

XYZ_w=95.04, 100.0, 108.89

-74 Parameter:

L*_{CIE} 100 74

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

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

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

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

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

$$x_c = 0.110, B_c = 0.800$$

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

6 Ostwald colours (o), C_{AB,2}=constcolour space (C_{AB,2}, L*_{CIE})

$$L^*_{CIE} = 116(Y/100)^{1/3} - 16 \quad (\gamma=0.8856) \text{ or}$$

$$L^*_{CIE} = 116[(841/108)(Y/100)+4/29]-16$$

Illumin. D65, Y_w=72.0, Y_c=4.5Name Range X_w Y_w Z_w X_c Y_c Z_c λ₁ λ₂ λ₃ λ₄ λ₅ λ₆ a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{CIE} L*_{AB,2} Y_F L*_{CIE} L*_{AB,2} L*_{TUV} L*_{Tar}

R	567.775	40.07	27.07	4.43	0.559	0.378	896	489	1.189	-0.052	0.645	38.7	20.0	43.6	27	1.5	59.0	59.6	60.1	58.7
Y	493.775	50.69	61.31	8.51	0.42	0.508	570	463	0.61	-0.044	0.304	-0.8	46.6	46.6	9.1	3.4	82.5	83.3	80.4	74.3
G	493.767	14.47	38.28	8.48	0.236	0.625	535	202	-0.07	0.498	-39.6	26.5	47.7	146	2.12	68.2	68.9	68.7	65.8	
C	380.567	25.36	41.77	70.53	0.184	0.303	489	596	0.244	-0.54	0.418	-38.7	-20.0	43.6	20.7	2.32	70.7	71.4	70.9	67.5
B	380.593	14.73	75.53	66.45	0.166	0.084	463	570	0.066	-2.82	2.472	0.8	-46.6	46.6	27.1	0.41	33.0	33.3	28.3	31.9
M	567.493	50.96	30.56	66.48	0.344	0.206	535	1.314	-0.696	0.624	39.6	-26.5	47.7	326	1.69	62.1	62.7	63.1	61.3	
W	380.775	68.43	72.0	78.8	0.312	0.329	72%	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0.0	87.9	88.8	84.4	76.9	
N	380.775	4.27	4.5	4.9	0.312	0.329	4%	0.616	-0.348	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0	
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	180	1.0	49.5	50.0	50.0	50.0	

fed61-1a

XYZ_w=96.42, 100.0, 82.49

-74 Parameter:

L*_{CIE} 100 74

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o), C_{AB,2}=constcolour space (C_{AB,2}, L*_{CIE})

$$L^*_{CIE} = 116(Y/100)^{1/3} - 16 \quad (\gamma=0.8856) \text{ or}$$

$$L^*_{CIE} = 116[(841/108)(Y/100)+4/29]-16$$

Illumin. D50, Y_w=72.0, Y_c=4.5Name Range X_w Y_w Z_w X_c Y_c Z_c λ₁ λ₂ λ₃ λ₄ λ₅ λ₆ a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{CIE} L*_{AB,2} Y_F L*_{CIE} L*_{AB,2} L*_{TUV} L*_{Tar}

R	570.775	43.32	28.34	3.37	0.577	0.377	598	491	1.237	-0.047	0.645	41.0	20.0	45.7	25	1.57	60.2	60.8	61.2	59.7
Y	496.775	54.39	61.17	5.93	0.447	0.503	573	468	0.67	-0.038	0.291	2.0	44.5	44.5	87	3.39	82.4	83.3	80.4	74.3
G	496.770	14.96	36.87	5.9	0.259	0.638	538	235	-0.064	0.5	-39.0	24.5	46.1	147	2.04	67.1	67.8	67.8	65.0	
C	380.570	23.06	40.5	53.42	0.197	0.346	491	598	0.251	-0.527	0.451	-41.0	-20.0	45.7	20.5	2.25	69.8	70.5	70.1	66.9
B	380.496	11.99	76.7	50.86	0.17	0.108	468	573	0.552	-2.65	2.323	-2.0	-44.5	44.5	26.7	0.42	33.3	33.6	28.8	32.2
M	570.496	51.41	31.97	50.89	0.382	0.238	538	538	1.146	-0.636	0.577	39.0	-24.5	46.1	327	1.77	63.3	63.9	64.2	62.2
W	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	192	1.0	49.5	50.0	50.0	50.0	
N	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	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	

fed61-2a

XYZ_w=100.93, 100.0, 64.68

-74 Parameter:

