

Colorimetric data of "Standard Original": Offset Reflective System ORS18 for CIE lightness $L^*=18$ of black and illuminant D65

System ORS18

(Reflective CIE, $Y_N=2.52$
and CIELAB zero point)
(CIELAB according
to ISO/IEC 15775)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_{ab}=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	50.57	68.08	52.6	86.03	34.03	18.9	3.27	0.6054	0.3363	0.2134
Y	94.75	-10.68	95.53	96.13	77.29	87.04	11.83	0.4388	0.4941	0.9824
L (G)	53.66	-65.42	36.4	74.87	9.84	21.65	7.98	0.2494	0.5485	0.2444
C	61.69	-31.59	-46.87	56.53	21.21	30.05	80.49	0.161	0.2281	0.3392
V (B)	27.44	32.38	-46.23	56.45	8.05	5.25	24.19	0.2148	0.14	0.0593
M	50.77	78.38	-8.7	78.86	37.34	19.07	25.85	0.4539	0.2319	0.2153
N	18.01	0.5	-0.46	0.69	2.42	2.52	2.81	0.3122	0.3252	0.0284
W	95.41	-0.98	4.76	4.86	83.68	88.6	89.47	0.3197	0.3385	1.0
N0	0.01	0.84	-1.68	1.89	0.02	0.0	0.12	0.1518	0.0078	0.0
W1	100.0	-1.07	5.06	5.17	94.43	100.0	100.83	0.3198	0.3387	1.1288

Calculated colorimetric data: Offset Luminous Systems OLSxxa for CIE lightness $L^*=xx=00, 06, 11, 18$, Illuminant D65, adapted (a)

System OLS00a

(Display reflection
 $Y_r=0.0$)

Color	$L^*_a=LAB^*_a1$	$a^*_a=LAB^*_a2$	$b^*_a=LAB^*_a3$	$C^*_{ar}=LAB^*_ar$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	48.09	73.75	70.99	102.36	32.6 (=32.6+0.0)	16.86 (=16.86+0.0)	0.83 (=0.83+0.0)	0.6481	0.3353	0.1903
Y	94.73	-10.0	97.09	97.61	77.58 (=77.58+0.0)	86.99 (=86.99+0.0)	11.24 (=11.24+0.0)	0.4413	0.4948	0.9819
L (G)	51.49	-74.61	40.36	84.84	7.69 (=7.69+0.0)	19.69 (=19.69+0.0)	5.97 (=5.97+0.0)	0.2306	0.5903	0.2223
C	60.19	-33.78	-51.68	61.75	19.44 (=19.44+0.0)	28.33 (=28.33+0.0)	83.48 (=83.48+0.0)	0.1481	0.2159	0.3198
V (B)	19.27	44.69	-56.86	72.32	5.79 (=5.79+0.0)	2.81 (=2.81+0.0)	22.18 (=22.18+0.0)	0.1881	0.0913	0.0317
M	48.31	84.6	-11.45	85.38	36.01 (=36.01+0.0)	17.04 (=17.04+0.0)	24.92 (=24.92+0.0)	0.4618	0.2185	0.1923
N	0.0	0.0	0.0	0.0	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.256	0.3514	0.0
W	95.41	0.0	0.0	0.0	84.2 (=84.2+0.0)	88.6 (=88.6+0.0)	96.46 (=96.46+0.0)	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.0	-2.45 (= -2.45+0.0)	-2.58 (= -2.58+0.0)	-2.81 (= -2.81+0.0)	0.3127	0.329	-0.0292
W1	100.13	0.0	0.0	0.01	95.36 (=95.36+0.0)	100.34 (=100.34+0.0)	109.26 (=109.26+0.0)	0.3127	0.329	1.1325

System OLS06a

(Display reflection
 $Y_r=0.63$)

Color	$L^*_a=LAB^*_a1$	$a^*_a=LAB^*_a2$	$b^*_a=LAB^*_a3$	$C^*_{ar}=LAB^*_ar$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	48.73	72.3	63.51	96.23	32.96 (=32.36+0.6)	17.37 (=16.74+0.63)	1.51 (=0.83+0.69)	0.6357	0.3351	0.1961
Y	94.74	-9.92	95.44	95.96	77.63 (=77.03+0.6)	87.0 (=86.37+0.63)	11.85 (=11.16+0.69)	0.4399	0.493	0.982
L (G)	52.04	-72.02	38.68	81.76	8.24 (=7.64+0.6)	20.18 (=19.55+0.63)	6.62 (=5.93+0.69)	0.2351	0.5761	0.2278
C	60.57	-33.12	-51.09	60.9	19.9 (=19.3+0.6)	28.76 (=28.13+0.63)	83.57 (=82.88+0.69)	0.1505	0.2175	0.3246
V (B)	21.66	40.53	-53.67	67.26	6.35 (=5.75+0.6)	3.42 (=2.79+0.63)	22.71 (=22.02+0.69)	0.1954	0.1054	0.0386
M	48.94	83.01	-11.18	83.77	36.35 (=35.75+0.6)	17.55 (=16.92+0.63)	25.43 (=24.74+0.69)	0.4582	0.2212	0.1981
N	5.69	0.0	0.0	0.0	0.6 (=0.0+0.6)	0.63 (=0.0+0.63)	0.69 (=0.0+0.69)	0.3127	0.329	0.0071
W	95.41	0.0	0.0	0.0	84.2 (=83.6+0.6)	88.6 (=87.97+0.63)	96.46 (=95.78+0.69)	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.0	-1.84 (= -2.44+0.6)	-1.93 (= -2.56+0.63)	-2.11 (= -2.79+0.69)	0.3128	0.329	-0.0218
W1	100.1	0.0	0.0	0.01	95.28 (=94.68+0.6)	100.25 (=99.62+0.63)	109.17 (=108.49+0.69)	0.3127	0.329	1.1316

