

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

$$A_{1,10} = 2.5 (a_{1,10} - a_{1,n,10}) Y_{10}$$

$$B_{1,10} = 2.5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$$

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

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

$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

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

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%	

