

$$\Delta Y_{20} = [Y - 50] / 50$$

$$A_3 = 2,5 (a_3 - a_{3,n}) Y$$

$$B_2 = 2,5 B_c (b_2 - b_{2, \text{н}}) Y$$

$$a_2 = a_{20} [(x - x_c) / y]$$

$$b_2 = b_{20} [x/y]$$

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

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

$$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$$

6 Ostwald colours (o)

of maximum (m) $C_{A,n}$ in

linear colour space (C_{ABZ} , Y)

Illumin. P50, $Y_{uv}=100$, $Y_{vs}=10$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	65.8	42.56	8.77	0.5617	0.3633	601	491
Y_d	495_775	85.35	94.55	12.37	0.4439	0.4917	573	467
G_d	495_570	29.46	62.08	12.33	0.2836	0.5976	542	542c
C_d	380_570	42.24	67.54	86.47	0.2152	0.3441	491	601
B_d	380_495	22.68	15.55	82.87	0.1872	0.1284	467	573
M_d	570_495	78.57	48.02	82.91	0.375	0.2292	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	9.81	10.0	8.65	0.3447	0.3513	10%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

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

n increases to 1 for:

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

Parameter:

Y & Name

Illuminant P50

$$Y_W=100, Y_N=10$$
