

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

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

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

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

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

$$a_m = 1, b_m = -0,4$$

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

$$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$$

6 Ostwald-Farben (o)

von maximalem (m) $C_{AR,10}$

linearen Farbenraum ($C_{AB,2,100}, Y_{90}$)

Lichtart D65, $Y_{\text{ref},10}=100$, $Y_{\text{ref},10}=0$

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	59.84	39.12	0.21	0.6033	0.3944	593	482
Y _d	487_775	76.97	91.46	6.8	0.4392	0.5219	566	461
G _d	487_561	17.32	52.54	6.8	0.2259	0.6852	529	529c
C _d	380_561	35.16	61.07	107.33	0.1727	0.3	482	593
B _d	380_487	18.02	8.73	100.74	0.1413	0.0685	461	566
M _d	561_487	77.67	47.65	100.74	0.3435	0.2107	529c	529
W _d	380_775	94.81	100.0	107.33	0.3137	0.3309	100%	
N _d	380_775	0.09	0.1	0.1	0.3136	0.3308	0%	
Z _d	380_775	17.06	18.0	19.32	0.3137	0.3309	18%	

$$f(Y_{10,20}) = \pm [1 + 10 |Y_{10,20}|^n]$$

n nähert sich 1 für:

1. abnehmendem Kontrast C
2. aneinandergrenzende / separate Farben.

Parameter:
 Y_{10} & Name
Lichtart D65
 $Y_{w,10}=100, Y_{N,10}=0$