System OLS11a

(Display reflection
 $Y_r=1.26$)

Color	$L^*_a=LAB^*_a1$	$a^*_a=LAB^*_a2$	$b^*_a=LAB^*_a3$	$C^*_{ar}=LAB^*_ar$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	49.35	70.9	58.26	91.76	33.33 (=32.13+1.2)	17.88 (=16.62+1.26)	2.19 (=0.82+1.37)	0.6241	0.3349	0.2019
Y	94.74	-9.85	93.85	94.37	77.68 (=76.48+1.2)	87.01 (=85.75+1.26)	12.45 (=11.08+1.37)	0.4385	0.4912	0.9821
L (G)	52.59	-69.61	37.15	78.91	8.78 (=7.58+1.2)	20.67 (=19.41+1.26)	7.26 (=5.89+1.37)	0.2391	0.5631	0.2333
C	60.95	-32.48	-50.5	60.06	20.36 (=19.17+1.2)	29.19 (=27.93+1.26)	83.66 (=82.29+1.37)	0.1529	0.2191	0.3295
V (B)	23.77	37.18	-50.93	63.07	6.9 (=5.71+1.2)	4.03 (=2.77+1.26)	23.24 (=21.86+1.37)	0.202	0.118	0.0455
M	49.56	81.47	-10.93	82.2	36.69 (=35.49+1.2)	18.06 (=16.8+1.26)	25.94 (=24.56+1.37)	0.4548	0.2238	0.2038
N	11.0	0.0	0.0	0.0	1.2 (=0.0+1.2)	1.26 (=0.0+1.26)	1.37 (=0.0+1.37)	0.3127	0.329	0.0142
W	95.41	0.0	0.0	0.0	84.2 (=83.0+1.2)	88.6 (=87.34+1.26)	96.46 (=95.09+1.37)	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.0	-1.22 (= -2.42+1.2)	-1.29 (= -2.55+1.26)	-1.4 (= -2.77+1.37)	0.3128	0.329	-0.0145
W1	100.06	0.0	0.0	0.01	95.2 (=94.0+1.2)	100.17 (=98.91+1.26)	109.08 (=107.71+1.37)	0.3127	0.329	1.1306

System OLS18a

(Display reflection
 $Y_r=2.52$)

Color	$L^*_a=LAB^*_a1$	$a^*_a=LAB^*_a2$	$b^*_a=LAB^*_a3$	$C^*_{ar}=LAB^*_ar$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	50.57	68.21	50.87	85.09	34.06 (=31.67+2.4)	18.9 (=16.38+2.52)	3.55 (=0.81+2.74)	0.6027	0.3345	0.2134
Y	94.75	-9.7	90.82	91.33	77.77 (=75.38+2.4)	87.04 (=84.52+2.52)	13.67 (=10.92+2.74)	0.4358	0.4877	0.9824
L (G)	53.66	-65.23	34.46	73.78	9.87 (=7.47+2.4)	21.65 (=19.13+2.52)	8.55 (=5.8+2.74)	0.2463	0.5404	0.2444
C	61.69	-31.25	-49.35	58.43	21.28 (=18.89+2.4)	30.05 (=27.53+2.52)	83.84 (=81.1+2.74)	0.1575	0.2223	0.3392
V (B)	27.44	32.06	-46.4	56.41	8.02 (=5.62+2.4)	5.25 (=2.73+2.52)	24.29 (=21.55+2.74)	0.2135	0.1398	0.0593
M	50.77	78.51	-10.44	79.2	37.38 (=34.98+2.4)	19.07 (=16.55+2.52)	26.95 (=24.21+2.74)	0.4481	0.2287	0.2153
N	18.01	0.0	0.0	0.0	2.4 (=0.0+2.4)	2.52 (=0.0+2.52)	2.74 (=0.0+2.74)	0.3127	0.329	0.0284
W	95.41	0.0	0.0	0.0	84.2 (=81.81+2.4)	88.6 (=86.08+2.52)	96.46 (=93.72+2.74)	0.3127	0.329	1.0
N0	0.01	0.0	0.0	0.01	0.0 (= -2.38+2.4)	0.0 (= -2.51+2.52)	0.0 (= -2.73+2.74)	0.2505	0.3105	0.0
W1	100.0	0.0	0.0	0.01	95.04 (=92.65+2.4)	100.0 (=97.48+2.52)	108.9 (=106.16+2.74)	0.3127	0.329	1.1288

LE480-7N, Colorimetric data of the Offset Reflective System ORS18 and calculated Offset Luminous Systems OLS00/06/11/18a, chroma adapted (a) for CIE standard illuminant D65

BAM-test chart no. LE48; colorimetric data for D65
ORS18 and Offset Luminous Systems OLS00a/06a/11a/18a

input: w^* setgray
output: no change compared to input

Colorimetric data of "Standard Original": Offset Reflective System ORS18 for CIE lightness $L^*=18$ of black and illuminant D65

