

XYZ_w=95.04, 100.0, 108.89

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 (b_2 - b_{2,n}) Y$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 0,800$$

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

6 Ostwald-Farben (o), C_{AB,2}=constFarbenraum (C_{AB,2} L_{CIE}^{*})

$$L_{CIE}^* = 116(Y/100)^{1/3} - 16 \quad (\gamma = 0,8856) \text{ oder}$$

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

Lichtart D65, Y_w=90.0, Y_N=3.6Name Bereich X Y Z x_λ λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L_{CIE}^{*} L_{CIE}^{*} Y_F L_{CIE}^{*} L_{CIE}^{*} L_{CIE}^{*} L_{TUV}^{*} L_{Tar}^{*}

R	507	775	49	44	32	71	3.56	0.576	0.381	596	489	1.223	-0.034	0.683	49.6	25.6	55.8	27	1.81	63.9	64.5	64.8	62.6
Y	493	775	63	04	76	53	8.77	0.424	0.515	570	463	0.61	-0.036	0.311	-1.0	59.6	59.6	9.1	4.25	90.1	91.0	85.6	77.8
G	493	567	16	07	40	05	8.74	0.235	0.649	535	530	0.184	-0.059	0.519	-0.07	33.6	61.0	146	26.1	74.2	74.9	73.8	69.7
C	380	567	30	61	51	52	88.16	0.179	0.302	489	596	0.23	-0.547	0.433	-49.6	-25.6	55.8	207	2.86	76.9	77.7	76.1	71.3
B	380	493	17	01	7.7	82.95	0.158	0.071	463	570	0.671	-3.444	3.096	1.0	-59.6	59.6	271	0.42	33.3	33.7	28.9	32.0	
M	567	493	63	38	37.18	92.98	0.345	0.202	535	535	1.161	-0.714	0.656	50.7	-33.9	61.0	326	2.06	67.4	68.0	68.0	65.2	
W	380	775	85	53	90.0	80.0	0.312	0.329	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1		
N	380	775	3.42	3.6	3.92	0.312	0.329	3.6	0.616	-0.348	0.01	0.0	0.0	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8	
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	0.0	0.0	184	1.0	49.5	50.0	50.0	50.0	

fig60-5a

XYZ_w=96.42, 100.0, 82.49

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 (b_2 - b_{2,n}) Y$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,000$$

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

6 Ostwald-Farben (o), C_{AB,2}=constFarbenraum (C_{AB,2} L_{CIE}^{*})

$$L_{CIE}^* = 116(Y/100)^{1/3} - 16 \quad (\gamma = 0,8856) \text{ oder}$$

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

Lichtart D50, Y_w=90.0, Y_N=3.6Name Bereich X Y Z x_λ λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L_{CIE}^{*} L_{CIE}^{*} Y_F L_{CIE}^{*} L_{CIE}^{*} L_{CIE}^{*} L_{TUV}^{*} L_{Tar}^{*}

R	570	775	53	58	34	33	2.71	0.591	0.378	598	491	1.27	-0.031	0.681	52.5	25.6	58.5	25	1.9	65.2	65.8	66.0	63.6
Y	496	775	67	74	76	35	5.98	0.451	0.508	573	468	0.67	-0.031	0.299	25	57.0	57.0	87	4.24	90.7	90.9	85.9	77.8
G	496	570	12	28	45	05	8.75	0.252	0.66	538	538	0.215	-0.052	0.521	-0.00	31.3	59.0	147	25.1	73.0	73.8	72.9	69.0
C	380	570	27	64	49	6	68.78	0.191	0.345	491	598	0.235	-0.535	0.469	-52.5	-25.6	58.5	205	2.77	76.0	76.7	75.3	70.7
B	380	496	13	48	7.88	63.5	0.158	0.092	468	573	0.526	-3.223	2.896	-2.5	-57.0	57.0	267	0.43	33.7	34.0	29.4	32.7	
M	570	496	63	94	38	97	63.54	0.384	0.234	538	538	1.17	-0.652	0.606	50.0	-31.3	59.0	327	2.16	68.7	69.4	69.2	66.1
W	380	775	86	78	90.0	74.24	0.345	0.358	90.0	0.657	-0.329	0.01	0.0	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1		
N	380	775	3.47	3.6	2.96	0.345	0.358	3.6	0.657	-0.329	0.01	0.0	0.0	0.0	0.0	0.0	181	0.19	22.3	22.5	10.0	19.8	
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	186	1.0	49.5	50.0	50.0	50.0	

fig60-6a

XYZ_w=100.93, 100.0, 64.68

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 (b_2 - b_{2,n}) Y$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,300$$