L*_{CIE} 100 74

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

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

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

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

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

$$x_c = 0.110, B_c = 1.300$$

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

6 Ostwald colours (o), C_{AB,2}=constcolour space (C_{AB,2}, L*_{CIE})

$$L^*_{CIE} = 116(Y/100)^{1/3} - 16 \quad (\gamma=0.8856) \text{ or}$$

$$L^*_{CIE} = 116[(841/108)(Y/100)+4/29]-16$$

Illumin. P40, Y_w=72.0, Y_c=4.5Name Range X_w Y_w Z_w X_c Y_c Z_c λ₁ λ₂ λ₃ λ₄ λ₅ λ₆ a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{CIE} L*_{AB,2} Y_F L*_{CIE} L*_{AB,2} L*_{TUV} L*_{Tar}

R	573.775	46.72	29.04	2.64	0.595	0.37	600	493	1.311	-0.047	0.661	43.1	20.9	48.0	25	1.64	60.8	61.4	61.8	60.2
Y	498.775	59.11	61.97	5.08	0.468	0.491	576	468	0.729	-0.042	0.294	1.9	45.5	45.5	87	3.41	82.9	83.7	80.7	74.5
G	498.573	16.47	36.97	5.05	0.281	0.631	540	271	-0.071	0.518	-41.1	24.5	47.9	149	2.05	67.2	67.9	67.8	65.1	
C	380.573	22.76	49.8	41.89	0.217	0.381	493	600	0.283	-0.547	0.482	-43.1	-20.9	48.0	25.9	2.21	69.7	70.0	69.7	66.5
B	380.498	10.37	68.87	39.45	0.182	0.121	468	576	0.611	-2.983	2.649	-1.9	-45.5	45.5	26.7	0.38	31.5	31.8	26.0	30.2
M	573.498	53.01	31.87	39.47	0.426	0.256	540	540	1.234	-0.644	0.601	41.1	-24.5	47.9	329	1.77	63.2	63.8	64.1	62.1
W	380.775	72.67	72.0	46.57	0.379	0.376	72%	0.717	-0.336	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0	
N	380.775	4.54	4.5	2.91	0.379	0.376	4%	0.717	-0.336	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0	
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	180	1.0	49.5	50.0	50.0	50.0	

fed61-3a

XYZ_w=109.84, 99.99, 35.58

-74 Parameter:

L*_{CIE} 100 74

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

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

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

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

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

$$x_c = 0.110, B_c = 2.500$$

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

6 Ostwald colours (o), C_{AB,2}=constcolour space (C_{AB,2}, L*_{CIE})

$$L^*_{CIE} = 116(Y/100)^{1/3} - 16 \quad (\gamma=0.8856) \text{ or}$$

$$L^*_{CIE} = 116[(841/108)(Y/100)+4/29]-16$$

Illumin. A00, Y_w=72.0, Y_c=4.5Name Range X_w Y_w Z_w X_c Y_c Z_c λ₁ λ₂ λ₃ λ₄ λ₅ λ₆ a₂ b₂ c₂ A₂ B₂ C_{AB,2} L*_{CIE} L*_{AB,2} Y_F L*_{CIE} L*_{AB,2} L*_{TUV} L*_{Tar}

R	579.775	52.97	30.18	1.46	0.626	0.356	605	499	1.446	-0.048	0.699	46.6	23.1	52.0	26	1.67	61.8	62.4	62.8	61.0
Y	504.775	67.91	62.35	2.86	0.51	0.468	581	474	0.854	-0.045	0.311	4.0	48.3	48.4	85	3.64	83.1	83.9	80.8	74.6
G	504.579	19.38	36.22	2.83	0.31	0.619	547	307	-0.078	0.546	-42.6	25.1	49.4	149	2.01	66.6	67.3	67.3	64.7	
C	380.579	22.66	38.66	23.03	0.203	0.268	458	499	0.053	-0.595	0.539	-46.6	-23.1	52.0	20.6	2.14	68.5	69.2	69.0	66.0
B	380.504	7.71	6.49	61.63	0.215	0.181	474	581	0.581	-3.332	2.986	-4.0	-48.3	48.4	26.5	0.36	30.9	30.4	24.6	29.2
M	579.504	56.24	32.62	21.66	0.508	0.295	547	547	1.351	-0.664	0.660	42.6	-25.1	49.4	329	1.81	63.8	63.8	64.5	62.6
W	380.775	79.09	71.99	25.61	0.447	0.407	72%	0.828	-0.355	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0	
N	380.775	4.44	4.5	1.61	0.447	0.407	4%	0.828	-0.355	0.01	0.0	0.0	0.0	180	0.25	25.2	25.5	15.5	23.0	
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	180	1.0	49.5	50.0	50.0	50.0	

fed61-4a

fed60-7R_R