

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0,110, B_c = 1,300$

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

6 Ostwald colours (o)

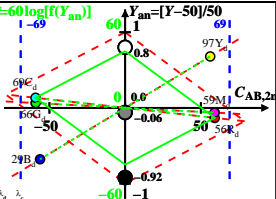
of maximum (m)  $C_{AB}$  in

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

Illumin. P40,  $Y_W=100, Y_N=25$

Name	Range	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	573_775	77.92	55.92	16.27	0.519	0.3725	600	493
Y <sub>d</sub>	498_775	93.2	96.53	19.27	0.4459	0.4618	576	468
G <sub>d</sub>	498_573	40.61	65.71	19.24	0.3234	0.5233	540	540c
C <sub>d</sub>	380_573	48.36	69.19	64.67	0.2654	0.3797	493	600
B <sub>d</sub>	380_498	33.08	28.58	61.66	0.2682	0.2317	468	576
M <sub>d</sub>	573_498	85.67	59.41	61.69	0.4143	0.2873	540c	540
W <sub>d</sub>	380_775	100.93	100.0	64.68	0.3799	0.3764	100%	
N <sub>d</sub>	380_775	25.23	25.0	16.17	0.3799	0.3764	25%	
Z <sub>d</sub>	380_775	18.16	18.0	11.64	0.3799	0.3764	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 P40

$Y_W=100, Y_N=25$