

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fens.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20230801-fen3/fen310np.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 $Y_{D0}=88,6$	chromaticity		tristimulus values ($Y_{D0}=88,60$ for D65)		
	x	y	X	Y	Z
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
C_{D0} Cyan (cyan blue)	0,224	0,328	47,67	69,76	94,78
M_{D0} Magenta (magenta red)	0,320	0,154	52,52	25,23	85,93
Y_{D0} Yellow	0,419	0,505	68,21	82,20	12,27
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{D0} Red (orange red)	0,640	0,330	36,53	18,83	1,71
G_{D0} Green (leaf green)	0,300	0,600	31,68	63,36	10,56
B_{D0} Blue (violet blue)	0,150	0,060	15,99	6,39	84,22
<i>achromatic colours with different normalization:</i>					
W_{P1} (white monitor, 100%)	0,312	0,329	95,05	100,00	108,90
W_{D0} (white monitor, 88,6%)	0,312	0,329	84,21	88,60	96,48
N_{d0} (black monitor, 2,5%)	0,312	0,329	2,37	2,50	2,72
N_{p1} (black monitor, 1,8%)	0,312	0,329	1,71	1,80	1,96

fen30-5n

Basic television colour or mixture colour for D65 CIE data for $Y_{D0}=88,6$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_{D0}=88,60$ for D65)				
	L^*	a^*	b^*	C^*_{ab}	h_{ab}
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
C_{D0} Cyan (cyan blue)	86,88	-46,18	-13,57	48,13	199
M_{D0} Magenta (magenta red)	57,30	94,34	-58,43	110,97	324
Y_{D0} Yellow	92,66	-20,72	90,74	93,08	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{D0} Red (orange red)	50,49	76,91	64,54	100,40	19
G_{D0} Green (leaf green)	83,63	-82,78	79,89	115,04	144
B_{D0} Blue (violet blue)	30,39	76,06	-103,59	128,52	290
<i>achromatic colours with different normalization:</i>					
W_{P1} (white monitor, 100%)	100,00	0,00	0,00	0,00	0
W_{D0} (white monitor, 88,6%)	95,41	0,00	0,00	0,00	0
N_{d0} (black monitor, 2,5%)	17,91	0,00	0,00	0,00	0
N_{p1} (black monitor, 1,8%)	14,40	0,00	0,00	0,00	0

fen31-5n

Basic television colour or mixture colour for D65 CIE data for $Y_{D0}=88,6$	chromaticity		tristimulus values ($Y_{D0}=88,60$ for D65)		
	x	y	X	Y	Z
<i>three additive mixture colours of ITU-R BT.2100-2 & ISO 22028-5 Wide Colour Gamut</i>					
C_{D0} Cyan (cyan blue)	0,146	0,344	27,77	65,32	96,48
M_{D0} Magenta (magenta red)	0,368	0,147	71,39	28,52	94,00
Y_{D0} Yellow	0,446	0,537	69,24	83,34	2,48
<i>three additive basic colours of ITU-R BT.2100-2 & ISO 22028-5 Wide Colour Gamut</i>					
R_{D0} Red (orange red)	0,708	0,292	56,43	23,27	0,00
G_{D0} Green (leaf green)	0,170	0,797	12,81	60,07	2,48
B_{D0} Blue (violet blue)	0,131	0,046	14,96	5,25	94,00
<i>achromatic colours with different normalization:</i>					
W_{P1} (white monitor, 100%)	0,312	0,329	95,05	100,00	108,90
W_{D0} (white monitor, 88,6%)	0,312	0,329	84,21	88,60	96,48
N_{d0} (black monitor, 2,5%)	0,312	0,329	2,37	2,50	2,72
N_{p1} (black monitor, 1,8%)	0,312	0,329	1,71	1,80	1,96

fen30-7n

Basic television colour or mixture colour for D65 CIE data for $Y_{D0}=88,6$	Standard CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_{D0}=88,60$ for D65)				
	L^*	a^*	b^*	C^*_{ab}	h_{ab}
<i>three additive mixture colours of ITU-R BT.2100-2 & ISO 22028-5 Wide Colour Gamut</i>					
C_{D0} Cyan (cyan blue)	84,65	-102,04	-18,55	103,71	194
M_{D0} Magenta (magenta red)	60,36	125,35	-58,76	138,44	333
Y_{D0} Yellow	93,16	-20,63	131,47	133,08	107
<i>three additive basic colours of ITU-R BT.2100-2 & ISO 22028-5 Wide Colour Gamut</i>					
R_{D0} Red (orange red)	55,35	112,67	95,43	147,66	14
G_{D0} Green (leaf green)	81,87	-165,51	112,00	199,84	153
B_{D0} Blue (violet blue)	27,44	82,70	-115,52	142,07	287
<i>achromatic colours with different normalization:</i>					
W_{P1} (white monitor, 100%)	100,00	0,00	0,00	0,00	0
W_{D0} (white monitor, 88,6%)	95,41	0,00	0,00	0,00	0
N_{d0} (black monitor, 2,5%)	17,91	0,00	0,00	0,00	0
N_{p1} (black monitor, 1,8%)	14,40	0,00	0,00	0,00	0

fen31-7n