

$XYZ_W = 97.93, 100.0, 118.95$

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 B_c (b_2 - b_{2,n}) Y$$

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

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

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

$$x_c = 0,110, B_c = 0,700$$

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

6 Ostwald colours (o)

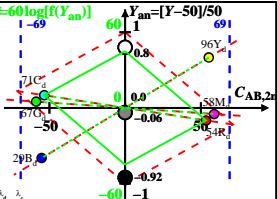
of maximum (m)  $C_{AB}$  in

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

Illumin. Q00,  $Y_W = 100, Y_N = 25$

Name	Range	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	567_775	70.27	54.26	29.89	0.455	0.3513	596	487
Y <sub>d</sub>	492_775	82.98	95.79	35.09	0.388	0.4479	570	462
G <sub>d</sub>	492_567	37.29	66.63	35.05	0.2683	0.4794	535	535c
C <sub>d</sub>	380_567	52.26	70.86	118.94	0.2159	0.2927	487	596
B <sub>d</sub>	380_492	39.55	29.32	113.74	0.2165	0.1605	462	570
M <sub>d</sub>	567_492	85.24	58.49	113.78	0.331	0.2271	535c	535
W <sub>d</sub>	380_775	97.93	100.0	118.95	0.309	0.3155	100%	
N <sub>d</sub>	380_775	24.48	25.0	29.73	0.309	0.3155	25%	
Z <sub>d</sub>	380_775	17.62	18.0	21.41	0.309	0.3155	18%	

$$L^* = 60 \log[f(Y_{an})]$$



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

$n$  increases to 1 for:

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

Parameter:

$Y$  & Name

Illuminant Q00

$Y_W = 100, Y_N = 25$