

$XYZ_W=95.04, 100.0, 108.89$

$A_2 = 2.5 (a_2 - a_{2n}) Y$

$B_2 = 2.5 (b_2 - b_{2n}) Y$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 0.800$

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

6 Ostwald-Farben (o),  $C_{AB2} = \text{const}$

Farbenraum  $(C_{AB2}, L_{TAR}^*)$

$L_{TAR}^* = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_c = Y/18, x = \log[Y_c]$

Lichtart D65,  $Y_W = 54.0, Y_N = 6.0$

Name Bereich X Y Z x<sub>λ</sub> λ<sub>c</sub> a<sub>2</sub> b<sub>2</sub> c<sub>2</sub> A<sub>2</sub> B<sub>2</sub> C<sub>AB2</sub> L<sub>TAR</sub><sup>\*</sup> L<sub>TAR</sub><sup>c</sup> Y<sub>c</sub> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup>

R	567.775	34.32	24.19	6.55	0.527	0.371596	489.1122	-0.086	0.57	30.6	15.8	34.4	27	1.34	56.2	58.8	57.3	56.3	
Y	493.775	42.71	31.24	9.77	0.41	0.493570	463.061	-0.061	0.287	-0.6	36.8	36.8	9.1	2.84	76.8	77.6	76.0	71.2	
G	493.567	14.09	52.04	7.75	0.247	0.58	535.0237	-0.094	0.456	-31.3	20.9	37.6	146	1.83	64.2	64.8	65.1	62.8	
C	380.567	22.7	35.8	58.77	0.193	0.305489	596.0273	-0.525	0.385	-30.6	-15.8	34.4	207	1.98	66.3	67.0	67.0	64.5	
B	380.493	14.3	8.75	55.56	0.181	0.111463	570.0646	-0.201	1.682	0.6	0.0	0.0	0.0	4.8	35.5	35.8	32.0	34.8	
M	567.493	42.93	26.95	55.88	0.342	0.214535	535.108	-0.659	0.559	31.3	-20.9	37.6	326	1.49	58.9	59.5	60.0	58.6	
W	380.775	51.32	54.0	58.8	0.312	0.329	64.6	0.616	-0.348	0.01	0.0	0.0	0.0	3.0	78.4	79.2	77.3	72.1	
N	380.775	5.7	6.0	6.53	0.312	0.329	6.6	0.616	-0.348	0.01	0.0	0.0	0.0	178	0.33	29.4	29.7	22.6	27.8
U	380.775	17.1	18.0	19.6	0.312	0.329	18.6	0.616	-0.348	0.01	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0	

fgc91-5a

$XYZ_W=96.42, 100.0, 82.49$

$A_2 = 2.5 (a_2 - a_{2n}) Y$

$B_2 = 2.5 (b_2 - b_{2n}) Y$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.000$

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

6 Ostwald-Farben (o),  $C_{AB2} = \text{const}$

Farbenraum  $(C_{AB2}, L_{TAR}^*)$

$L_{TAR}^* = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_c = Y/18, x = \log[Y_c]$

Lichtart D50,  $Y_W = 54.0, Y_N = 6.0$

Name Bereich X Y Z x<sub>λ</sub> λ<sub>c</sub> a<sub>2</sub> b<sub>2</sub> c<sub>2</sub> A<sub>2</sub> B<sub>2</sub> C<sub>AB2</sub> L<sub>TAR</sub><sup>\*</sup> L<sub>TAR</sub><sup>c</sup> Y<sub>c</sub> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup>

R	570.775	36.93	25.19	4.97	0.55	0.375598	491.1172	-0.078	0.573	32.4	15.8	36.1	25	1.39	57.2	57.8	58.3	57.2	
Y	496.775	45.67	31.13	6.99	0.44	0.492573	468.0669	-0.054	0.275	1.5	35.1	35.2	8.7	2.84	76.7	77.5	75.9	71.2	
G	496.570	14.52	51.93	6.97	0.271	0.597538	538.027	-0.087	0.456	-30.8	19.3	36.4	147	1.77	63.2	63.9	64.2	62.2	
C	380.570	20.92	34.8	44.52	0.208	0.347491	598.284	-0.511	0.415	-32.4	-15.8	36.1	205	1.93	65.5	66.2	66.3	63.9	
B	380.496	12.17	8.86	42.5	0.191	0.139468	573.0585	-0.197	1.589	-1.5	-35.1	35.2	267	0.49	35.7	36.0	32.3	35.0	
M	570.496	42.32	28.06	42.52	0.38	0.246538	538.1097	-0.606	0.519	30.8	-19.3	36.4	327	1.55	59.9	60.5	61.0	59.5	
W	380.775	52.06	54.0	44.54	0.345	0.358	54.6	0.657	-0.329	0.01	0.0	0.0	0.0	3.0	78.4	79.2	77.3	72.1	
N	380.775	5.78	6.0	4.94	0.345	0.358	6.6	0.657	-0.329	0.01	0.0	0.0	0.0	181	0.33	29.4	29.7	22.6	27.8
U	380.775	17.35	18.0	14.84	0.345	0.358	18.6	0.657	-0.329	0.01	0.0	0.0	0.0	180	1.0	49.5	50.0	50.0	50.0

fgc91-6a

$XYZ_W=100.93, 100.0, 64.68$

$A_2 = 2.5 (a_2 - a_{2n}) Y$

$B_2 = 2.5 (b_2 - b_{2n}) Y$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.300$