System ORS18

(Reflective CIE, $Y_N=2.52$
and CIELAB zero point)
(CIELAB according
to ISO/IEC 15775)

Color	$L^*=LAB^*_{a1}$	$a^*=LAB^*_{a2}$	$b^*=LAB^*_{a3}$	$C^*_{ab}=LAB^*_{ar}$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	50.57	68.08	52.6	86.03	34.03	18.9	3.27	0.6054	0.3363	0.2134
Y	94.75	-10.68	95.53	96.13	77.29	87.04	11.83	0.4388	0.4941	0.9824
L (G)	53.66	-65.42	36.4	74.87	9.84	21.65	7.98	0.2494	0.5485	0.2444
C	61.69	-31.59	-46.87	56.53	21.21	30.05	80.49	0.161	0.2281	0.3392
V (B)	27.44	32.38	-46.23	56.45	8.05	5.25	24.19	0.2148	0.14	0.0593
M	50.77	78.38	-8.7	78.86	37.34	19.07	25.85	0.4539	0.2319	0.2153
N	18.01	0.5	-0.46	0.69	2.42	2.52	2.81	0.3122	0.3252	0.0284
W	95.41	-0.98	4.76	4.86	83.68	88.6	89.47	0.3197	0.3385	1.0
N0	0.01	0.84	-1.68	1.89	0.02	0.0	0.12	0.1518	0.0078	0.0
W1	100.0	-1.07	5.06	5.17	94.43	100.0	100.83	0.3198	0.3387	1.1288

Calculated colorimetric data: Offset Luminous Systems OLSxxa for CIE lightness $L^*=xx=27, 33, 52, 70$, Illuminant D65, adapted (a)

System OLS27a

(Display reflection
 $Y_r=5.04$)

Color	$L^*_{a1}=LAB^*_{a1}$	$a^*_{a1}=LAB^*_{a2}$	$b^*_{a1}=LAB^*_{a3}$	$C^*_{ar}=LAB^*_{ar}$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	52.89	63.26	41.52	75.67	35.53 (=30.74+4.79)	20.94 (=15.9+5.04)	6.27 (=0.79+5.49)	0.5662	0.3338	0.2364
Y	94.77	-9.41	85.25	85.77	77.96 (=73.17+4.79)	87.08 (=82.04+5.04)	16.09 (=10.6+5.49)	0.4304	0.4808	0.9829
L (G)	55.7	-57.89	30.13	65.26	12.04 (=7.25+4.79)	23.61 (=18.57+5.04)	11.12 (=5.63+5.49)	0.2575	0.5048	0.2665
C	63.14	-28.98	-47.12	55.33	23.13 (=18.34+4.79)	31.76 (=26.72+5.04)	84.21 (=78.73+5.49)	0.1663	0.2283	0.3585
V (B)	33.33	25.36	-39.66	47.08	10.25 (=5.46+4.79)	7.69 (=2.65+5.04)	26.41 (=20.92+5.49)	0.2311	0.1734	0.0868
M	53.07	73.04	-9.57	73.67	38.75 (=33.96+4.79)	21.11 (=16.07+5.04)	28.99 (=23.5+5.49)	0.4361	0.2376	0.2383
N	26.85	0.0	0.0	0.0	4.79 (=0.0+4.79)	5.04 (=0.0+5.04)	5.49 (=0.0+5.49)	0.3127	0.329	0.0569
W	95.41	0.0	0.0	0.0	84.2 (=79.41+4.79)	88.6 (=83.56+5.04)	96.46 (=90.98+5.49)	0.3127	0.329	1.0
N0	18.34	0.0	0.0	0.0	2.47 (=2.31+4.79)	2.59 (=2.44+5.04)	2.83 (=2.65+5.49)	0.3127	0.329	0.0293
W1	99.87	0.0	0.0	0.01	94.72 (=89.93+4.79)	99.67 (=94.63+5.04)	108.54 (=103.05+5.49)	0.3127	0.329	1.125

System OLS38a

(Display reflection
 $Y_r=10.08$)

Color	$L^*_{a1}=LAB^*_{a1}$	$a^*_{a1}=LAB^*_{a2}$	$b^*_{a1}=LAB^*_{a3}$	$C^*_{ar}=LAB^*_{ar}$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	57.1	54.77	30.91	62.89	38.47 (=28.89+9.58)	25.03 (=14.95+10.08)	11.71 (=0.74+10.98)	0.5115	0.3327	0.2825
Y	94.81	-8.82	75.61	76.13	78.34 (=68.76+9.58)	87.17 (=77.09+10.08)	20.94 (=9.96+10.98)	0.4202	0.4675	0.9839
L (G)	59.46	-46.92	23.98	52.7	16.4 (=16.82+9.58)	27.53 (=17.45+10.08)	16.27 (=5.29+10.98)	0.2724	0.4574	0.3108
C	65.9	-25.07	-42.91	49.71	26.81 (=17.23+9.58)	35.19 (=25.11+10.08)	84.95 (=73.98+10.98)	0.1824	0.2395	0.3972
V (B)	42.11	17.98	-30.85	35.72	14.71 (=5.13+9.58)	12.57 (=2.49+10.08)	30.63 (=19.66+10.98)	0.254	0.2171	0.1419
M	57.25	63.57	-8.12	64.08	41.49 (=31.91+9.58)	25.18 (=15.1+10.08)	33.06 (=22.08+10.98)	0.416	0.2525	0.2842
N	37.99	0.0	0.0	0.0	9.58 (=0.0+9.58)	10.08 (=0.0+10.08)	10.98 (=0.0+10.98)	0.3127	0.329	0.1138
W	95.41	0.0	0.0	0.0	84.2 (=74.62+9.58)	88.6 (=78.52+10.08)	96.46 (=85.49+10.98)	0.3127	0.329	1.0
N0	33.52	0.0	0.0	0.0	7.4 (=2.17+9.58)	7.78 (=2.29+10.08)	8.47 (=2.49+10.98)	0.3127	0.329	0.0878
W1	99.61	0.0	0.0	0.01	94.09 (=84.51+9.58)	99.0 (=88.92+10.08)	107.81 (=96.83+10.98)	0.3127	0.329	1.1174

