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TUB registration: 20230801-eec2/eec210np.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 $Y_W=90$	chromaticity		tristimulus values ( $Y_d=90$ 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>					
<b>C<sub>d</sub> Cyan 90</b> (rgb=rgb*=0 1 1)	0,224	0,328	48,42	70,86	96,28
<b>M<sub>d</sub> Magenta 90</b> (rgb=rgb*=1 0 1)	0,320	0,154	53,35	25,63	87,29
<b>Y<sub>d</sub> Yellow 90</b> (rgb=rgb*=1 1 0)	0,419	0,505	69,29	83,50	12,46
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
<b>R<sub>d</sub> Red 90</b> (rgb=rgb*=1 0 0)	0,640	0,330	37,10	19,13	1,73
<b>G<sub>d</sub> Green 90</b> (rgb=rgb*=0 1 0)	0,300	0,600	32,18	64,36	10,72
<b>B<sub>d</sub> Blue 90</b> (rgb=rgb*=0 0 1)	0,150	0,060	16,24	6,49	85,55
<i>achromatic colours with different normalization:</i>					
<b>W<sub>0</sub> White 90</b> (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
<b>W<sub>1</sub> White 90</b> (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
<b>N<sub>1</sub> Black 2,5</b> (rgb=rgb*=0 0 0)	0,312	0,329	2,37	2,50	2,72
<b>N<sub>0</sub> Black 0</b> (rgb=rgb*=0 0 0)	0,312	0,329	0,00	0,00	0,00

eec20-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=90$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ( $L^*_d=90$ 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>					
<b>C<sub>d</sub> Cyan 90</b> (rgb=rgb*=0 1 1)	87,41	-46,42	-13,64	48,38	199
<b>M<sub>d</sub> Magenta 90</b> (rgb=rgb*=1 0 1)	57,68	94,83	-58,74	111,55	324
<b>Y<sub>d</sub> Yellow 90</b> (rgb=rgb*=1 1 0)	93,23	-20,83	91,22	93,56	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
<b>R<sub>d</sub> Red 90</b> (rgb=rgb*=1 0 0)	50,84	77,31	64,87	100,93	19
<b>G<sub>d</sub> Green 90</b> (rgb=rgb*=0 1 0)	84,15	-83,21	80,31	115,65	144
<b>B<sub>d</sub> Blue 90</b> (rgb=rgb*=0 0 1)	30,63	76,46	-104,14	129,19	290
<i>achromatic colours with different normalization:</i>					
<b>W<sub>0</sub> White 90</b> (rgb=rgb*=1 1 1)	95,99	0,00	0,00	0,00	0
<b>W<sub>1</sub> White 90</b> (rgb=rgb*=1 1 1)	95,40	0,00	0,00	0,00	0
<b>N<sub>1</sub> Black 2,5</b> (rgb=rgb*=0 0 0)	18,00	0,00	0,00	0,00	0
<b>N<sub>0</sub> Black 0</b> (rgb=rgb*=0 0 0)	0,00	0,00	0,00	0,00	0

eec21-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=90$	chromaticity		tristimulus values ( $Y_d=90$ for White D65)		
	$x_d$	$y_d$	$X_d$	$Y_d$	$Z_d$
<i>three additive mixture colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
<b>C<sub>d</sub> Cyan 90</b> (rgb=rgb*=0 1 1)	0,146	0,344	28,21	66,35	98,01
<b>M<sub>d</sub> Magenta 90</b> (rgb=rgb*=1 0 1)	0,368	0,147	72,52	28,97	95,48
<b>Y<sub>d</sub> Yellow 90</b> (rgb=rgb*=1 1 0)	0,446	0,537	70,34	84,66	2,52
<i>three additive basic colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
<b>R<sub>d</sub> Red 90</b> (rgb=rgb*=1 0 0)	0,708	0,292	57,32	23,64	0,00
<b>G<sub>d</sub> Green 90</b> (rgb=rgb*=0 1 0)	0,170	0,797	13,01	61,01	2,52
<b>B<sub>d</sub> Blue 90</b> (rgb=rgb*=0 0 1)	0,131	0,046	15,19	5,33	95,48
<i>achromatic colours with different normalization:</i>					
<b>W<sub>0</sub> White 90</b> (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
<b>W<sub>1</sub> White 90</b> (rgb=rgb*=1 1 1)	0,312	0,329	85,54	90,00	98,01
<b>N<sub>1</sub> Black 2,5</b> (rgb=rgb*=0 0 0)	0,312	0,329	2,37	2,50	2,72
<b>N<sub>0</sub> Black 0</b> (rgb=rgb*=0 0 0)	0,312	0,329	0,00	0,00	0,00

eec20-7n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=90$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ( $L^*_d=90$ 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 &amp; ISO 22028-5: Wide Colour Gamut</i>					
<b>C<sub>d</sub> Cyan 90</b> (rgb=rgb*=0 1 1)	85,17	-102,57	-18,65	104,25	194
<b>M<sub>d</sub> Magenta 90</b> (rgb=rgb*=1 0 1)	60,76	126,01	-59,07	139,17	333
<b>Y<sub>d</sub> Yellow 90</b> (rgb=rgb*=1 1 0)	93,73	-20,74	132,16	133,77	107
<i>three additive basic colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
<b>R<sub>d</sub> Red 90</b> (rgb=rgb*=1 0 0)	55,72	113,27	96,08	148,53	14
<b>G<sub>d</sub> Green 90</b> (rgb=rgb*=0 1 0)	82,38	-166,37	112,59	200,89	153
<b>B<sub>d</sub> Blue 90</b> (rgb=rgb*=0 0 1)	27,67	83,13	-116,12	142,81	287
<i>achromatic colours with different normalization:</i>					
<b>W<sub>0</sub> White 90</b> (rgb=rgb*=1 1 1)	95,99	0,00	0,00	0,00	0
<b>W<sub>1</sub> White 90</b> (rgb=rgb*=1 1 1)	95,40	0,00	0,00	0,00	0
<b>N<sub>1</sub> Black 2,5</b> (rgb=rgb*=0 0 0)	18,00	0,00	0,00	0,00	0
<b>N<sub>0</sub> Black 0</b> (rgb=rgb*=0 0 0)	0,00	0,00	0,00	0,00	0

eec21-7n