

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

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

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

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

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

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

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

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

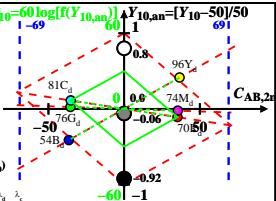
$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

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

Lichtart D65,  $Y_{W,10} = 100, Y_{N,10} = 50$

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	77.35	69.58	53.77	0.3854	0.3466	593	482
Y <sub>d</sub>	487_775	85.93	95.77	57.07	0.3598	0.4011	566	461
G <sub>d</sub>	487_561	56.07	76.29	57.07	0.296	0.4027	529	529c
C <sub>d</sub>	380_561	65.0	80.56	107.38	0.2569	0.3185	482	593
B <sub>d</sub>	380_487	56.42	54.37	104.09	0.2625	0.253	461	566
M <sub>d</sub>	561_487	86.28	73.85	104.09	0.3265	0.2795	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	47.4	50.0	53.66	0.3137	0.3309	50%	
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 nähert sich 1 für:
- 1. abnehmendem Kontrast C
- 2. aneinandergrenzende / separate Farben.

Parameter:  
 $Y_{10}$  & Name  
Lichtart D65  
 $Y_{W,10} = 100, Y_{N,10} = 50$