1 0)	97,13	-21,57	94,48	96,91	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_d Red 100 (rgb=rgb*=1 0 0)	53,23	80,07	67,19	104,53	19
G_d Green 100 (rgb=rgb*=0 1 0)	87,73	-86,18	83,18	119,78	144
B_d Blue 100 (rgb=rgb*=0 0 1)	32,30	79,19	-107,86	133,81	290
<i>achromatic colours with different normalization:</i>					
W₀ White 100 (rgb=rgb*=1 1 1)	100,00	0,00	0,00	0,00	0
W₁ White 90 (rgb=rgb*=1 1 1)	95,40	0,00	0,00	0,00	0
N₁ Black 2,5 (rgb=rgb*=0 0 0)	18,00	0,00	0,00	0,00	0
N₀ Black 0 (rgb=rgb*=0 0 0)	0,00	0,00	0,00	0,00	0

eec11-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=100$	chromaticity		tristimulus values ($Y_d=100$ for White D65)		
	x_d	y_d	X_d	Y_d	Z_d
<i>three additive mixture colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
C_d Cyan 100 (rgb=rgb*=0 1 1)	0,146	0,344	31,34	73,72	108,90
M_d Magenta 100 (rgb=rgb*=1 0 1)	0,368	0,147	80,58	32,20	106,09
Y_d Yellow 100 (rgb=rgb*=1 1 0)	0,446	0,537	78,15	94,06	2,80
<i>three additive basic colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
R_d Red 100 (rgb=rgb*=1 0 0)	0,708	0,292	63,69	26,26	0,00
G_d Green 100 (rgb=rgb*=0 1 0)	0,170	0,797	14,46	67,79	2,80
B_d Blue 100 (rgb=rgb*=0 0 1)	0,131	0,046	16,88	5,93	106,09
<i>achromatic colours with different normalization:</i>					
W₀ White 100 (rgb=rgb*=1 1 1)	0,312	0,329	95,05	100,00	108,90
W₁ White 90 (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
N₁ Black 2,5 (rgb=rgb*=0 0 0)	0,312	0,329	2,37	2,50	2,72
N₀ Black 0 (rgb=rgb*=0 0 0)	0,312	0,329	0,00	0,00	0,00

eec10-7n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=100$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_d=100$ for white; $L^*_d=0,0$ for black)				
	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
<i>three additive mixture colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
C_d Cyan 100 (rgb=rgb*=0 1 1)	88,79	-106,24	-19,32	107,98	194
M_d Magenta 100 (rgb=rgb*=1 0 1)	63,50	130,51	-61,18	144,14	333
Y_d Yellow 100 (rgb=rgb*=1 1 0)	97,66	-21,48	136,88	138,56	107
<i>three additive basic colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
R_d Red 100 (rgb=rgb*=1 0 0)	58,29	117,31	100,50	154,48	14
G_d Green 100 (rgb=rgb*=0 1 0)	85,90	-172,32	116,61	208,07	153
B_d Blue 100 (rgb=rgb*=0 0 1)	29,23	86,10	-120,27	147,92	287
<i>achromatic colours with different normalization:</i>					
W₀ White 100 (rgb=rgb*=1 1 1)	100,00	0,00	0,00	0,00	0
W₁ White 90 (rgb=rgb*=1 1 1)	95,40	0,00	0,00	0,00	0
N₁ Black 2,5 (rgb=rgb*=0 0 0)	18,00	0,00	0,00	0,00	0
N₀ Black 0 (rgb=rgb*=0 0 0)	0,00	0,00	0,00	0,00	0

eec11-7n