

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0,110, B_c = 1,300$

$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$

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 P40,  $Y_W=90.0, Y_N=3.6$

Name	Bereich	X	Y	Z	x	y	$\lambda_d$	$\lambda_c$	$a_2$	$b_2$	$c_2$	$A_2$	$B_2$	$C_{AB,2}$	$h_{AB,2}$	$Y_r$	$L'_{CIE}$	$L'_{Clr}$	$L'_{Tur}$	$L'_{Tar}$
R <sub>n</sub>	573_775	57.85	35.23	2.13	0.607	0.37	600	493	1.344	-0.031	0.697	55.2	26.8	61.4	25	1.95	15.9	16.5	16.6	14.1
Y <sub>n</sub>	498_775	73.71	77.38	5.25	0.471	0.494	576	468	0.73	-0.035	0.301	2.5	58.2	58.3	87	4.29	40.4	41.4	36.2	28.0
G <sub>n</sub>	498_573	19.12	45.39	5.21	0.274	0.65	540	540	0.252	-0.059	0.54	-52.7	31.3	61.3	149	2.52	23.1	23.8	22.9	19.0
C <sub>n</sub>	380_573	27.17	49.0	52.36	0.211	0.381	493	600	0.265	-0.555	0.501	-55.2	-26.8	61.4	205	2.72	25.4	26.2	24.8	20.4
B <sub>n</sub>	380_498	11.31	6.85	49.24	0.167	0.101	468	576	0.568	-3.733	3.4	-2.5	-58.2	58.3	267	0.38	-18.5	-18.1	-23.9	-19.8
M <sub>n</sub>	573_498	65.89	38.84	49.27	0.427	0.252	540	540	1.26	-0.659	0.631	52.7	-31.3	61.3	329	2.15	18.6	19.3	19.1	16.1
W <sub>n</sub>	380_775	90.83	90.0	58.22	0.379	0.376	90%		0.717	-0.336	0.01	0.0	0.0	0.0	0	4.99	45.9	46.9	40.0	30.1
N <sub>d</sub>	380_775	3.63	3.6	2.32	0.379	0.376	3%		0.717	-0.336	0.01	0.0	0.0	0.0	180	0.19	-27.6	-27.4	-40.0	-30.1
U <sub>d</sub>	380_775	18.16	18.0	11.64	0.379	0.376	18%		0.717	-0.336	0.01	0.0	0.0	0.0	169	1.0	-0.4	0.0	0.0	0.0