

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

TUB registration: 20240301-fem9/fem910na.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 for White $Y_W=200$	chromaticity		tristimulus values ($Y_d=200$ 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 200 ($rgb^*=0\ p\ p$)	0,224	0,328	107,62	157,48	213,96
M_{D0} Magenta 200 ($rgb^*=p\ 0\ p$)	0,320	0,154	118,56	56,96	193,99
Y_{D0} Yellow 200 ($rgb^*=p\ p\ 0$)	0,419	0,505	153,98	185,56	27,70
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{D0} Red 200 ($rgb^*=p\ 0\ 0$)	0,640	0,330	82,46	42,52	3,86
G_{D0} Green 200 ($rgb^*=0\ p\ 0$)	0,300	0,600	71,52	143,04	23,83
B_{D0} Blue 200 ($rgb^*=0\ 0\ p$)	0,150	0,060	36,10	14,44	190,12
<i>achromatic colours with different normalization:</i>					
W_{P1} White 200 ($rgb^*=p\ p\ p$) $p=1,30$	0,312	0,329	190,10	200,00	217,80
W_{D0} White 100 ($rgb=rgb^*=1\ 1\ 1$)	0,312	0,329	95,05	100,00	108,90
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	0,312	0,329	2,37	2,50	2,72
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	0,312	0,329	1,71	1,80	1,96

fem90-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=200$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,P1}=200$ 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 200 ($rgb^*=0\ p\ p$)	118,95	-60,58	-17,81	63,14	199
M_{P1} Magenta 200 ($rgb^*=p\ 0\ p$)	80,15	123,76	-76,65	145,57	324
Y_{P1} Yellow 200 ($rgb^*=p\ p\ 0$)	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 200 ($rgb^*=p\ 0\ 0$)	71,22	100,89	84,66	131,71	19
G_{P1} Green 200 ($rgb^*=0\ p\ 0$)	114,70	-108,59	104,80	150,91	144
B_{P1} Blue 200 ($rgb^*=0\ 0\ p$)	44,85	99,77	-135,89	168,59	290
<i>achromatic colours with different normalization:</i>					
W_{P1} White 200 ($rgb^*=p\ p\ p$) $p=1,30$	130,15	0,00	0,00	0,00	0,00
W_{D0} White 100 ($rgb=rgb^*=1\ 1\ 1$)	100,00	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	17,91	0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	14,40	0,00	0,00	0,00	0,00

fem91-3n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=100$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,P1}=100$ 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 100 ($rgb=rgb^*=0\ 1\ 1$)	91,11	-48,08	-14,13	50,11	199
M_{P1} Magenta 100 ($rgb=rgb^*=1\ 0\ 1$)	60,31	98,22	-60,84	115,54	324
Y_{P1} 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_{P1} Red 100 ($rgb=rgb^*=1\ 0\ 0$)	53,23	80,07	67,19	104,53	19
G_{P1} Green 100 ($rgb=rgb^*=0\ 1\ 0$)	87,73	-86,18	83,18	119,78	144
B_{P1} Blue 100 ($rgb=rgb^*=0\ 0\ 1$)	32,30	79,19	-107,86	133,81	290
<i>achromatic colours with different normalization:</i>					
W_{P1} White 200 ($rgb^*=p\ p\ p$) $p=1,30$	130,15	0,00	0,00	0,00	0,00
W_{D0} White 100 ($rgb=rgb^*=1\ 1\ 1$)	100,00	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	17,91	0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	14,40	0,00	0,00	0,00	0,00

fem90-7n

Basic television colour or mixture colour for D65 CIE data for White $Y_W=500$	CIELAB data $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,P2}=500$ 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 500 ($rgb^*=0\ p\ p$)	167,16	-82,22	-24,17	85,70	199
M_{P2} Magenta 500 ($rgb^*=p\ 0\ p$)	114,50	167,96	-104,04	197,58	324
Y_{P2} Yellow 500 ($rgb^*=p\ p\ 0$)	177,46	-36,89	161,56	165,72	110
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
R_{P2} Red 500 ($rgb^*=p\ 0\ 0$)	102,38	136,93	114,90	178,75	19
G_{P2} Green 500 ($rgb^*=0\ p\ 0$)	161,38	-147,38	142,24	204,82	144
B_{P2} Blue 500 ($rgb^*=0\ 0\ p$)	66,59	135,41	-184,44	228,81	290
<i>achromatic colours with different normalization:</i>					
W_{P2} White 500 ($rgb^*=p\ p\ p$) $p=1,82$	182,35	0,00	0,00	0,00	0,00
W_{D0} White 100 ($rgb=rgb^*=1\ 1\ 1$)	100,00	0,00	0,00	0,00	0,00
N_{d0} Black 2,5 ($rbg=rgb^*=0\ 0\ 0$)	17,91	0,00	0,00	0,00	0,00
N_{p1} Black 1,8 ($rgb^*=q\ q\ q$) $q=-0,03$	14,40	0,00	0,00	0,00	0,00

fem91-7n