

$$\uparrow Y_{an} = [Y - 50] / 50$$

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

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

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

$$b_2 \equiv b_{20} [x/y]$$

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

$$x_c = 0,110, B_c = 0,900$$

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

6 Ostwald colours (o)

of maximum (m) C_{sp} in

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

Illumin. P55, $Y_{uv}=100$, $Y_{uv}=4$

Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	569_775	65.4	42.64	3.98	0.5837	0.3806	597	490
Y_d	494_775	82.28	94.94	9.62	0.4403	0.5081	572	464
G_d	494_569	20.87	56.4	9.57	0.2403	0.6493	536	536c
C_d	380_569	36.05	61.46	95.94	0.1863	0.3176	490	597
B_d	380_494	19.17	9.15	90.3	0.1616	0.0771	464	572
M_d	569_494	80.57	47.69	90.35	0.3685	0.2181	536c	536
W_d	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N_d	380_775	3.89	4.0	3.83	0.3321	0.3407	4%	
Z_d	380_775	17.54	18.0	17.27	0.3321	0.3407	18%	

$$f(Y_{30}) = \pm [1 + 10 |Y_{30}|^n]$$

n increases to 1 for:

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

Parameter:

Y & Name

Illuminant P55
$$Y_w = 100, Y_N = 4$$
