

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

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

chromatic value diagram (A_{10}, B_{10})

Illumin. P30, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	574_775	86.99	58.92	9.83	0.5585	0.3782	602	491
Y_d	497_775	104.74	95.87	11.46	0.4938	0.452	577	469
G_d	497_574	45.17	62.04	11.46	0.3806	0.5227	542	542c
C_d	380_574	49.75	66.19	39.2	0.3206	0.4266	491	602
B_d	380_497	32.0	29.25	37.58	0.3238	0.2959	469	577
M_d	574_497	91.57	63.07	37.58	0.4763	0.3281	542c	542
W_d	380_775	109.29	99.99	39.19	0.4398	0.4024	100%	
N_d	380_775	27.32	24.99	9.79	0.4398	0.4024	25%	
Z_d	380_775	19.67	17.99	7.05	0.4398	0.4024	18%	

Parameter:
 Y_{10} & Name
 Illuminant P30
 $Y_{W,10} = 100, Y_{N,10} = 25$

