

$XYZ_{W,10} = 96.72, 99.99, 81.41$

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

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

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

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

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

$x_c = 0,110, B_c = 1,000$

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

6 Ostwald-Farben (o)

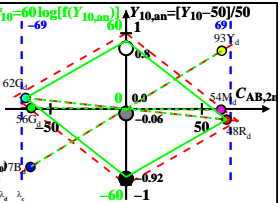
von maximalem (m)  $C_{AB,10}$  im

linearen Farbenraum ( $C_{AB,2,10}, Y_{10}$ )

Lichtart D50,  $Y_{W,10} = 100, Y_{N,10} = 10$

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>	565_775	68.94	47.87	8.22	0.5513	0.3828	594	484
Y <sub>d</sub>	490_775	84.82	93.4	13.03	0.4434	0.4883	568	463
G <sub>d</sub>	490_565	25.64	55.63	13.03	0.2719	0.5898	531	531c
C <sub>d</sub>	380_565	37.55	62.23	81.41	0.2072	0.3434	484	594
B <sub>d</sub>	380_490	21.68	16.7	76.6	0.1885	0.1452	463	568
M <sub>d</sub>	565_490	80.85	54.47	76.6	0.3815	0.257	531c	531
W <sub>d</sub>	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N <sub>d</sub>	380_775	9.67	9.99	8.14	0.3477	0.3595	10%	
Z <sub>d</sub>	380_775	17.41	17.99	14.65	0.3477	0.3595	18%	

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



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

- n nähert sich 1 für:
- 1. abnehmendem Kontrast C
- 2. aneinandergrenzende / separate Farben.

Parameter:  
 $Y_{10}$  & Name  
 Lichtart D50  
 $Y_{W,10} = 100, Y_{N,10} = 10$