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

6 Ostwald-Farben (o), C_{AB,2}=constFarbenraum (C_{AB,2} L_{CIE}^{*})

$$L_{CIE}^* = 116(Y/100)^{1/3} - 16 \quad (\gamma = 0,8856) \text{ oder}$$

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

Lichtart P40, Y_w=90.0, Y_N=3.6Name Bereich X Y Z x_λ λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L_{CIE}^{*} L_{CIE}^{*} Y_F L_{CIE}^{*} L_{CIE}^{*} L_{CIE}^{*} L_{TUV}^{*} L_{Tar}^{*}

R	573	775	57	85	32	2.13	0.607	0.37	600	493	1.344	-0.031	0.697	55.2	26.8	61.4	25	1.95	65.9	66.5	66.6	64.1	
Y	498	775	73	71	73	5.28	0.471	0.494	576	468	0.73	-0.035	0.301	2.5	58.2	58.3	87	4.29	90.4	91.4	86.2	78.0	
G	498	573	17	42	45	39	2.21	0.274	0.65	540	540	0.25	-0.059	0.514	-0.07	31.3	61.3	149	25.2	73.1	73.8	72.9	69.0
C	380	573	21	49	40	52.36	0.211	0.381	493	600	0.265	-0.555	0.501	-55.2	-26.8	61.4	205	2.72	75.4	76.2	74.8	70.0	
B	380	498	11	61	6.85	49.24	0.167	0.101	468	576	0.568	-3.733	3.4	-2.5	-58.2	58.3	267	0.38	31.4	31.8	26.0	30.1	
M	573	498	65	89	38.84	49.27	0.427	0.252	540	540	1.26	-0.659	0.631	52.7	-31.3	61.3	329	2.15	68.6	69.3	69.1	66.1	
W	380	775	90	83	90.0	58.22	0.379	0.376	90.0	0.717	-0.336	0.01	0.0	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1		
N	380	775	3.63	3.6	2.32	0.379	0.376	3.6	0.717	-0.336	0.01	0.0	0.0	0.0	0.0	0.0	180	0.19	22.3	22.5	9.9	19.8	
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	169	1.0	49.5	50.0	50.0	50.0	

fig60-7a

XYZ_w=109.84, 99.99, 35.58

$$A_2 = 2,5 (a_2 - a_{2,n}) Y$$

$$B_2 = 2,5 (b_2 - b_{2,n}) Y$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 2,500$$

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

6 Ostwald-Farben (o), C_{AB,2}=constFarbenraum (C_{AB,2} L_{CIE}^{*})

$$L_{CIE}^* = 116(Y/100)^{1/3} - 16 \quad (\gamma = 0,8856) \text{ oder}$$

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

Lichtart A00, Y_w=90.0, Y_N=3.6Name Bereich X Y Z x_λ λ_c a₂ b₂ c₂ A₂ B₂ C_{AB,2} L_{CIE}^{*} L_{CIE}^{*} Y_F L_{CIE}^{*} L_{CIE}^{*} L_{CIE}^{*} L_{TUV}^{*} L_{Tar}^{*}

R	579	775	65	67	36	1.18	0.634	0.354	605	499	1.479	-0.032	0.727	59.7	26.9	66.6	26	2.03	67.0	67.7	67.6	64.9	
Y	504	775	84	79	77	87	2.96	0.511	0.47	581	474	0.854	-0.038	0.318	5.1	61.8	62.0	85	4.32	90.7	91.6	86.6	78.0
G	504	579	22	67	44	29	3.93	0.323	0.634	547	547	0.337	-0.066	0.57	-54.5	32.1	63.3	149	24.6	72.5	73.2	72.4	68.6
C	380	579	26	86	47.55	28.9	0.226	0.46	499	605	0.326	-0.605	0.561	-59.7	-29.6	66.6	206	2.64	74.5	75.2	74.1	69.9	
B	380	504	7.74	6.36	2.70	0.188	0.154	474	581	0.505	-4.241	3.898	-5.1	-61.8	62.0	265	0.35	30.3	30.6	24.1	28.8		
M	579	504	69	85	39.81	27.03	0.51	0.291	547	547	1.376	-0.679	0.636	54.5	-32.1	63.3	329	2.21	69.3	70.0	69.7	66.5	
W	380	775	98	86	89	99	32.02	0.447	0.407	90.0	0.828	-0.355	0.01	0.0	0.0	0.0	4.99	95.9	96.9	90.0	80.1		
N	380	775	3.95	3.6	2.99	0.447	0.407	3.6	0.828	-0.355	0.01	0.0	0.0	0.0	0.0	0.0	181	0.19	22.3	22.5	9.9	19.8	
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	0.0	180	1.0	49.5	50.0	50.0	50.0	

fig60-8a

fig60-7R_R