System OLS52a

(Display reflection
 $Y_r=20.16$)

Color	$L^*_{a1}=LAB^*_{a1}$	$a^*_{a1}=LAB^*_{a2}$	$b^*_{a1}=LAB^*_{a3}$	$C^*_{ar}=LAB^*_{ar}$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	64.31	41.62	20.06	46.2	44.34 (=25.18+19.16)	33.19 (=13.03+20.16)	22.59 (=0.64+21.95)	0.4429	0.3315	0.3746
Y	94.89	-7.66	60.13	60.62	79.09 (=59.93+19.16)	87.36 (=67.2+20.16)	30.64 (=8.68+21.95)	0.4013	0.4432	0.986
L (G)	66.04	-32.8	16.47	36.71	25.1 (=5.94+19.16)	35.37 (=15.21+20.16)	26.57 (=4.61+21.95)	0.2884	0.4064	0.3993
C	70.9	-19.01	-35.34	40.14	34.18 (=15.02+19.16)	42.05 (=21.89+20.16)	86.43 (=64.48+21.95)	0.2101	0.2585	0.4746
V (B)	54.38	11.06	-20.79	23.56	23.63 (=4.47+19.16)	22.33 (=2.17+20.16)	39.08 (=17.13+21.95)	0.2779	0.2626	0.2521
M	64.42	48.68	-5.99	49.05	46.97 (=27.81+19.16)	33.32 (=13.16+20.16)	41.2 (=19.25+21.95)	0.3866	0.2743	0.3761
N	52.02	0.0	0.0	0.0	19.16 (=0.0+19.16)	20.16 (=0.0+20.16)	21.95 (=0.0+21.95)	0.3127	0.329	0.2276
W	95.41	0.0	0.0	0.0	84.2 (=65.04+19.16)	88.6 (=68.44+20.16)	96.46 (=74.51+21.95)	0.3127	0.329	1.0
N0	49.69	0.0	0.0	0.0	17.26 (=2.17+19.16)	18.16 (=2.17+20.16)	19.77 (=2.17+21.95)	0.3127	0.329	0.2049
W1	99.09	0.0	0.0	0.01	92.82 (=73.66+19.16)	97.67 (=77.51+20.16)	106.35 (=84.4+21.95)	0.3127	0.329	1.1024

System OLS70a

(Display reflection
 $Y_r=40.32$)

Color	$L^*_{a1}=LAB^*_{a1}$	$a^*_{a1}=LAB^*_{a2}$	$b^*_{a1}=LAB^*_{a3}$	$C^*_{ar}=LAB^*_{ar}$	$X_a=XYZ_{a1}$	$Y_a=XYZ_{a2}$	$Z_a=XYZ_{a3}$	x_a	y_a	$Y_a/88.59$
O (R)	75.77	23.84	9.96	25.83	56.08 (=17.76+38.32)	49.51 (=9.19+40.32)	44.36 (=0.45+43.9)	0.374	0.3302	0.5588
Y	95.04	-5.36	37.12	37.51	80.6 (=42.27+38.32)	87.72 (=47.4+40.32)	50.03 (=6.13+43.9)	0.3691	0.4018	0.9901
L (G)	76.71	-17.21	8.52	19.22	42.51 (=4.19+38.32)	51.05 (=10.73+40.32)	47.16 (=3.26+43.9)	0.3021	0.3628	0.5762
C	79.48	-10.83	-22.65	25.12	48.91 (=10.59+38.32)	55.76 (=15.44+40.32)	89.39 (=45.48+43.9)	0.2521	0.2873	0.6294
V (B)	70.77	5.25	-10.62	11.86	41.48 (=3.15+38.32)	41.85 (=1.53+40.32)	55.99 (=12.09+43.9)	0.2977	0.3004	0.4724
M	75.82	28.16	-3.31	28.36	57.94 (=19.62+38.32)	49.6 (=9.28+40.32)	57.48 (=13.58+43.9)	0.3511	0.3006	0.5599
N	69.7	0.0	0.0	0.0	38.32 (=0.0+38.32)	40.32 (=0.0+40.32)	43.9 (=0.0+43.9)	0.3127	0.329	0.4551
W	95.41	0.0	0.0	0.0	84.2 (=45.88+38.32)	88.6 (=48.28+40.32)	96.46 (=52.56+43.9)	0.3127	0.329	1.0
N0	68.68	0.0	0.0	0.0	36.98 (=2.17+38.32)	38.91 (=2.17+40.32)	42.36 (=2.17+43.9)	0.3127	0.329	0.4392
W1	98.03	0.0	0.0	0.01	90.28 (=51.96+38.32)	94.99 (=54.67+40.32)	103.44 (=59.54+43.9)	0.3127	0.329	1.0722

