

XYZ_w=95.04, 100.0, 108.89

A₂ = 2,5 (a₂ - a_{2,n}) Y

B₂ = 2,5 (b₂ - b_{2,n}) Y

a₂ = a₂₀ [(x - x_c) / y]

b₂ = b₂₀ B₂ [z / y]

a₂₀ = 1, b₂₀ = -0,4

x_c = 0,110, B = 0,800

C_{AB2} = [A₂² + B₂²]^{1/2}

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

Farbenraum (C_{AB,2} > L*_{Cir})

L*_{Cir} = L*_{CIE}(Y) / L*_{CIE}(18)

Lichtart D65, Y_w = 54.0, Y_n = 6.0

Name	Bereich	X	Y	Z	x _λ	y _λ	z _λ	a ₂	b ₂	c ₂	A ₂	B ₂	C _{AB,2}	L* _{Cir}	L* _{CIE}	L* _{Cir}	L* _{TUV}	L* _{Tar}			
R	567,775	30.89	21.77	5.9	0.527	0.371	0.196	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	0.411	0.493	0.570	463	0.61	-0.061	0.287	-0.5	33.1	31.0	27	1.56	23.6	24.3	23.3	19.3	
G	493,567	12.68	29.74	8.77	0.247	0.58	0.535	535	0.237	-0.094	0.456	-28.1	18.8	33.9	13.9	1.65	11.4	12.0	12.4	10.7	
C	380,567	20.43	32.22	52.9	0.193	0.305	0.489	596	0.273	-0.525	0.385	-27.5	-14.2	31.0	20.7	1.79	13.5	14.1	14.4	12.3	
B	380,493	12.87	7.88	50.0	0.181	0.111	0.463	570	0.646	-2.03	1.682	0.5	-33.1	33.1	27.1	0.43	-16.2	-15.9	-20.5	-17.2	
M	507,493	38.63	24.25	50.0	0.202	0.342	0.214	535	3.535	1.08	-0.659	0.559	28.1	-18.8	33.9	3.26	1.34	6.3	6.9	7.4	
W	380,775	51.32	54.0	58.8	0.312	0.329	0.546	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	5.7	6.0	6.53	0.312	0.329	0.6	0.616	-0.348	0.01	0.0	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	0.0	180	1.0	-0.4	0.0	0.0	

fig21-5a

XYZ_w=100.93, 100.0, 64.68

A₂ = 2,5 (a₂ - a_{2,n}) Y

B₂ = 2,5 (b₂ - b_{2,n}) Y

a₂ = a₂₀ [(x - x_c) / y]

b₂ = b₂₀ B₂ [z / y]

a₂₀ = 1, b₂₀ = -0,4

x_c = 0,110, B = 1,300

C_{AB2} = [A₂² + B₂²]^{1/2}

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

Farbenraum (C_{AB,2} > L*_{Cir})

L*_{Cir} = L*_{CIE}(Y) / L*_{CIE}(18)

Lichtart P40, Y_w = 54.0, Y_n = 6.0

Name	Bereich	X	Y	Z	x _λ	y _λ	z _λ	a ₂	b ₂	c ₂	A ₂	B ₂	C _{AB,2}	L* _{Cir}	L* _{CIE}	L* _{Cir}	L* _{TUV}	L* _{Tar}			
R	573,775	35.77	23.17	3.51	0.572	0.371	0.160	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	0.576	468	0.729	-0.058	0.278	1.4	32.3	32.3	8.7	1.58	23.9	24.6	23.2	19.5	
G	498,573	14.26	28.81	5.22	0.295	0.596	0.540	31.0	0.0	-0.094	0.473	-29.2	17.4	34.0	14.9	1.6	10.6	11.2	11.6	10.0	
C	380,573	18.72	30.82	31.41	0.231	0.38	0.493	600	0.318	-0.529	0.443	-30.7	-14.9	34.1	20.5	1.71	12.3	12.9	13.3	11.4	
B	380,498	9.91	7.4	29.68	0.21	0.157	0.468	576	0.64	-2.083	1.748	-1.4	-32.3	32.3	26.7	0.41	-17.2	-16.9	-22.0	-18.3	
M	573,498	40.24	25.18	29.7	0.423	0.264	0.540	540	1.182	-0.613	0.541	29.2	-17.4	34.0	32.9	1.39	7.2	7.8	8.3	7.2	
W	380,775	54.5	54.0	34.93	0.379	0.376	0.546	0.717	-0.336	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	6.05	6.0	6.88	0.379	0.376	0.6	0.717	-0.336	0.01	0.0	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	0.0	163	1.0	-0.4	0.0	0.0	

fig21-7a

fig20-7R_R

XYZ_w=96.42, 100.0, 82.49

A₂ = 2,5 (a₂ - a_{2,n}) Y

B₂ = 2,5 (b₂ - b_{2,n}) Y

a₂ = a₂₀ [(x - x_c) / y]

b₂ = b₂₀ B₂ [z / y]

a₂₀ = 1, b₂₀ = -0,4

x_c = 0,110, B = 1,000

C_{AB2} = [A₂² + B₂²]^{1/2}

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

Farbenraum (C_{AB,2} > L*_{Cir})

