$XYZ_{W,10}$=97.28 , 99.99 , 116.14

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (\ x_{10} - x_c\ )\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$x_c = 0{,}110,\ \ B_c = 0{,}700$

$C_{AB2,10}=[A_{2,10}{}^2+B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

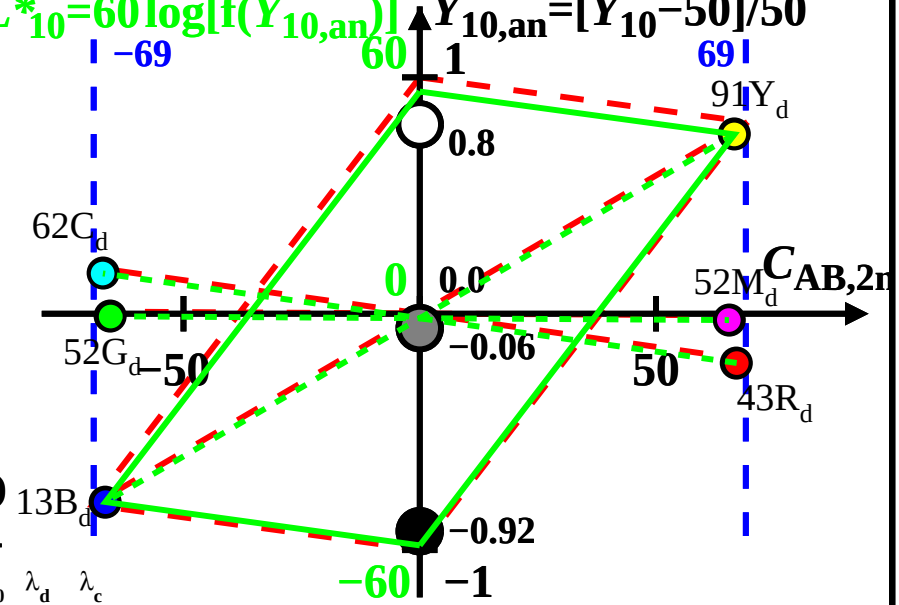
of maximum (m) $C_{AB,10}$ in

linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. C00, $Y_{W,10}$=100, $Y_{N,10}$=4

$L^*_{10}=60\log[f(Y_{10,an})]$

$Y_{10,an}=[Y_{10}-50]/50$



Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	561_775	62.57	42.58	4.76	0.5692	0.3874	593	481
Y_d	486_775	78.58	90.93	10.65	0.4361	0.5046	567	461
G_d	486_561	20.0	52.44	10.65	0.2407	0.6311	530	530c
C_d	380_561	38.7	61.52	116.14	0.1788	0.2843	481	593
B_d	380_486	22.69	13.17	110.26	0.1552	0.0901	461	567
M_d	561_486	81.27	51.65	110.26	0.3342	0.2124	530c	530
W_d	380_775	97.28	99.99	116.14	0.3103	0.319	100%	
N_d	380_775	3.89	3.99	4.64	0.3103	0.319	4%	
Z_d	380_775	17.51	18.0	20.9	0.3103	0.319	18%	

$f(Y_{10,an})=\pm[1+10\ |Y_{10,an}|^n]$

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:

Y_{10} & Name

Illuminant C00

$Y_{W,10}$=100, $Y_{N,10}$=4