

$XYZ_{W,10} = 111.15, 99.99, 35.19$

$$A_{10} = 2,5 (a_{10} - a_{n10}) Y_{10}$$

$$B_{10} = 2,5 B_c (b_{10} - b_{n10}) Y_{10}$$

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

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

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

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

$$C_{AB10} = [A_{10}^2 + B_{10}^2]^{1/2}$$

6 Ostwald colours (o)

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

Illumin. A00,  $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	575_775	80.27	47.2	3.55	0.6126	0.3602	606	493
Y <sub>d</sub>	498_775	106.28	95.57	5.53	0.5124	0.4608	577	469
G <sub>d</sub>	498_575	37.23	58.46	5.53	0.3677	0.5775	546	546c
C <sub>d</sub>	380_575	42.11	62.9	35.2	0.3003	0.4485	493	606
B <sub>d</sub>	380_498	16.1	14.53	33.22	0.2522	0.2275	469	577
M <sub>d</sub>	575_498	85.15	51.64	33.22	0.5008	0.3037	546c	546
W <sub>d</sub>	380_775	111.15	99.99	35.19	0.4511	0.4059	100%	
N <sub>d</sub>	380_775	11.11	9.99	3.51	0.4511	0.4059	10%	
Z <sub>d</sub>	380_775	20.0	18.0	6.33	0.4511	0.4059	18%	

Parameter:  
 $Y_{10}$  & Name  
Illuminant A00  
 $Y_{W,10} = 100, Y_{N,10} = 10$