LE480-7N, Colorimetric data of the Offset Reflective System ORS18 and calculated Offset Luminous Systems OLS27/38/52/70a, chroma adapted (a) for CIE standard illuminant D65

BAM-test chart no. LE48; colorimetric data for D65

ORS18 and Offset Luminous Systems OLS27a/38a/52a/70a

input: w^* setgray

output: no change compared to input

Colorimetric data of "Standard Original": Offset Reflective System ORS18 for CIE lightness $L^*=18$ of black and illuminant D65

System ORS18

(Reflective CIE, $Y_N=2.52$
and CIELAB zero point)
(CIELAB according
to ISO/IEC 15775)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_{ab}=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	50.57	68.08	52.6	86.03	34.03	18.9	3.27	0.6054	0.3363	0.2134
Y	94.75	-10.68	95.53	96.13	77.29	87.04	11.83	0.4388	0.4941	0.9824
L (G)	53.66	-65.42	36.4	74.87	9.84	21.65	7.98	0.2494	0.5485	0.2444
C	61.69	-31.59	-46.87	56.53	21.21	30.05	80.49	0.161	0.2281	0.3392
V (B)	27.44	32.38	-46.23	56.45	8.05	5.25	24.19	0.2148	0.14	0.0593
M	50.77	78.38	-8.7	78.86	37.34	19.07	25.85	0.4539	0.2319	0.2153
N	18.01	0.5	-0.46	0.69	2.42	2.52	2.81	0.3122	0.3252	0.0284
W	95.41	-0.98	4.76	4.86	83.68	88.6	89.47	0.3197	0.3385	1.0
N0	0.01	0.84	-1.68	1.89	0.02	0.0	0.12	0.1518	0.0078	0.0
W1	100.0	-1.07	5.06	5.17	94.43	100.0	100.83	0.3198	0.3387	1.1288

Calculated colorimetric data: Offset Luminous Systems OLSxx for CIE lightness $L^*=xx=00, 06, 11, 18$, Illuminant D65

System OLS00

(Display reflection
 $Y_r=0.0$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	48.09	73.67	72.55	103.4	32.57 (=32.57+0.0)	16.86 (=16.86+0.0)	0.72 (=0.72+0.0)	0.6494	0.3362	0.1903
Y	94.73	-10.97	101.81	102.4	77.1 (=77.1+0.0)	86.99 (=86.99+0.0)	9.63 (=9.63+0.0)	0.4438	0.5007	0.9819
L (G)	51.49	-74.76	42.15	85.83	7.68 (=7.68+0.0)	19.69 (=19.69+0.0)	5.56 (=5.56+0.0)	0.2331	0.598	0.2223
C	60.19	-34.09	-49.3	59.95	19.38 (=19.38+0.0)	28.33 (=28.33+0.0)	80.26 (=80.26+0.0)	0.1514	0.2214	0.3198
V (B)	19.27	45.16	-57.24	72.92	5.83 (=5.83+0.0)	2.81 (=2.81+0.0)	22.4 (=22.4+0.0)	0.1878	0.0906	0.0317
M	48.31	84.52	-9.87	85.1	35.98 (=35.98+0.0)	17.04 (=17.04+0.0)	23.97 (=23.97+0.0)	0.4674	0.2213	0.1923
N	0.0	0.84	-1.68	1.88	0.02 (=0.02+0.0)	0.0 (=0.0+0.0)	0.12 (=0.12+0.0)	0.1499	0.0025	0.0
W	95.41	-0.98	4.76	4.86	83.68 (=83.68+0.0)	88.6 (=88.6+0.0)	89.47 (=89.47+0.0)	0.3197	0.3385	1.0
N0	0.0	0.85	-1.68	1.89	0.02 (=0.02+0.0)	0.0 (=0.0+0.0)	0.12 (=0.12+0.0)	0.149	0.0	0.0
W1	100.13	-1.07	5.07	5.18	94.74 (=94.74+0.0)	100.34 (=100.34+0.0)	101.16 (=101.16+0.0)	0.3198	0.3387	1.1325

