

$XYZ_{W,10} = 97.65, 100.0, 118.42$   $L^*_{10} = 60 \log[f(Y_{10,an})]$   $Y_{10,an} = [Y_{10} - 50] / 50$

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

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

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

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

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

$x_c = 0,110, B_c = 0,700$

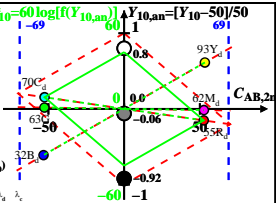
$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

von maximalem (m)  $C_{AB,10}$  im  
linearen Farbenraum ( $C_{AB,2,10}, Y_{10}$ )

Lichtart Q00,  $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	561_775	70.11	54.91	29.72	0.453	0.3548	593	481
Y <sub>d</sub>	486_775	82.53	93.19	34.21	0.3931	0.4439	566	459
G <sub>d</sub>	486_561	36.93	63.38	34.21	0.2745	0.4711	530	530c
C <sub>d</sub>	380_561	52.07	70.21	118.45	0.2162	0.2916	481	593
B <sub>d</sub>	380_486	39.64	31.93	113.96	0.2136	0.172	459	566
M <sub>d</sub>	561_486	85.25	61.74	113.96	0.3266	0.2366	530c	530
W <sub>d</sub>	380_775	97.65	100.0	118.42	0.3089	0.3163	100%	
N <sub>d</sub>	380_775	24.41	25.0	29.6	0.3089	0.3163	25%	
Z <sub>d</sub>	380_775	17.57	18.0	21.31	0.3089	0.3163	18%	



$f(Y_{10,an}) = \pm [1 + 10 |Y_{10,an}|^n]$   
 $n$  nähert sich 1 für:  
 1. abnehmendem Kontrast  $C$   
 2. aneinandergrenzende / separate Farben.

Parameter:  
 $Y_{10}$  & Name  
 Lichtart Q00  
 $Y_{W,10} = 100, Y_{N,10} = 25$