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

6 Ostwald-Farben (o),  $C_{AB2} = \text{const}$

Farbenraum  $(C_{AB2}, L_{TAR}^*)$

$L_{TAR}^* = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_c = Y/18, x = \log[Y_c]$

Lichtart P40,  $Y_W = 54.0, Y_N = 6.0$

Name Bereich X Y Z x<sub>λ</sub> λ<sub>c</sub> a<sub>2</sub> b<sub>2</sub> c<sub>2</sub> A<sub>2</sub> B<sub>2</sub> C<sub>AB2</sub> L<sub>TAR</sub><sup>\*</sup> L<sub>TAR</sub><sup>c</sup> Y<sub>c</sub> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup>

R	573.775	39.74	25.74	3.9	0.572	0.371600	493.1247	-0.078	0.589	34.1	16.5	37.9	25	1.43	57.8	58.3	58.8	57.7	
Y	498.775	49.53	31.76	5.83	0.462	0.483576	468.0729	-0.058	0.278	1.5	35.9	35.9	8.7	2.87	77.1	77.9	76.2	71.4	
G	498.573	15.84	32.01	5.8	0.295	0.596540	540.031	-0.094	0.473	-32.5	19.3	37.8	149	1.77	63.3	64.0	64.3	62.2	
C	380.573	20.81	34.25	34.91	0.231	0.38	493.600318	-0.529	0.443	-34.1	-16.5	37.9	205	1.9	65.1	65.8	65.9	63.6	
B	380.498	11.02	8.23	32.98	0.21	0.157468	576.064	-0.283	1.748	-1.5	-35.9	35.9	267	0.45	34.4	34.8	30.5	33.6	
M	573.498	44.71	27.98	33.0	0.423	0.264540	540.1182	-0.613	0.541	32.5	-19.3	37.8	329	1.55	59.8	60.4	60.9	59.4	
W	380.775	54.5	54.0	34.93	0.379	0.376	54.6	0.717	-0.336	0.01	0.0	0.0	0.0	3.0	78.4	79.2	77.3	72.1	
N	380.775	6.05	6.0	3.88	0.379	0.376	6.6	0.717	-0.336	0.01	0.0	0.0	0.0	180	0.33	29.4	29.7	22.6	27.8
U	380.775	18.16	18.0	11.64	0.379	0.376	18.6	0.717	-0.336	0.01	0.0	0.0	163	1.0	49.5	50.0	50.0	50.0	

fgc91-7a

$XYZ_W=109.84, 99.99, 35.58$

$A_2 = 2.5 (a_2 - a_{2n}) Y$

$B_2 = 2.5 (b_2 - b_{2n}) Y$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 2.500$

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

6 Ostwald-Farben (o),  $C_{AB2} = \text{const}$

Farbenraum  $(C_{AB2}, L_{TAR}^*)$

$L_{TAR}^* = 50 + 50[e^x + e^{-x}] / [e^x + e^{-x}]$

$Y_c = Y/18, x = \log[Y_c]$

Lichtart A00,  $Y_W = 54.0, Y_N = 6.0$

Name Bereich X Y Z x<sub>λ</sub> λ<sub>c</sub> a<sub>2</sub> b<sub>2</sub> c<sub>2</sub> A<sub>2</sub> B<sub>2</sub> C<sub>AB2</sub> L<sub>TAR</sub><sup>\*</sup> L<sub>TAR</sub><sup>c</sup> Y<sub>c</sub> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup> L<sub>TAR</sub><sup>c</sup>

R	579.775	44.93	26.64	2.15	0.609	0.361605	499.1381	-0.08	0.618	36.8	18.3	41.1	26	1.48	58.6	59.2	59.7	58.4	
Y	504.775	56.73	32.06	3.25	0.506	0.464481	474.0852	-0.062	0.294	3.1	38.1	38.3	8.5	2.89	77.3	78.1	76.3	71.5	
G	504.579	18.39	31.42	3.23	0.346	0.592547	547.039	-0.103	0.497	-33.6	19.8	39.1	149	1.74	62.8	63.5	63.8	61.1	
C	380.579	20.97	34.25	34.91	0.285	0.453499	605.386	-0.575	0.495	-36.8	-18.3	41.1	206	1.85	64.4	65.0	65.3	63.0	
B	380.504	9.17	7.93	18.09	0.26	0.225474	581.0668	-2.281	1.932	-3.1	-38.1	38.3	265	0.44	33.8	34.1	29.6	32.9	
M	579.504	47.51	28.57	11.01	0.504	0.303547	547.13	-0.633	0.547	33.6	-19.8	39.1	329	1.58	60.4	61.0	61.4	59.9	
W	380.775	59.31	53.99	19.21	0.447	0.407	54.6	0.828	-0.355	0.01	0.0	0.0	0.0	3.0	78.4	79.2	77.3	72.1	
N	380.775	6.05	6.0	3.88	0.447	0.407	6.6	0.828	-0.355	0.01	0.0	0.0	0.0	176	0.33	29.4	29.7	22.6	27.8
U	380.775	19.77	17.99	6.4	0.447	0.407	18.6	0.828	-0.355	0.01	0.0	0.0	163	1.0	49.5	50.0	50.0	50.0	

fgc91-8a

fgc90-7R\_R