

$XYZ_W=96.42, 100.0, 82.49$

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

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

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

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

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

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

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

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 D50,  $Y_W=72.0, Y_N=4.5$

Name	Bereich	X	Y	Z	x	y	$\lambda_d$	$\lambda_c$	$a_2$	$b_2$	$c_2$	$A_2$	$B_2$	$C_{AB,2}$	$h_{AB,2}$	$Y_r$	$L_{CIE}^*$	$L_{CIE}^*$	$L_{Tur}^*$	$L_{Tar}^*$
R <sub>n</sub>	570_775	48.14	31.49	3.74	0.577	0.377598	491	1.237	-0.047	0.645	45.6	22.2	50.7	25	1.74	62.9	63.5	63.9	61.9	
Y <sub>n</sub>	496_775	60.43	67.97	6.59	0.447	0.503573	468	0.67	-0.038	0.291	2.2	49.4	49.5	87	3.77	85.9	86.8	83.0	76.0	
G <sub>n</sub>	496_570	16.63	40.97	6.55	0.259	0.638538	538	0.233	-0.064	0.5	-43.4	27.2	51.2	147	2.27	70.1	70.8	70.4	67.1	
C <sub>n</sub>	380_570	25.62	45.0	59.36	0.197	0.346491	598	0.251	-0.527	0.451	-45.6	-22.2	50.7	205	2.5	72.8	73.6	72.7	68.9	
B <sub>n</sub>	380_496	13.32	8.52	56.52	0.17	0.108468	573	0.552	-2.65	2.323	-2.2	-49.4	49.5	267	0.47	35.0	35.4	31.4	34.3	
M <sub>n</sub>	570_496	57.13	35.52	56.55	0.382	0.238538	538	1.146	-0.636	0.577	43.4	-27.2	51.2	327	1.97	66.1	66.8	66.8	64.3	
W <sub>n</sub>	380_775	69.42	72.0	59.39	0.345	0.358	72%		0.657	-0.329	0.01	0.0	0.0	0.0	0	4.0	87.9	88.8	84.4	76.9
N <sub>d</sub>	380_775	4.33	4.5	3.71	0.345	0.358	4%		0.657	-0.329	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0
U <sub>d</sub>	380_775	17.35	18.0	14.84	0.345	0.358	18%		0.657	-0.329	0.01	0.0	0.0	0.0	192	1.0	49.5	50.0	50.0	50.0

-74 Parameter:

$L_{CIE}^*$  & Name

$Y_r = Y/18,$

$L' = L^* - 50$

