

$XYZ_{W,10} = 101.75, 100.0, 64.44$

$L^*_{10} = 60 \log[f(Y_{10,an})]$   $Y_{10,an} = [Y_{10} - 50] / 50$

$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$

$b_{2,10} = b_{20} [z_{10} / y_{10}]$

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

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

$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

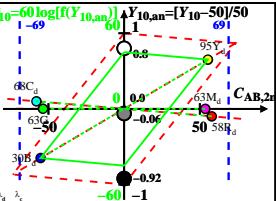
6 Ostwald colours (o)

of maximum (m)  $C_{AB,10}$  in

linear colour space ( $C_{AB,2,10}, Y_{10}$ )

Illumin. P40,  $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	569_775	79.02	57.61	16.17	0.5171	0.3769	597	487
Y <sub>d</sub>	492_775	93.93	95.1	18.98	0.4515	0.4571	572	465
G <sub>d</sub>	492_569	40.44	62.59	18.98	0.3314	0.5129	535	535c
C <sub>d</sub>	380_569	48.28	67.51	64.46	0.2678	0.3745	487	597
B <sub>d</sub>	380_492	33.38	30.02	61.65	0.2669	0.24	465	572
M <sub>d</sub>	569_492	86.87	62.53	61.65	0.4115	0.2962	535c	535
W <sub>d</sub>	380_775	101.75	100.0	64.44	0.3822	0.3756	100%	
N <sub>d</sub>	380_775	25.43	25.0	16.11	0.3822	0.3756	25%	
Z <sub>d</sub>	380_775	18.31	18.0	11.6	0.3822	0.3756	18%	



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$   
 n increases to 1 for:

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

Parameter:  
 $Y_{10}$  & Name  
 Illuminant P40  
 $Y_{W,10} = 100, Y_{N,10} = 25$