System OLS06

(Display reflection
 $Y_r=0.63$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	48.73	72.21	65.12	97.23	32.94 (=32.34+0.6)	17.37 (=16.74+0.63)	1.37 (=0.68+0.69)	0.6374	0.3362	0.1961
Y	94.74	-10.9	100.16	100.75	77.15 (=76.55+0.6)	87.0 (=86.37+0.63)	10.18 (=9.49+0.69)	0.4425	0.4991	0.982
L (G)	52.04	-72.18	40.51	82.78	8.22 (=7.62+0.6)	20.18 (=19.55+0.63)	6.17 (=5.48+0.69)	0.2377	0.5839	0.2278
C	60.57	-33.44	-48.68	59.07	19.84 (=19.24+0.6)	28.76 (=28.13+0.63)	80.32 (=79.63+0.69)	0.1539	0.2231	0.3246
V (B)	21.66	40.96	-53.89	67.7	6.39 (=5.79+0.6)	3.42 (=2.79+0.63)	22.84 (=22.15+0.69)	0.1956	0.1048	0.0386
M	48.94	82.92	-9.56	83.47	36.32 (=35.72+0.6)	17.55 (=16.92+0.63)	24.44 (=23.75+0.69)	0.4638	0.2241	0.1981
N	5.69	0.73	-1.29	1.49	0.62 (=0.02+0.6)	0.63 (=0.0+0.63)	0.78 (=0.09+0.69)	0.3047	0.3113	0.0071
W	95.41	-0.98	4.76	4.86	83.68 (=83.08+0.6)	88.6 (=87.97+0.63)	89.47 (=88.78+0.69)	0.3197	0.3385	1.0
N0	0.0	0.85	-1.68	1.89	0.02 (=0.02+0.6)	0.0 (=0.0+0.63)	0.12 (=0.0+0.69)	0.149	0.0	0.0
W1	100.1	-1.07	5.07	5.18	94.66 (=94.07+0.6)	100.25 (=99.62+0.63)	101.08 (=100.39+0.69)	0.3198	0.3387	1.1316

System OLS11

(Display reflection
 $Y_r=1.26$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	49.35	70.79	59.91	92.74	33.3 (=32.1+1.2)	17.88 (=16.62+1.26)	2.0 (=0.63+1.37)	0.6261	0.3363	0.2019
Y	94.74	-10.83	98.57	99.16	77.19 (=75.99+1.2)	87.01 (=85.75+1.26)	10.73 (=9.35+1.37)	0.4413	0.4974	0.9821
L (G)	52.59	-69.77	39.02	79.95	8.76 (=7.56+1.2)	20.67 (=19.41+1.26)	6.77 (=5.4+1.37)	0.242	0.571	0.2333
C	60.95	-32.8	-48.07	58.21	20.3 (=19.1+1.2)	29.19 (=27.93+1.26)	80.37 (=79.0+1.37)	0.1563	0.2248	0.3295
V (B)	23.77	37.57	-51.01	63.36	6.94 (=5.74+1.2)	4.03 (=2.77+1.26)	23.28 (=21.91+1.37)	0.2027	0.1177	0.0455
M	49.56	81.36	-9.27	81.89	36.66 (=35.46+1.2)	18.06 (=16.8+1.26)	24.91 (=23.53+1.37)	0.4604	0.2268	0.2038
N	11.0	0.63	-0.93	1.14	1.22 (=0.02+1.2)	1.26 (=0.0+1.26)	1.46 (=0.09+1.37)	0.3094	0.3203	0.0142
W	95.41	-0.98	4.76	4.86	83.68 (=82.48+1.2)	88.6 (=87.34+1.26)	89.47 (=88.1+1.37)	0.3197	0.3385	1.0
N0	0.0	0.85	-1.68	1.89	0.02 (=0.02+1.2)	0.0 (=0.0+1.26)	0.12 (=0.0+1.37)	0.149	0.0	0.0
W1	100.06	-1.07	5.06	5.18	94.59 (=93.39+1.2)	100.17 (=98.91+1.26)	100.99 (=99.62+1.37)	0.3198	0.3387	1.1306

System OLS18

(Display reflection
 $Y_r=2.52$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	50.57	68.08	52.6	86.03	34.03 (=31.63+2.4)	18.9 (=16.38+2.52)	3.27 (=0.53+2.74)	0.6054	0.3363	0.2134
Y	94.75	-10.68	95.53	96.13	77.29 (=74.89+2.4)	87.04 (=84.52+2.52)	11.83 (=9.08+2.74)	0.4388	0.4941	0.9824
L (G)	53.66	-65.42	36.4	74.87	9.84 (=7.45+2.4)	21.65 (=19.13+2.52)	7.98 (=5.24+2.74)	0.2494	0.5485	0.2444
C	61.69	-31.59	-46.87	56.53	21.21 (=18.82+2.4)	30.05 (=27.53+2.52)	80.49 (=77.74+2.74)	0.161	0.2281	0.3392
V (B)	27.44	32.38	-46.23	56.45	8.05 (=5.66+2.4)	5.25 (=2.73+2.52)	24.19 (=21.45+2.74)	0.2148	0.14	0.0593
M	50.77	78.38	-8.7	78.86	37.34 (=34.94+2.4)	19.07 (=16.55+2.52)	25.85 (=23.1+2.74)	0.4539	0.2319	0.2153
N	18.01	0.5	-0.46	0.69	2.42 (=0.02+2.4)	2.52 (=0.0+2.52)	2.81 (=0.07+2.74)	0.3122	0.3252	0.0284
W	95.41	-0.98	4.76	4.86	83.68 (=81.29+2.4)	88.6 (=86.08+2.52)	89.47 (=86.72+2.74)	0.3197	0.3385	1.0
N0	0.01	0.84	-1.68	1.89	0.02 (=0.02+2.4)	0.0 (=0.0+2.52)	0.12 (=0.0+2.74)	0.1517	0.0078	0.0
W1	100.0	-1.07	5.06	5.17	94.43 (=92.03+2.4)	100.0 (=97.48+2.52)	100.83 (=98.08+2.74)	0.3198	0.3387	1.1288

