

$$XYZ_{W,10} = 98.51, 99.99, 86.17$$

$$A_{1,10} = 2,5 (a_{1,10} - a_{1,n,10}) Y_{10}$$

$$B_{1,10} = 2,5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$$

$$a_{1,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{1,10} = b_{20} [z_{10} / y_{10}]$$

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

$$x_c = 0,110, B_c = 1,000$$

$$C_{AB1,10} = [A_{1,10}^2 + B_{1,10}^2]^{1/2}$$

6 Ostwald colours (o)

of maximum (m) $C_{AB,10}$ in
chromatic value diagram ($A_{1,10}, B_{1,10}$)

Illumin. P50, $Y_{W,10}=100, Y_{N,10}=50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	565_775	80.94	69.23	43.17	0.4186	0.358	597	484
Y_d	489_775	91.43	96.47	45.95	0.3909	0.4125	569	461
G_d	489_565	59.84	77.34	45.95	0.3267	0.4223	534	534c
C_d	380_565	66.97	80.91	86.21	0.286	0.3456	484	597
B_d	380_489	56.48	53.67	83.42	0.2917	0.2772	461	569
M_d	565_489	88.07	72.8	83.42	0.3604	0.298	534c	534
W_d	380_775	98.51	99.99	86.17	0.346	0.3512	100%	
N_d	380_775	49.25	49.99	43.08	0.346	0.3512	50%	
Z_d	380_775	17.73	17.99	15.51	0.346	0.3512	18%	

Parameter:
 Y_{10} & Name
Illuminant P50
 $Y_{W,10}=100, Y_{N,10}=50$

