

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

$$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$$

$$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$$

$$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{2,10} = b_{20} [z_{10} / y_{10}]$$

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

$$x_c = 0.110, B_c = 2.500$$

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

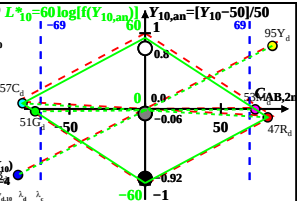
6 Ostwald colours (o)

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

linear colour space ($C_{AB,2,10}, Y_{10}$)

Illumin. P30, $Y_{W,10} = 100, Y_{N,10} = 4$

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	80.72	47.39	1.6	0.6222	0.3653	602	491
Y_d	497_775	103.44	94.68	3.68	0.5125	0.4691	577	469
G_d	497_574	27.19	51.39	3.68	0.3305	0.6246	542	542c
C_d	380_574	33.05	56.7	39.2	0.2563	0.4397	491	602
B_d	380_497	10.33	9.41	37.12	0.1817	0.1655	469	577
M_d	574_497	86.58	52.71	37.12	0.4907	0.2987	542c	542
W_d	380_775	109.29	99.99	39.19	0.4398	0.4024	100%	
N_d	380_775	4.37	3.99	1.56	0.4398	0.4024	4%	
Z_d	380_775	19.67	17.99	7.05	0.4398	0.4024	18%	



$$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$$

n increases to 1 for:

1. decreasing of the contrast C
2. adjacent compared to separate colours.

Parameter:
 Y_{10} & Name
 Illuminant P30
 $Y_{W,10} = 100, Y_{N,10} = 4$