

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

$$A_{2,10} = 2,5 (a_{2,10} - a_{2,0,10}) Y_{10}$$

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

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

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

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

$$x_c = 0,110, B_c = 1,100$$

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

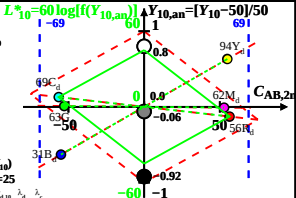
6 Ostwald colours (o)

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

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

Illumin. P45, $Y_{w,10}=100$, $Y_{s,10}=25$

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	75.67	56.13	19.02	0.5016	0.3721	597	485
Y_d	490_775	90.46	94.12	21.66	0.4386	0.4563	571	465
G_d	490_567	39.83	63.09	21.66	0.3197	0.5063	536	536c
C_d	380_567	49.2	68.98	75.82	0.2536	0.3555	485	597
B_d	380_490	34.41	30.99	73.19	0.2482	0.2236	465	571
M_d	567_490	85.03	62.03	73.19	0.386	0.2816	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	24.95	25.0	18.95	0.3621	0.3628	25%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	18%	



$$f(Y_{10,20}) = \pm [1 + 10 |Y_{10,20}|^n]$$

n increases to 1 for:

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

Parameter:

Y₁₀ & Name

Illuminant P45

$$Y_{W,10}=100, Y_{N,10}=25$$