

$XYZ_W=109.84, 99.99, 35.58$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [ (x - x_c) / y ]$

$b_2 = b_{20} B_c [ z / y ]$

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

$x_c = 0,110, B_c = 2,500$

$C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o),  $C_{AB,2} = \text{const}$

Farbenraum ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $Y > 0,8856$ ) oder

$L^*_{CIE} = 116[(841/108)(Y/100) + 4/29] - 16$

Lichtart A00,  $Y_W=72.0, Y_N=4.5$

Name	Bereich	X	Y	Z	x	y	$\lambda_d$	$\lambda_c$	$a_2$	$b_2$	$c_2$	$A_2$	$B_2$	$C_{AB,2}$	$h_{AB,2}$	$Y_r$	$L'_{CIE}$	$L'_{CIE}$	$L'_{TVr}$	$L'_{TAr}$
R	579_775	52.97	30.18	1.46	0.626	0.356605	499	1.446	-0.048	0.69	46.6	23.1	52.0	26	1.67	11.8	12.4	12.8	11.0	
Y <sub>o</sub>	504_775	67.91	62.35	2.86	0.51	0.468581	474	0.854	-0.045	0.311	4.0	48.3	48.4	85	3.46	33.1	33.9	30.8	24.6	
G <sub>o</sub>	504_579	19.38	36.22	2.83	0.331	0.619547	547	0.357	-0.078	0.546	-42.6	25.1	49.4	149	2.01	16.6	17.3	17.3	14.7	
C <sub>o</sub>	380_579	22.65	38.66	23.03	0.268	0.458499	605	0.345	-0.595	0.539	-46.6	-23.1	52.0	206	2.14	18.5	19.2	19.0	16.0	
B <sub>o</sub>	380_504	7.71	6.49	21.63	0.215	0.181474	581	0.581	-3.332	2.986	-4.0	-48.3	48.4	265	0.36	-19.3	-19.0	-25.3	-20.7	
M <sub>o</sub>	579_504	56.24	32.62	21.66	0.508	0.295547	547	1.351	-0.664	0.606	42.6	-25.1	49.4	329	1.81	13.8	14.5	14.7	12.6	
W <sub>d</sub>	380_775	79.09	71.99	25.61	0.447	0.407	72%	0.828	-0.355	0.01	0.0	0.0	0.0	0	4.0	37.9	38.8	34.4	26.9	
N <sub>d</sub>	380_775	4.94	4.49	1.6	0.447	0.407	4%	0.828	-0.355	0.01	0.0	0.0	0.0	180	0.25	-24.7	-24.4	-34.4	-26.9	
U <sub>d</sub>	380_775	19.77	17.99	6.4	0.447	0.407	18%	0.828	-0.355	0.01	0.0	0.0	0.0	180	1.0	-0.4	0.0	0.0	0.0	