

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

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

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

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

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

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

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

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

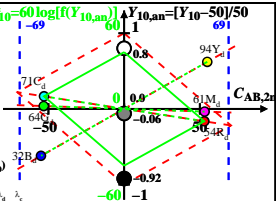
$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

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

Lichtart D65, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	561_775	68.58	54.32	26.94	0.4576	0.3625	593	482
Y_d	487_775	81.44	93.61	31.88	0.3935	0.4523	566	461
G_d	487_561	36.66	64.39	31.88	0.2757	0.4843	529	529c
C_d	380_561	50.05	70.8	107.36	0.2193	0.3102	482	593
B_d	380_487	37.18	31.5	102.41	0.2173	0.1841	461	566
M_d	561_487	81.97	60.72	102.41	0.3344	0.2477	529c	529
W_d	380_775	94.81	100.0	107.33	0.3137	0.3309	100%	
N_d	380_775	23.7	25.0	26.83	0.3137	0.3309	25%	
Z_d	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
 $Y_{W,10} = 100, Y_{N,10} = 25$