$XYZ_{W,10}$=99.8 , 100.0 , 75.8

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

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

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

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

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

$x_c = 0{,}110,\ \ B_c = 1{,}100$

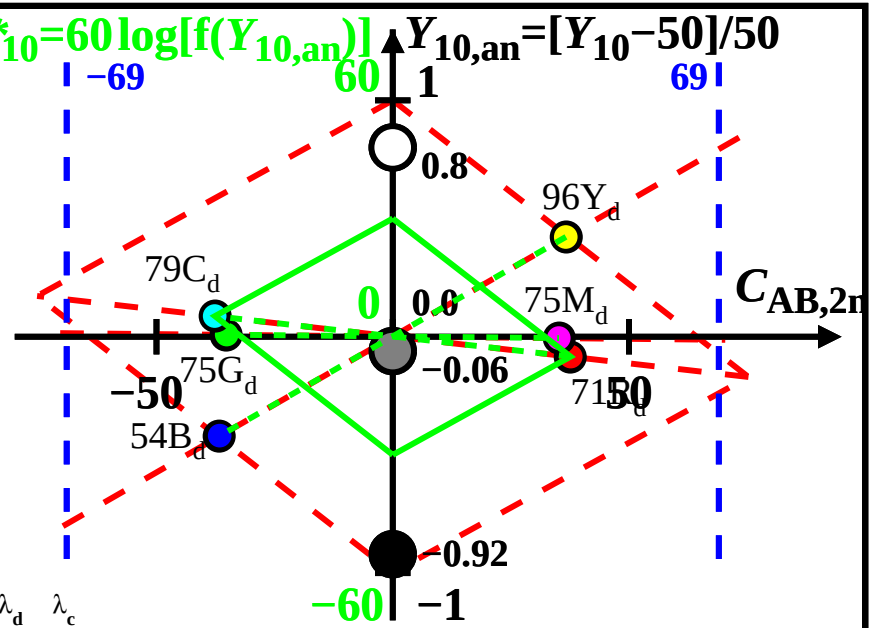
$C_{AB2,10}=[A_{2,10}{}^2+B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

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

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

Illumin. P45, $Y_{W,10}$=100, $Y_{N,10}$=50



Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	567_775	83.75	70.79	37.97	0.435	0.3677	597	485
Y_d	490_775	93.61	96.11	39.73	0.4079	0.4188	571	465
G_d	490_567	59.86	75.42	39.73	0.342	0.4309	536	536c
C_d	380_567	66.1	79.35	75.84	0.2986	0.3585	485	597
B_d	380_490	56.24	54.03	74.08	0.305	0.293	465	571
M_d	567_490	89.99	74.72	74.08	0.3768	0.3128	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	49.9	50.0	37.9	0.3621	0.3628	50%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	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 P45

$Y_{W,10}$=100, $Y_{N,10}$=50