

$XYZ_W = 115.18, 100.0, 26.59$

$A_2 = 2.5 (a_2 - a_{2,n}) Y$

$B_2 = 2.5 B_c (b_2 - b_{2,n}) Y$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 3.700$

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

6 Ostwald colours (o)

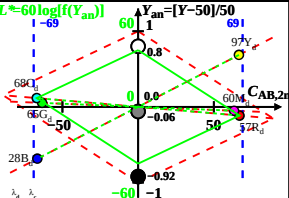
of maximum (m)  $C_{AB}$  in

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

Illumin. P25,  $Y_W = 100, Y_N = 25$

| Name  | Range   | $X_d$    | $Y_d$ | $Z_d$ | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|-------|---------|----------|-------|-------|--------|--------|-------------|-------------|
| $R_d$ | 582_775 | 91.03    | 56.79 | 6.7   | 0.589  | 0.3675 | 608         | 502         |
| $Y_d$ | 506_775 | 112.2996 | 85    | 7.84  | 0.5175 | 0.4463 | 583         | 478         |
| $G_d$ | 506_582 | 50.16    | 65.15 | 7.81  | 0.4073 | 0.5291 | 552         | 552c        |
| $C_d$ | 380_582 | 53.08    | 68.32 | 26.57 | 0.3587 | 0.4617 | 502         | 608         |
| $B_d$ | 380_506 | 31.83    | 28.27 | 25.43 | 0.3721 | 0.3305 | 478         | 583         |
| $M_d$ | 582_506 | 93.95    | 59.97 | 25.45 | 0.5237 | 0.3343 | 552c        | 552         |
| $W_d$ | 380_775 | 115.18   | 100.0 | 26.59 | 0.4764 | 0.4136 | 100%        |             |
| $N_d$ | 380_775 | 28.79    | 25.0  | 6.64  | 0.4764 | 0.4136 | 25%         |             |
| $Z_d$ | 380_775 | 20.73    | 18.0  | 4.78  | 0.4764 | 0.4136 | 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 P25

$Y_W = 100, Y_N = 25$