

$XYZ_W=97.45, 100.0, 95.98$

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

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

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

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

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

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

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

6 Ostwald colours (o)

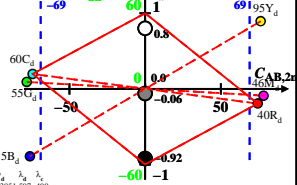
of maximum (m)  $C_{AB}$  in

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

Illumin. P55,  $Y_W=100, Y_N=0$

Name	Range	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	569_775	64.09	40.3	0.24	0.6124	0.3851	597	490
Y <sub>d</sub>	494_775	81.66	94.73	6.1	0.4474	0.519	572	464
G <sub>d</sub>	494_569	17.76	54.62	6.05	0.2264	0.6963	536	536c
C <sub>d</sub>	380_569	33.55	59.89	95.93	0.1771	0.3162	490	597
B <sub>d</sub>	380_494	15.98	5.46	90.06	0.1433	0.0489	464	572
M <sub>d</sub>	569_494	79.88	45.57	90.11	0.3705	0.2113	536c	536
W <sub>d</sub>	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N <sub>d</sub>	380_775	0.09	0.1	0.09	0.332	0.3406	0%	
Z <sub>d</sub>	380_775	17.54	18.0	17.27	0.3321	0.3407	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 P55  
 $Y_W=100, Y_N=0$