$XYZ_{W,10}$=109.29 , 99.99 , 39.19

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

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

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

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

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

$x_c = 0{,}110,\ \ B_c = 2{,}500$

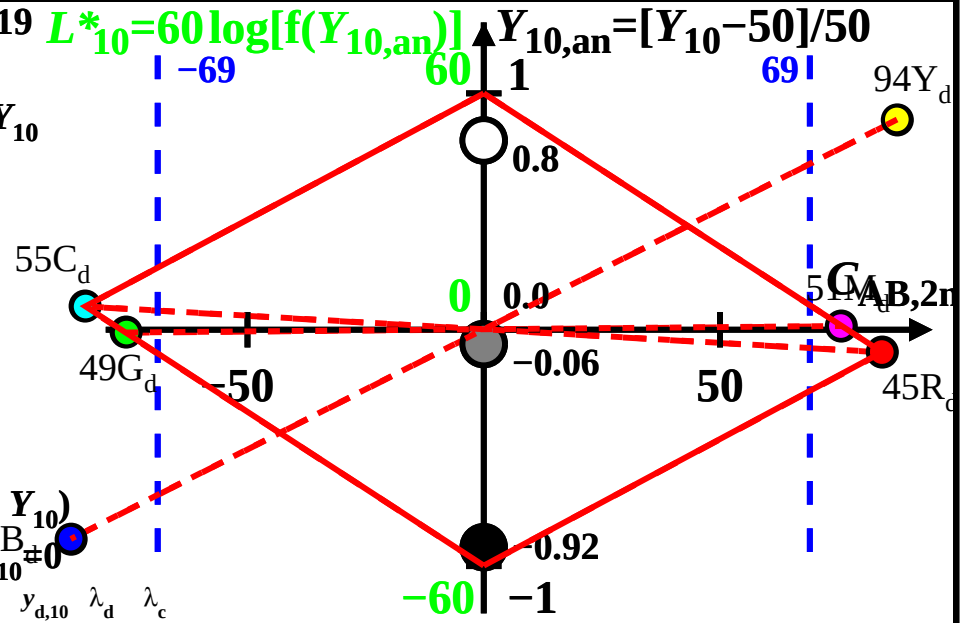
$C_{AB2,10}=[A_{2,10}{}^2+B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

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

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

Illumin. P30, $Y_{W,10}$=100, $Y_{N,10}$=0



Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	574_775	79.56	45.25	0.07	0.637	0.3623	602	491
Y_d	497_775	103.19	94.46	2.24	0.5162	0.4725	577	469
G_d	497_574	23.85	49.41	2.24	0.3159	0.6543	542	542c
C_d	380_574	29.95	54.94	39.19	0.2413	0.4427	491	602
B_d	380_497	6.31	5.73	37.03	0.1286	0.1168	469	577
M_d	574_497	85.65	50.78	37.03	0.4937	0.2927	542c	542
W_d	380_775	109.29	99.99	39.19	0.4398	0.4024	100%	
N_d	380_775	0.1	0.09	0.03	0.4396	0.4022	0%	
Z_d	380_775	19.67	17.99	7.05	0.4398	0.4024	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 P30

$Y_{W,10}$=100, $Y_{N,10}$=0