

$XYZ_W = 95.04, 100.0, 108.89$

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

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

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

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

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

$x_c = 0,110, B_c = 0,800$

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

6 Ostwald colours (o)

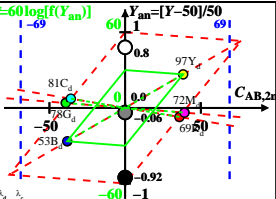
of maximum (m)  $C_{AB}$  in

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

Illumin. D65,  $Y_W = 100, Y_N = 50$

Name	Range	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	567_775	77.4	69.03	54.57	0.385	0.3434	596	489
Y <sub>d</sub>	493_775	86.13	97.18	57.92	0.357	0.4028	570	463
G <sub>d</sub>	493_567	56.35	78.24	57.9	0.2927	0.4064	535	535c
C <sub>d</sub>	380_567	65.3	81.11	108.92	0.2557	0.3176	489	596
B <sub>d</sub>	380_493	56.57	52.96	105.57	0.2629	0.2462	463	570
M <sub>d</sub>	567_493	86.35	71.9	105.59	0.3272	0.2725	535c	535
W <sub>d</sub>	380_775	95.04	100.0	108.89	0.3127	0.329	100%	
N <sub>d</sub>	380_775	47.52	50.0	54.44	0.3127	0.329	50%	
Z <sub>d</sub>	380_775	17.1	18.0	19.6	0.3127	0.329	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 D65

$Y_W = 100, Y_N = 50$