

$$XYZ_{W,10} = 102.37, 99.99, 81.25$$

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

Illumin. P00, $Y_{W,10} = 100, Y_{N,10} = 10$

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	73.2	48.59	8.2	0.563	0.3737	597	484
Y _d	489_775	90.23	93.93	12.77	0.4581	0.4769	571	461
G _d	489_567	27.36	55.43	12.77	0.2863	0.5799	533	533c
C _d	380_567	39.51	61.51	81.26	0.2167	0.3374	484	597
B _d	380_489	22.48	16.17	76.68	0.1949	0.1402	461	571
M _d	567_489	85.35	54.67	76.68	0.3938	0.2522	533c	533
W _d	380_775	102.3799	99.99	81.25	0.3609	0.3525	100%	
N _d	380_775	10.23	9.99	8.12	0.3609	0.3525	10%	
Z _d	380_775	18.42	18.0	14.62	0.3609	0.3525	18%	

Parameter:
 Y_{10} & Name
Illuminant P00
 $Y_{W,10} = 100, Y_{N,10} = 10$