LE480-7N, Colorimetric data of the Offset Reflective System ORS18 and calculated Offset Luminous Systems OLS00/06/11/18 for CIE standard illuminant D65

BAM-test chart no. LE48; colorimetric data for D65
ORS18 and Offset Luminous Systems OLS00/06/11/18

input: w^* setgray
output: no change compared to input

Colorimetric data of "Standard Original": Offset Reflective System ORS18 for CIE lightness $L^*=18$ of black and illuminant D65

System ORS18

(Reflective CIE, $Y_N=2.52$
and CIELAB zero point)
(CIELAB according
to ISO/IEC 15775)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_{ab}=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	50.57	68.08	52.6	86.03	34.03	18.9	3.27	0.6054	0.3363	0.2134
Y	94.75	-10.68	95.53	96.13	77.29	87.04	11.83	0.4388	0.4941	0.9824
L (G)	53.66	-65.42	36.4	74.87	9.84	21.65	7.98	0.2494	0.5485	0.2444
C	61.69	-31.59	-46.87	56.53	21.21	30.05	80.49	0.161	0.2281	0.3392
V (B)	27.44	32.38	-46.23	56.45	8.05	5.25	24.19	0.2148	0.14	0.0593
M	50.77	78.38	-8.7	78.86	37.34	19.07	25.85	0.4539	0.2319	0.2153
N	18.01	0.5	-0.46	0.69	2.42	2.52	2.81	0.3122	0.3252	0.0284
W	95.41	-0.98	4.76	4.86	83.68	88.6	89.47	0.3197	0.3385	1.0
N0	0.01	0.84	-1.68	1.89	0.02	0.0	0.12	0.1518	0.0078	0.0
W1	100.0	-1.07	5.06	5.17	94.43	100.0	100.83	0.3198	0.3387	1.1288

Calculated colorimetric data: Offset Luminous Systems OLSxx for CIE lightness $L^*=xx=27, 33, 52, 70$, Illuminant D65

System OLS27

(Display reflection
 $Y_r=5.04$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	52.89	63.09	43.41	76.58	35.48 (=30.69+4.79)	20.94 (=15.9+5.04)	5.83 (=0.34+5.49)	0.57	0.3365	0.2364
Y	94.77	-10.39	89.96	90.56	77.47 (=72.68+4.79)	87.08 (=82.04+5.04)	14.03 (=8.54+5.49)	0.4338	0.4876	0.9829
L (G)	55.7	-58.11	32.2	66.45	12.01 (=7.22+4.79)	23.61 (=18.57+5.04)	10.4 (=4.91+5.49)	0.261	0.5131	0.2665
C	63.14	-29.35	-44.54	53.35	23.04 (=18.25+4.79)	31.76 (=26.72+5.04)	80.71 (=75.23+5.49)	0.17	0.2344	0.3585
V (B)	33.33	25.56	-39.09	46.72	10.28 (=5.49+4.79)	7.69 (=2.65+5.04)	26.05 (=20.56+5.49)	0.2335	0.1747	0.0868
M	53.07	72.87	-7.67	73.27	38.69 (=33.9+4.79)	21.11 (=16.07+5.04)	27.72 (=22.24+5.49)	0.4421	0.2412	0.2383
N	26.85	0.33	0.13	0.35	4.82 (=0.03+4.79)	5.04 (=0.0+5.04)	5.46 (=0.02+5.49)	0.3144	0.3291	0.0569
W	95.41	-0.98	4.76	4.86	83.68 (=78.89+4.79)	88.6 (=83.56+5.04)	89.47 (=83.98+5.49)	0.3197	0.3385	1.0
N0	18.34	0.49	-0.44	0.67	2.49 (=2.29+4.79)	2.59 (=2.44+5.04)	2.89 (=2.59+5.49)	0.3123	0.3253	0.0293
W1	99.87	-1.07	5.05	5.17	94.11 (=89.32+4.79)	99.67 (=94.63+5.04)	100.49 (=95.01+5.49)	0.3198	0.3387	1.125

System OLS38

(Display reflection
 $Y_r=10.08$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	57.1	54.52	33.08	63.77	38.39 (=28.81+9.58)	25.03 (=14.95+10.08)	10.93 (=0.04+10.98)	0.5164	0.3366	0.2825
Y	94.81	-9.8	80.33	80.93	77.85 (=68.27+9.58)	87.17 (=77.09+10.08)	18.47 (=7.5+10.98)	0.4242	0.4751	0.9839
L (G)	59.46	-47.22	26.31	54.06	16.34 (=6.76+9.58)	27.53 (=17.45+10.08)	15.22 (=4.25+10.98)	0.2766	0.4659	0.3108
C	65.9	-25.49	-40.15	47.57	26.71 (=17.13+9.58)	35.19 (=25.11+10.08)	81.18 (=70.21+10.98)	0.1867	0.2459	0.3972
V (B)	42.11	18.02	-29.69	34.74	14.72 (=5.14+9.58)	12.57 (=2.49+10.08)	29.83 (=18.85+10.98)	0.2577	0.2201	0.1419
M	57.25	63.31	-5.94	63.59	41.41 (=31.83+9.58)	25.18 (=15.1+10.08)	31.48 (=20.5+10.98)	0.4222	0.2568	0.2842
N	37.99	0.12	0.88	0.89	9.59 (=0.01+9.58)	10.08 (=0.0+10.08)	10.67 (=0.3+10.98)	0.3162	0.3322	0.1138
W	95.41	-0.98	4.76	4.86	83.68 (=74.1+9.58)	88.6 (=78.52+10.08)	89.47 (=78.49+10.98)	0.3197	0.3385	1.0
N0	33.52	0.2	0.58	0.61	7.42 (=2.15+9.58)	7.78 (=2.29+10.08)	8.3 (=2.66+10.98)	0.3156	0.3311	0.0878
W1	99.61	-1.06	5.03	5.15	93.48 (=83.9+9.58)	99.0 (=88.92+10.08)	99.83 (=88.85+10.98)	0.3198	0.3387	1.1174

