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TUB registration: 20230801-eec3/eec310np.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 $Y_W=450$	chromaticity		tristimulus values ($Y_d=450$ 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 450 (rgb=rgb*=0 1 1)	0,224	0,328	242,14	354,33	481,42
M_d Magenta 450 (rgb=rgb*=1 0 1)	0,320	0,154	266,76	128,16	436,48
Y_d Yellow 450 (rgb=rgb*=1 1 0)	0,419	0,505	346,46	417,51	62,33
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_d Red 450 (rgb=rgb*=1 0 0)	0,640	0,330	185,54	95,67	8,69
G_d Green 450 (rgb=rgb*=0 1 0)	0,300	0,600	160,92	321,84	53,63
B_d Blue 450 (rgb=rgb*=0 0 1)	0,150	0,060	81,22	32,48	427,78
<i>achromatic colours with different normalization:</i>					
W₀ White 450 (rgb=rgb*=1 1 1)	0,312	0,329	427,72	450,00	490,05
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

eec30-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=450$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_d=450$ for white; $L^*_d=18,0$ 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 450 (rgb=rgb*=0 1 1)	160,84	-79,38	-23,33	82,74	199
M_d Magenta 450 (rgb=rgb*=1 0 1)	110,00	162,17	-100,45	190,76	324
Y_d Yellow 450 (rgb=rgb*=1 1 0)	170,78	-35,62	155,98	160,00	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_d Red 450 (rgb=rgb*=1 0 0)	98,30	132,20	110,94	172,58	19
G_d Green 450 (rgb=rgb*=0 1 0)	155,26	-142,29	137,33	197,76	144
B_d Blue 450 (rgb=rgb*=0 0 1)	63,74	130,74	-178,07	220,92	290
<i>achromatic colours with different normalization:</i>					
W₀ White 450 (rgb=rgb*=1 1 1)	175,51	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

eec31-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=450$	chromaticity		tristimulus values ($Y_d=450$ 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 450 (rgb=rgb*=0 1 1)	0,146	0,344	141,07	331,78	490,06
M_d Magenta 450 (rgb=rgb*=1 0 1)	0,368	0,147	362,62	144,89	477,42
Y_d Yellow 450 (rgb=rgb*=1 1 0)	0,446	0,537	351,70	423,31	12,63
<i>three additive basic colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
R_d Red 450 (rgb=rgb*=1 0 0)	0,708	0,292	286,63	118,21	0,00
G_d Green 450 (rgb=rgb*=0 1 0)	0,170	0,797	65,07	305,09	12,63
B_d Blue 450 (rgb=rgb*=0 0 1)	0,131	0,046	75,99	26,68	477,42
<i>achromatic colours with different normalization:</i>					
W₀ White 450 (rgb=rgb*=1 1 1)	0,312	0,329	427,72	450,00	490,05
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

eec30-7n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=450$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_d=450$ for white; $L^*_d=18,0$ 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 450 (rgb=rgb*=0 1 1)	157,01	-175,40	-31,89	178,28	194
M_d Magenta 450 (rgb=rgb*=1 0 1)	115,26	215,48	-101,01	237,98	333
Y_d Yellow 450 (rgb=rgb*=1 1 0)	171,64	-35,47	225,99	228,75	107
<i>three additive basic colours of ITU-R BT.2020-2 & ISO 22028-5: Wide Colour Gamut</i>					
R_d Red 450 (rgb=rgb*=1 0 0)	106,65	193,68	183,88	267,07	14
G_d Green 450 (rgb=rgb*=0 1 0)	152,24	-284,50	192,53	343,52	153
B_d Blue 450 (rgb=rgb*=0 0 1)	58,68	142,16	-198,57	244,21	287
<i>achromatic colours with different normalization:</i>					
W₀ White 450 (rgb=rgb*=1 1 1)	175,51	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

eec31-7n