

XYZ_w=97.06, 99.99, 104.57A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P60, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	569, 775	79.97	70.08	52.41	0.3949	0.5461	0.96	489		
G	494, 775	88.45	97.34	55.59	0.3664	0.4032	571	463		
B	494, 569	57.61	77.35	55.57	0.3005	0.407	535	535c		
C _y	380, 549	65.77	80.06	104.6	0.2626	0.3197	489	596		
M _y	380, 494	57.28	52.8	101.42	0.2708	0.2996	463	571		
M ₀	569, 494	88.64	72.79	101.44	0.3371	0.2769	535	535		
W _y	380, 775	97.06	99.99	104.57	0.3218	0.3315	100%			
N _y	380, 775	48.53	49.99	52.28	0.3218	0.3315	50%			
Z _y	380, 775	17.47	17.99	18.02	0.3218	0.3315	18%			

Parameter:

Y & Name

Illuminant P60

Y_w=100, Y_N=50XYZ_w=97.45, 100.0, 95.98A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P55, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	569, 775	68.08	70.17	48.11	0.4028	0.524	597	490		
G	494, 775	88.6	97.41	51.05	0.3763	0.4091	572	464		
B	494, 569	57.61	77.34	51.02	0.3098	0.4158	536	536c		
C _y	380, 549	65.52	79.97	96.0	0.2713	0.3111	490	597		
M _y	380, 494	56.73	52.73	93.07	0.2801	0.2603	464	572		
M ₀	569, 494	88.71	72.8	93.09	0.3484	0.2659	536	536		
W _y	380, 775	97.45	100.0	95.98	0.3321	0.3407	100%			
N _y	380, 775	48.72	50.0	47.99	0.3321	0.3407	50%			
Z _y	380, 775	17.54	18.0	17.27	0.3321	0.3407	18%			

Parameter:

Y & Name

Illuminant P55

Y_w=100, Y_N=50XYZ_w=98.12, 100.0, 86.5A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P50, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	569, 775	68.13	43.85	0.184	0.5554	0.61	492			
G	495, 775	91.07	97.01	45.35	0.3901	0.4155	573	467		
B	495, 570	60.02	78.98	45.33	0.3256	0.4284	542	542c		
C _y	380, 572	67.12	82.01	86.52	0.2848	0.348	491	617		
M _y	380, 495	56.25	53.13	84.52	0.2901	0.2739	467	573		
M ₀	570, 495	87.3	71.16	84.54	0.3592	0.2928	542	542		
W _y	380, 775	98.12	100.0	86.5	0.3447	0.3513	100%			
N _y	380, 775	49.06	50.0	43.25	0.3447	0.3513	50%			
Z _y	380, 775	17.66	18.0	15.57	0.3447	0.3513	18%			

Parameter:

Y & Name

Illuminant P50

Y_w=100, Y_N=50XYZ_w=99.2, 100.0, 76.07A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P45, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	492, 775	62.76	69.24	38.07	0.4343	0.3651	600	492		
G	492, 775	93.08	97.41	40.21	0.4034	0.4222	574	462		
B	492, 572	60.02	77.97	40.19	0.3368	0.4375	541	541c		
C _y	380, 572	66.18	80.6	76.08	0.2969	0.3616	492	600		
M _y	380, 492	56.25	53.13	74.0	0.3059	0.2887	467	574		
M ₀	572, 492	88.33	72.17	74.02	0.3702	0.3080	541	541		
W _y	380, 775	99.2	100.0	76.07	0.3603	0.3632	100%			
N _y	380, 775	49.6	50.0	38.03	0.3603	0.3632	50%			
Z _y	380, 775	17.85	18.0	13.69	0.3603	0.3632	18%			

Parameter:

Y & Name

Illuminant P45

Y_w=100, Y_N=50XYZ_w=100.93, 100.0, 64.68A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P40, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	523, 775	65.85	70.05	32.43	0.4549	0.3743	600	493		
G	495, 775	95.81	97.72	34.43	0.4202	0.4286	576	468		
B	498, 573	60.75	77.17	34.41	0.3525	0.4477	540	540c		
C _y	380, 573	65.92	79.49	64.69	0.3137	0.3783	493	600		
M _y	380, 498	55.73	52.42	62.69	0.3262	0.3068	468	576		
M ₀	573, 498	90.79	72.97	62.71	0.4098	0.3222	540	540		
W _y	380, 775	100.93	100.0	64.68	0.3799	0.3764	100%			
N _y	380, 775	50.16	50.0	32.34	0.3799	0.3764	50%			
Z _y	380, 775	18.46	18.0	11.64	0.3799	0.3764	18%			

Parameter:

Y & Name

Illuminant P40

Y_w=100, Y_N=50XYZ_w=103.66, 99.99, 52.43A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P35, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	575, 775	65.85	68.08	26.8	0.4708	0.3787	605	496		
G	500, 775	99.6	97.31	27.49	0.4438	0.4336	578	472		
B	500, 575	64.68	78.42	27.47	0.3791	0.4597	548	548c		
C _y	380, 575	68.8	81.16	52.44	0.3399	0.4009	496	605		
M _y	380, 500	56.85	52.83	51.52	0.35	0.3259	472	578		
M ₀	575, 500	99.97	71.72	51.25	0.4251	0.3652	548	548		
W _y	380, 775	103.66	99.99	52.43	0.4047	0.3904	100%			
N _y	380, 775	51.83	49.99	26.21	0.4047	0.3904	50%			
Z _y	380, 775	18.66	18.0	9.43	0.4047	0.3904	18%			

Parameter:

Y & Name

Illuminant P35

Y_w=100, Y_N=50XYZ_w=108.04, 100.0, 39.55A = 2.5 (a - a_y) YB = 2.5 B_y (b - b_y) Ya = a₂₀ [(x - x_y)/y]b = b₂₀ [z/y]a₂₀ = 1, b₂₀ = -0.4x_c = 0.000, B_c = 1.000C_{AB}=[A²+B²]^{1/2}

6 Oswald colours (e)

of maximum (m) C_{AB} in
chromatic value diagram (A, B)¹⁰⁰Illumin. P30, Y_w=100, Y_N=50

Name	Range	X _y	Y _y	Z _y	X _c	Y _c	Z _c	X _N	Y _N	Z _N
R	578, 775	93.17	71.4	18.81	0.5052	0.3971	604	486		
G	500, 775	105.08	98.21	0.9	0.4687	0.4371	590	478		
B	503, 578	66.03	76.7	21.07	0.4031	0.4682	546	546c		