

XYZ_W=95.04, 100.0, 108.89

-74 Parameter:

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

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

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

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

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

$$x_c = 0.110, B_c = 0.800$$

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

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

colour space (C_{AB,2}, L*_{TAR})

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

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

Illumin. D65, Y_W=54.0, Y_c=6.0

Name Range X_W Y_W Z_W x_N y_N λ_c λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR}

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	0.61	-0.061	0.287	-0.5	33.1	33.1	9.1	2.56	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	0.456	-28.1	18.8	33.9	146	1.06	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	12.87	7.88	50.0	0.181	0.111	463	570	0.646	-0.203	1.682	0.5	-33.1	33.1	271	4.3	-16.2	-15.9	-20.5	-17.2
M	567.493	38.63	24.25	50.02	0.342	0.214	535	535	1.08	-0.659	0.559	28.1	-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	54.0	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	3.0	28.4	29.2	27.3	22.1	
N	380.775	5.7	6.0	6.53	0.312	0.329	6.0	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	178	0.33	-20.5	-20.2	-27.3	-22.1
U	380.775	18.1	18.0	19.6	0.312	0.329	18%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	180	1.0	-0.4	0.0	0.0	0.0

fed41-5a

XYZ_W=100.93, 100.0, 64.68

-74 Parameter:

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

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

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

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

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

$$x_c = 0.110, B_c = 1.300$$

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

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

colour space (C_{AB,2}, L*_{TAR})

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

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

Illumin. P40, Y_W=54.0, Y_c=6.0

Name Range X_W Y_W Z_W x_N y_N λ_c λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR}

R	573.775	35.77	23.17	3.51	0.572	0.371	1600	493	1.247	-0.078	0.589	30.7	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	0.278	1.4	32.3	32.3	87	2.58	23.9	24.6	23.7	19.5
G	498.573	14.26	28.82	3.22	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	18.37	30.81	31.421	0.281	0.38	493	600	0.318	-0.529	0.443	-30.7	-14.9	34.1	205	1.71	12.3	12.9	13.3	11.4
B	380.498	9.94	7.4	29.68	0.21	0.157	468	576	0.64	-2.083	1.748	-1.4	-32.3	32.3	267	4.01	-17.2	-16.9	-22.0	-18.3
M	573.498	40.24	25.18	29.7	0.423	0.264	540	540	1.182	-0.613	0.541	29.2	-17.4	34.0	329	1.39	7.2	7.8	8.3	7.2
W	380.775	54.5	54.0	34.93	0.379	0.376	54%	0.717	-0.336	0.01	0.0	0.0	0.0	0.0	3.0	28.4	29.2	27.3	22.1	
N	380.775	6.05	6.0	6.88	0.379	0.376	6.0	0.717	-0.336	0.01	0.0	0.0	0.0	0.0	180	0.33	-20.5	-20.2	-27.3	-22.1
U	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	0.0	163	1.0	-0.4	0.0	0.0	0.0

fed41-7a

fed40-7R_R

XYZ_W=96.42, 100.0, 82.49

-74 Parameter:

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

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

colour space (C_{AB,2}, L*_{TAR})

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

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

Illumin. D50, Y_W=54.0, Y_c=6.0

Name Range X_W Y_W Z_W x_N y_N λ_c λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR}

R	570.775	33.24	22.67	4.47	0.55	0.375	598	491	1.172	-0.078	0.573	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	0.275	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	0.207	-0.087	0.456	-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	1.74	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	-0.917	1.589	-1.4	-31.6	31.7	267	4.04	-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	27.7	-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	54%	0.657	-0.329	0.01	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	181	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	201	1.0	-0.4	0.0	0.0	0.0

fed41-6a

XYZ_W=109.84, 99.99, 35.58

-74 Parameter:

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

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

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

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

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

$$x_c = 0.110, B_c = 2.500$$

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

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

colour space (C_{AB,2}, L*_{TAR})

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

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

Illumin. A00, Y_W=54.0, Y_c=6.0

Name Range X_W Y_W Z_W x_N y_N λ_c λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR} L*_{TAR}

R	579.775	40.44	23.98	1.93	0.609	0.361	605	499	1.381	-0.08	0.618	33.1	16.4	37.0	26	1.33	6.0	6.6	7.1	6.1
Y	504.775	51.06	46.86	2.93	0.506	0.464	881	474	0.852	-0.062	0.294	2.8	34.3	34.4	85	2.6	24.1	24.8	23.7	19.6
G	504.579	16.55	28.28	2.91	0.346	0.592	547	540	0.39	-0.103	0.497	-30.3	17.8	35.1	149	1.57	10.1	10.7	11.2	9.6
C	380.579	18.87	30.01	17.27	0.285	0.453	499	605	0.386	-0.575	0.499	-33.1	-16.4	37.0	206	1.66	11.6	12.2	12.7	10.9
B	380.504	8.25	7.13	16.28	0.26	0.225	474	581	0.668	-2.281	1.932	-2.8	-34.3	34.4	265	3.99	-17.8	-17.5	-22.9	-19.0
M	579.504	42.76	25.16	16.3	0.504	0.303	547	547	1.33	-0.633	0.547	30.3	-17.8	35.1	329	1.42	7.7	8.3	8.8	7.6
W	380.775	59.31	53.99	19.21	0.447	0.407	54%	0.828	-0.355	0.01	0.0	0.0	0.0	0.0	3.0	28.4	29.2	27.3	22.1	
N	380.775	6.59	5.99	2.13	0.447	0.407	6.0	0.828	-0.355	0.01	0.0	0.0	0.0	0.0	176	0.33	-20.5	-20.2	-27.3	-22.1
U	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	0.0	163	1.0	-0.4	0.0	0.0	0.0

fed41-8a