

$X_{TZA} = 95.04, 100.0, 108.89$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 0.800$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. D65,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	507.735	63.21	44.18	11.04	0.5337	0.373	906.409	3		
Y	493.775	69.93	94.84	17.06	0.4135	0.4909	570.463			
G	493.567	25.32	60.76	17.02	0.2455	0.5892	535.536			
C <sub>1</sub>	380.567	41.44	65.92	118.82	0.1916	0.3048	489.596			
R <sub>2</sub>	380.490	25.71	15.26	102.83	0.1788	0.1051	605.463			
M	507.493	79.33	49.34	102.70	0.3426	0.3121	535.535			
W	380.775	95.04	100.0	108.89	0.9127	0.3339	1000.0			
N <sub>2</sub>	380.775	9.5	10.0	10.88	0.3127	0.329	10.0			
Z <sub>2</sub>	380.775	17.1	18.0	19.6	0.6128	0.329	18.0			

Parameter:  
Y & Name  
Illuminant D65  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 96.42, 100.0, 122.49$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 1.000$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. D50,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	570.735	64.08	46.05	8.47	0.5357	0.5759	996.517	3		
Y	496.775	84.45	94.64	12.16	0.4415	0.4948	573.468			
G	496.570	26.11	58.68	12.12	0.2094	0.6055	538.536			
C <sub>1</sub>	380.570	38.00	64.05	82.46	0.2063	0.3409	491.598			
R <sub>2</sub>	380.496	21.71	15.46	78.47	0.1874	0.1334	608.473			
M	570.496	80.05	51.42	78.71	0.3808	0.2446	538.538			
W	380.775	96.42	100.0	122.49	0.8437	0.3585	1000.0			
N <sub>2</sub>	380.775	9.64	10.0	8.24	0.3456	0.3588	10.0			
Z <sub>2</sub>	380.775	17.35	18.0	14.84	0.3457	0.3588	18.0			

Parameter:  
Y & Name  
Illuminant D50  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 100.93, 100.0, 64.68$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 1.300$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. P40,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	507.775	67.61	47.62	10.73	0.5773	0.708	600.403	3		
Y	498.775	91.64	95.82	10.18	0.4636	0.4848	576.468			
G	498.573	28.53	58.83	10.14	0.2925	0.6033	540.540			
C <sub>1</sub>	380.578	37.83	63.01	64.65	0.2285	0.3807	493.603			
R <sub>2</sub>	380.498	19.49	14.23	61.04	0.2055	0.1506	608.576			
M	573.498	82.6	57.11	61.08	0.4236	0.2629	540.540			
W	380.775	100.93	100.0	64.68	0.7399	0.3764	1000.0			
N <sub>2</sub>	380.775	10.09	10.0	6.46	0.3799	0.3764	10.0			
Z <sub>2</sub>	380.775	18.16	18.0	11.64	0.3799	0.3764	18.0			

Parameter:  
Y & Name  
Illuminant P40  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 109.84, 99.99, 35.58$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 2.500$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. A00,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	504.775	62.91	48.77	6.99	0.6127	0.6334	609.509	3		
Y	504.775	105.0286	3.69	5.69	0.507	0.4654	581.474			
G	504.579	33.2	57.71	5.65	0.3437	0.5976	547.547			
C <sub>1</sub>	380.579	38.03	61.33	35.54	0.2819	0.4545	499.605			
R <sub>2</sub>	380.504	19.53	13.71	34.48	0.2523	0.172	614.474			
M	579.504	87.25	52.39	33.52	0.5052	0.3036	547.547			
W	380.775	109.84	99.99	35.58	0.4475	0.4074	1000.0			
N <sub>2</sub>	380.775	10.98	9.99	3.55	0.4475	0.4074	10.0			
Z <sub>2</sub>	380.775	19.77	17.99	6.4	0.4475	0.4074	18.0			

Parameter:  
Y & Name  
Illuminant A00  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 100.0, 100.0, 100.0$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 0.900$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. E00,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	507.775	68.94	46.4	10.14	0.5947	0.6098	609.409	3		
Y	494.775	85.05	95.34	15.49	0.4341	0.4867	573.463			
G	494.570	26.12	59.04	15.45	0.2601	0.5863	536.536			
C <sub>1</sub>	380.570	41.6	63.7	99.96	0.2009	0.311	489.603			
R <sub>2</sub>	380.494	25.06	14.76	94.61	0.1864	0.1098	603.463			
M	572.494	83.9	51.06	94.65	0.3654	0.2223	536.536			
W	380.775	100.0	100.0	100.0	0.3333	0.3333	1000.0			
N <sub>2</sub>	380.775	10.0	10.0	10.0	0.3333	0.3333	10.0			
Z <sub>2</sub>	380.775	18.0	18.0	18.0	0.3333	0.3333	18.0			

Parameter:  
Y & Name  
Illuminant E00  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 98.07, 100.0, 118.22$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 0.700$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. C00,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	507.775	64.91	45.56	11.48	0.5209	0.571	967.507	3		
Y	492.775	80.42	94.63	11.87	0.4162	0.4897	571.463			
G	492.567	25.41	59.36	11.82	0.2469	0.5785	535.536			
C <sub>1</sub>	380.567	43.07	64.74	118.19	0.1905	0.2864	487.596			
R <sub>2</sub>	380.492	23.56	15.47	112.0	0.1777	0.0999	603.571			
M	507.492	82.57	50.74	112.04	0.3660	0.2668	535.535			
W	380.775	98.07	100.0	118.22	0.3161	0.3161	1000.0			
N <sub>2</sub>	380.775	9.8	10.0	11.82	0.3161	0.3161	10.0			
Z <sub>2</sub>	380.775	17.65	18.0	21.28	0.3161	0.3161	18.0			

Parameter:  
Y & Name  
Illuminant C00  
 $Y_W = 100, Y_N = 10$

$X_{TZA} = 102.06, 100.0, 81.06$

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

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

$a_2 = a_{2a} [(x - x_c) / y]$

$b_2 = b_{2a} [z / y]$

$a_{2a} = 1, b_{2a} = -0.4$

$x_c = 0.110, B_2 = 1.000$

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

6 Oswald colours (o)

of maximum (m)  $C_{AB}$  in

linear colour space ( $C_{AB,2} Y$ )

Illumin. P00,  $Y_W = 100, Y_N = 10$

Name	Range	$x_1$	$y_1$	$z_1$	$x_2$	$y_2$	$z_2$	$x_3$	$y_3$	$z_3$
R	507.775	72.33	46.59	8.12	0.5688	0.5644	609.409	3		
Y	496.775	90.07	95.04	11.7	0.4576	0.4828	575.467			
G	496.572	28.05	58.54	11.66	0.2854	0.5958	541.540			
C <sub>1</sub>	380.572	40.05	63.51	81.02	0.2169	0.344	491.603			
R <sub>2</sub>	380.496	22.3	15.06	77.55	0.194	0.1311	607.575			
M	572.496	84.33	51.5	77.59	0.395	0.2415	541.541			
W	380.775	102.06	100.0	81.06	0.3604	0.3531	1000.0			
N <sub>2</sub>	380.775	10.2	10.0	8.1	0.3604	0.3531	10.0			