System OLS52

(Display reflection
 $Y_r=20.16$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	64.31	41.23	22.72	47.07	44.21 (=25.04+19.16)	33.19 (=13.03+20.16)	21.11 (=0.83+21.95)	0.4488	0.3369	0.3746
Y	94.89	-8.64	64.86	65.43	78.6 (=59.44+19.16)	87.36 (=67.2+20.16)	27.44 (=5.49+21.95)	0.4064	0.4517	0.986
L (G)	66.04	-33.22	19.24	38.4	25.0 (=5.84+19.16)	35.37 (=15.21+20.16)	24.83 (=2.88+21.95)	0.2934	0.4151	0.3993
C	70.9	-19.52	-32.24	37.7	34.03 (=14.87+19.16)	42.05 (=21.89+20.16)	82.16 (=60.21+21.95)	0.2151	0.2657	0.4746
V (B)	54.38	10.86	-18.8	21.72	23.59 (=4.43+19.16)	22.33 (=2.17+20.16)	37.47 (=15.52+21.95)	0.2829	0.2678	0.2521
M	64.42	48.29	-3.33	48.41	46.83 (=27.67+19.16)	33.32 (=13.16+20.16)	38.96 (=17.01+21.95)	0.3932	0.2797	0.3761
N	52.02	-0.14	1.83	1.83	19.13 (=0.02+19.16)	20.16 (=0.0+20.16)	20.94 (=1.0+21.95)	0.3176	0.3347	0.2276
W	95.41	-0.98	4.76	4.86	83.68 (=64.52+19.16)	88.6 (=68.44+20.16)	89.47 (=67.52+21.95)	0.3197	0.3385	1.0
N0	49.69	-0.1	1.67	1.67	17.24 (=1.91+19.16)	18.16 (=1.99+20.16)	18.91 (=3.03+21.95)	0.3174	0.3344	0.2049
W1	99.09	-1.05	5.0	5.11	92.23 (=73.07+19.16)	97.67 (=77.51+20.16)	98.5 (=76.55+21.95)	0.3198	0.3387	1.1024

System OLS70

(Display reflection
 $Y_r=40.32$)

Color	$L^*=LAB^*_1$	$a^*=LAB^*_2$	$b^*=LAB^*_3$	$C^*_r=LAB^*_r$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
O (R)	75.77	23.22	13.39	26.81	55.84 (=17.52+38.32)	49.51 (=9.19+40.32)	41.35 (=2.55+43.9)	0.3806	0.3375	0.5588
Y	95.04	-6.34	41.86	42.34	80.09 (=41.77+38.32)	87.72 (=47.4+40.32)	45.56 (=1.66+43.9)	0.3754	0.4111	0.9901
L (G)	76.71	-17.84	12.02	21.52	42.3 (=3.98+38.32)	51.05 (=10.73+40.32)	43.96 (=0.06+43.9)	0.3081	0.3718	0.5762
C	79.48	-11.51	-18.96	22.2	48.67 (=10.34+38.32)	55.76 (=15.44+40.32)	84.22 (=40.31+43.9)	0.258	0.2956	0.6294
V (B)	70.77	4.74	-7.52	8.9	41.31 (=2.99+38.32)	41.85 (=1.53+40.32)	52.81 (=8.9+43.9)	0.3038	0.3078	0.4724
M	75.82	27.55	0.12	27.55	57.69 (=19.37+38.32)	49.6 (=9.28+40.32)	53.89 (=9.99+43.9)	0.3579	0.3077	0.5599
N	69.7	-0.48	3.02	3.06	38.17 (=0.14+38.32)	40.32 (=0.0+40.32)	41.26 (=2.63+43.9)	0.3187	0.3367	0.4551
W	95.41	-0.98	4.76	4.86	83.68 (=45.36+38.32)	88.6 (=48.28+40.32)	89.47 (=45.57+43.9)	0.3197	0.3385	1.0
N0	68.68	-0.46	2.95	2.99	36.83 (=1.48+38.32)	38.91 (=1.4+40.32)	39.84 (=4.05+43.9)	0.3187	0.3366	0.4392
W1	98.03	-1.03	4.93	5.04	89.71 (=51.39+38.32)	94.99 (=54.67+40.32)	95.84 (=51.94+43.9)	0.3198	0.3386	1.0722

LE480-7N, Colorimetric data of the Offset Reflective System ORS18 and calculated Offset Luminous Systems OLS27/38/52/70 for CIE standard illuminant D65

BAM-test chart no. LE48; colorimetric data for D65
ORS18 and Offset Luminous Systems OLS27/38/52/70

input: w^* setgray
output: no change compared to input