L*_{Cir} = L*_{CIE}(Y) / L*_{CIE}(18)

Lichtart D50, Y_w = 54.0, Y_n = 6.0

Name	Bereich	X	Y	Z	x _λ	y _λ	z _λ	a ₂	b ₂	c ₂	A ₂	B ₂	C _{AB,2}	L* _{Cir}	L* _{CIE}	L* _{Cir}	L* _{TUV}	L* _{Tar}			
R	570,775	33.24	22.67	4.47	0.55	0.375	0.196	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	0.573	468	0.609	-0.054	0.275	1.4	31.6	31.7	8.7	1.55	23.5	24.3	23.3	19.3	
G	496,570	13.07	28.74	6.27	0.271	0.597	0.538	230	0.27	-0.087	0.456	-27.7	17.4	32.8	14.7	1.59	10.5	11.1	11.6	10.0	
C	380,570	10.82	31.32	40.07	0.208	0.347	0.491	598	0.284	-0.511	0.415	-29.2	-14.2	32.5	20.5	1.74	12.7	13.4	13.7	11.8	
B	380,496	11.96	7.97	38.25	0.191	0.139	0.468	573	0.585	-1.917	1.589	-1.4	-31.6	31.7	26.7	0.44	-16.0	-15.7	-20.2	-16.9	
M	570,496	38.99	25.25	38.27	0.38	0.246	0.538	538	1.097	-0.606	0.519	27.7	-17.4	32.8	32.7	1.4	7.3	7.9	8.4	7.3	
W	380,775	52.06	54.0	44.54	0.345	0.358	0.546	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	0.6	0.657	-0.329	0.01	0.0	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	0.0	201	1.0	-0.4	0.0	0.0	

fig21-6a

XYZ_w=109.84, 99.99, 35.58

A₂ = 2,5 (a₂ - a_{2,n}) Y

B₂ = 2,5 (b₂ - b_{2,n}) Y

a₂ = a₂₀ [(x - x_c) / y]

b₂ = b₂₀ B₂ [z / y]

a₂₀ = 1, b₂₀ = -0,4

x_c = 0,110, B = 2,500

C_{AB2} = [A₂² + B₂²]^{1/2}

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

Farbenraum (C_{AB,2} > L*_{Cir})

L*_{Cir} = L*_{CIE}(Y) / L*_{CIE}(18)

Lichtart A00, Y_w = 54.0, Y_n = 6.0

Name	Bereich	X	Y	Z	x _λ	y _λ	z _λ	a ₂	b ₂	c ₂	A ₂	B ₂	C _{AB,2}	L* _{Cir}	L* _{CIE}	L* _{Cir}	L* _{TUV}	L* _{Tar}			
R	579,775	40.44	23.98	1.93	0.609	0.361	0.05	499	1.381	-0.08	0.618	31.3	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	0.81	474	0.852	-0.062	0.294	2.8	34.3	34.4	8.5	2.6	24.1	24.8	25.7	19.6	
G	504,579	16.55	28.28	2.91	0.346	0.592	0.547	390	0.36	-0.103	0.497	-30.3	17.8	35.1	14.9	1.57	10.1	10.7	11.2	9.6	
C	380,579	18.87	30.01	17.27	0.285	0.453	0.499	605	0.386	-0.575	0.499	-33.1	-16.4	37.0	20.6	1.66	11.6	12.2	12.7	10.9	
B	380,504	8.25	7.13	16.28	0.26	0.225	0.474	581	0.688	-2.281	1.932	-2.8	-34.3	34.4	26.5	0.39	-17.8	-17.5	-22.9	-19.0	
M	579,504	42.76	25.16	16.3	0.504	0.303	0.547	547	1.3	-0.633	0.547	30.3	-17.8	35.1	32.9	1.42	7.7	8.3	8.8	7.6	
W	380,775	59.31	53.99	19.21	0.447	0.407	0.546	0.828	-0.355	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	5.9	6.0	5.99	0.447	0.407	0.6	0.828	-0.355	0.01	0.0	0.0	0.0	0.0	0.0	176	0.33	-20.5	-20.2	-27.3	-22.1
U	380,775	19.77	19.99	6.4	0.447	0.407	18%	0.828	-0.355	0.01	0.0	0.0	0.0	0.0	0.0	163	1.0	-0.4	0.0	0.0	

fig21-8a