

$XYZ_W=95.04, 100.0, 108.89$

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

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

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

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

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

$x_c = 0.110, B_c = 0.800$

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

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

colour space ($C_{AB,2}, L^*_{TU,r}$)

$L^*_{TU,r} = 50 + 40[Y_r / \log(5)]$

Illumin. D65, $Y_W = 54.0, Y_c = 6.0$

Name Range X Y_W Z x N_y λ_g λ_c a_2 b_2 c_2 A_2 B_2 $C_{AB,2}$ $L^*_{TU,r}$ Y_r $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$

R	567.775	30.89	21.77	5.9	0.527	0.371	1596	489	1.122	-0.086	0.57	27.5	14.2	31.0	27	1.2	3.7	4.3	4.7	4.1	
Y	493.775	38.44	46.11	8.79	0.441	0.493	570	463	0.661	-0.061	0.237	-0.5	33.1	33.1	9.1	2.5	23.6	24.3	23.3	19.3	
G	493.567	12.68	29.74	1.77	0.247	0.58	535	535	0.237	-0.094	0.458	-28.1	18.8	33.9	146	16.5	11.4	12.0	12.4	10.7	
C	380.567	20.43	32.22	52.9	0.193	0.305	489	596	0.273	-0.525	0.385	-27.5	-14.2	31.0	207	1.79	13.5	14.1	14.4	12.3	
B	380.493	10.82	7.88	50.0	0.181	0.111	463	570	0.646	-2.03	1.682	3.5	-33.1	33.1	271	6.7	16.2	-15.9	-20.5	-17.2	
M	567.493	38.63	24.25	50.0	0.242	0.214	535	535	1.08	-0.659	0.559	24.1	-18.8	33.9	326	1.34	6.3	6.9	7.4	6.4	
W	380.775	51.32	54.0	58.8	0.312	0.329	546	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0.0	3.0	28.4	29.2	27.3	22.1	
N	380.775	5.78	6.0	6.53	0.312	0.329	6.0	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0.0	17.0	0.33	-20.5	-20.2	-27.3	-22.1
U	380.775	17.1	18.0	19.6	0.312	0.329	18%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0.0	1.0	-0.4	0.0	0.0	0.0	

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-74 Parameter:

$L^*_{TU,r} = L^*_{TU,r} - 50$

$L^*_{TU,r}$ & name

$Y_r = Y/18,$

$L^*_{TU,r} = L^*_{TU,r} - 50$

$64C_d$

$64C_d$

$55K_d$

$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

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$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

$XYZ_W=96.42, 100.0, 82.49$

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

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

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

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

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

$x_c = 0.110, B_c = 1.000$

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

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

colour space ($C_{AB,2}, L^*_{TU,r}$)

$L^*_{TU,r} = 50 + 40[Y_r / \log(5)]$

Illumin. D50, $Y_W = 54.0, Y_c = 6.0$

Name Range X Y_W Z x N_y λ_g λ_c a_2 b_2 c_2 A_2 B_2 $C_{AB,2}$ $L^*_{TU,r}$ Y_r $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$

R	570.775	33.24	22.67	4.47	0.55	0.375	598	491	1.172	-0.078	0.73	29.2	14.2	32.5	25	1.25	4.7	5.2	5.7	4.9	
Y	496.775	41.1	46.02	6.29	0.44	0.492	573	468	0.609	-0.054	0.23	1.4	31.6	31.7	87	2.55	23.5	24.3	23.3	19.3	
G	496.570	13.07	28.74	6.27	0.271	0.597	538	538	0.271	-0.087	0.45	-27.7	17.4	32.8	147	1.59	10.5	11.1	11.6	10.0	
C	380.570	18.82	31.32	40.07	0.208	0.347	491	598	0.284	-0.511	0.415	-29.2	-14.2	32.5	205	1.4	12.7	13.4	13.7	11.8	
B	380.496	10.96	7.97	38.25	0.191	0.139	468	573	0.585	-1.917	1.589	-1.4	-31.6	31.7	267	0.44	-16.0	-15.7	-20.2	-16.9	
M	570.496	38.99	25.25	38.27	0.38	0.246	538	538	1.097	-0.606	0.519	37.7	-17.4	32.8	327	1.4	7.3	7.9	8.4	7.3	
W	380.775	52.06	54.0	44.54	0.345	0.358	546	0.657	-0.329	0.01	0.0	0.0	0.0	0.0	0.0	3.0	28.4	29.2	27.3	22.1	
N	380.775	5.78	6.0	4.94	0.345	0.358	6.0	0.657	-0.329	0.01	0.0	0.0	0.0	0.0	0.0	18.0	0.33	-20.5	-20.2	-27.3	-22.1
U	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	0.0	0.0	2.0	1.0	-0.4	0.0	0.0	

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-74 Parameter:

$L^*_{TU,r} = L^*_{TU,r} - 50$

$L^*_{TU,r}$ & name

$Y_r = Y/18,$

$L^*_{TU,r} = L^*_{TU,r} - 50$

$64C_d$

$64C_d$

$56K_d$

$64R_{AB,2}$

$64R_{AB,2}$

$64R_{AB,2}$

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$64R_{AB,2}$

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0.110, B_c = 1.300$

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

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

colour space ($C_{AB,2}, L^*_{TU,r}$)

$L^*_{TU,r} = 50 + 40[Y_r / \log(5)]$

Illumin. P40, $Y_W = 54.0, Y_c = 6.0$

Name Range X Y_W Z x N_y λ_g λ_c a_2 b_2 c_2 A_2 B_2 $C_{AB,2}$ $L^*_{TU,r}$ Y_r $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$ $L^*_{TU,r}$

R	573.775	35.77	23.17	3.51	0.572	0.371	600	493	1.247	-0.078	0.589	30	14.9	34.1	25	1.28	5.2	5.8	6.2	5.4
Y	498.775	44.58	46.59	5.24	0.462	0.483	576	468	0.729	-0.058	0.78	1.4	32.3	32.3	87	2.58	23.9	24.6	23.6	19.5
G	498.573	14.26	28.81	5.21	0.295	0.596	540	540	0.31	-0.094	0.473	-29.2	17.4	34.0	149	1.6	10.6	11.2	11.6	10.0
C	380.573	18.72	30.82	31.41	0.231	0.38	493	600	0.318	-0.529	0.443	-30.7	-14.9	34.1	205	1.7	12.3	12.9	13.3	11.4
B	380.498	9.91	7.4	29.68	0.21	0.157	468	576	0.64	-2.083	1.748	-1.4	-32.3	32.3						