

$XYZ_{W,10} = 94.81, 100.0, 107.33$

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

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

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

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

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

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

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

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

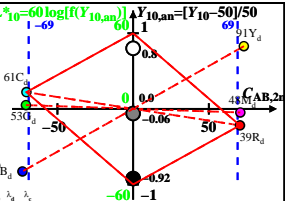
6 Ostwald colours (o)

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

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

Illumin. D65,  $Y_{W,10} = 100, Y_{N,10} = 0$

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>	561_775	59.84	39.12	0.21	0.6033	0.3944	593	482
Y <sub>d</sub>	487_775	76.97	91.46	6.8	0.4392	0.5219	566	461
G <sub>d</sub>	487_561	17.32	52.54	6.8	0.2259	0.6852	529	529c
C <sub>d</sub>	380_561	35.16	61.07	107.33	0.1727	0.3	482	593
B <sub>d</sub>	380_487	18.02	8.73	100.74	0.1413	0.0685	461	566
M <sub>d</sub>	561_487	77.67	47.65	100.74	0.3435	0.2107	529c	529
W <sub>d</sub>	380_775	94.81	100.0	107.33	0.3137	0.3309	100%	
N <sub>d</sub>	380_775	0.09	0.1	0.1	0.3136	0.3308	0%	
Z <sub>d</sub>	380_775	17.06	18.0	19.32	0.3137	0.3309	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 D65  
 $Y_{W,10} = 100, Y_{N,10} = 0$