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 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20240301-fem8/fem810na.txt / .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: $Y_{WD0}=90$	chromaticity		tristimulus values ($Y_{d,D0}=90$ 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>					
C_{D0} Cyan 90 ($rgb=rgb^*=0\ 1\ 1$)	0,224	0,328	53,81	78,74	106,98
M_{D0} Magenta 90 ($rgb=rgb^*=1\ 0\ 1$)	0,320	0,154	59,28	28,48	96,99
Y_{D0} Yellow 90 ($rgb=rgb^*=1\ 1\ 0$)	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_{D0} Red 90 ($rgb=rgb^*=1\ 0\ 0$)	0,640	0,330	41,23	21,26	1,93
G_{D0} Green 90 ($rgb=rgb^*=0\ 1\ 0$)	0,300	0,600	35,76	71,52	11,91
B_{D0} Blue 90 ($rgb=rgb^*=0\ 0\ 1$)	0,150	0,060	18,05	7,22	95,06
<i>achromatic colours with different normalization:</i>					
W_{D0} White 90 ($rgb=rgb^*=1\ 1\ 1$)	0,312	0,329	85,54	90,00	98,01
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	0,312	0,329	2,13	2,25	2,45
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	0,312	0,329	1,53	1,61	1,76

fem80-3n

Basic television colour or mixture colour for D65 CIE data: $Y_{WP1}=180$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_{d,P1}=180$ for White D65)				
	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_{P1} Cyan 180 ($rgb^*=0\ p\ p$)	118,95	-60,58	-17,81	63,14	199
M_{P1} Magenta 180 ($rgb^*=p\ 0\ p$)	80,15	123,76	-76,65	145,57	324
Y_{P1} Yellow 180 ($rgb^*=p\ p\ 0$)	126,54	-27,18	119,03	122,10	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{P1} Red 180 ($rgb^*=p\ 0\ 0$)	71,22	100,89	84,66	131,71	19
G_{P1} Green 180 ($rgb^*=0\ p\ 0$)	114,70	-108,59	104,80	150,91	144
B_{P1} Blue 180 ($rgb^*=0\ 0\ p$)	44,85	99,77	-135,89	168,59	290
<i>achromatic colours with different normalization:</i>					
W_{P1} White 180 ($rgb^*=p\ p\ p$) $p=1,25$	125,10	0,00	0,00	0,00	0,00
W_{D0} White 90 ($rgb=rgb^*=1\ 1\ 1$)	95,99	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	16,74	-0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	13,35	0,00	0,00	0,00	0,00

fem81-3n

Basic television colour or mixture colour for D65 CIE data: $Y_{WD0}=90$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,D0}=90$ for White D65)				
	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_{D0} Cyan 90 ($rgb=rgb^*=0\ 1\ 1$)	91,11	-48,08	-14,13	50,11	199
M_{D0} Magenta 90 ($rgb=rgb^*=1\ 0\ 1$)	60,31	98,22	-60,84	115,54	324
Y_{D0} Yellow 90 ($rgb=rgb^*=1\ 1\ 0$)	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_{D0} Red 90 ($rgb=rgb^*=1\ 0\ 0$)	53,23	80,07	67,19	104,53	19
G_{D0} Green 90 ($rgb=rgb^*=0\ 1\ 0$)	87,73	-86,18	83,18	119,78	144
B_{D0} Blue 90 ($rgb=rgb^*=0\ 0\ 1$)	32,30	79,19	-107,86	133,81	290
<i>achromatic colours with different normalization:</i>					
W_{P1} White 180 ($rgb^*=p\ p\ p$) $p=1,25$	125,10	0,00	0,00	0,00	0,00
W_{D0} White 90 ($rgb=rgb^*=1\ 1\ 1$)	95,99	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	16,74	-0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	13,35	0,00	0,00	0,00	0,00

fem80-7n

Basic television colour or mixture colour for D65 CIE data: $Y_{WP2}=360$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,P2}=360$ for White D65)				
	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_{P2} Cyan 360 ($rgb^*=0\ p\ p$)	154,03	-76,32	-22,43	79,55	199
M_{P2} Magenta 360 ($rgb^*=p\ 0\ p$)	105,15	155,92	-96,58	183,41	324
Y_{P2} Yellow 360 ($rgb^*=p\ p\ 0$)	163,59	-34,25	149,97	153,84	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{P2} Red 360 ($rgb^*=p\ 0\ 0$)	93,90	127,11	106,67	165,94	19
G_{P2} Green 360 ($rgb^*=0\ p\ 0$)	148,67	-136,81	132,04	190,14	144
B_{P2} Blue 360 ($rgb^*=0\ 0\ p$)	60,67	125,71	-171,22	212,41	290
<i>achromatic colours with different normalization:</i>					
W_{P2} White 360 ($rgb^*=p\ p\ p$) $p=1,61$	161,78	0,00	0,00	0,00	0,00
W_{D0} White 90 ($rgb=rgb^*=1\ 1\ 1$)	95,99	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	16,74	-0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	13,35	0,00	0,00	0,00	0,00

fem81-7n