

Achromatic colours white for eight illuminants; colour space CIEXYZ; K=25:1

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	illuminant
W ₁ 380_770	87.38	89.99	93.61	0.3224	0.3321	0.3454	225.8	P60
W ₁ 380_770	87.89	89.99	85.99	0.333	0.341	0.3258	225.6	P55
W ₁ 380_770	88.66	89.99	77.55	0.346	0.3512	0.3026	225.4	P50
W ₁ 380_770	89.82	90.0	68.22	0.3621	0.3628	0.275	225.0	P45
W ₁ 380_770	91.57	90.0	58.0	0.3822	0.3756	0.2421	224.5	P40
W ₁ 380_770	94.24	89.99	46.94	0.4076	0.3892	0.203	223.6	P35
W ₁ 380_770	98.36	89.99	35.27	0.4398	0.4024	0.1577	222.4	P30
W ₁ 380_770	104.88	89.99	23.52	0.4802	0.412	0.1077	220.6	P25

1-001130-L0

BE870-1N_2

Achromatic colours white for eight illuminants; colour space YAB_77; K=25:1

Code	Y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{AB,10}	illuminant
W ₁ 380_770	89.99	0.0	0.0	0.01	0.9709	-0.416	9.0	P60
W ₁ 380_770	89.99	0.0	0.0	0.01	0.9765	-0.3822	358.7	P55
W ₁ 380_770	89.99	0.0	0.0	0.01	0.9851	-0.3446	8.5	P50
W ₁ 380_770	90.0	0.0	0.0	0.01	0.998	-0.3032	2.9	P45
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0175	-0.2577	16.1	P40
W ₁ 380_770	89.99	0.0	0.0	0.01	1.0471	-0.2086	0.8	P35
W ₁ 380_770	89.99	0.0	0.0	0.01	1.0929	-0.1567	3.4	P30
W ₁ 380_770	89.99	0.0	0.0	0.01	1.1654	-0.1045	5.7	P25

1-001130-L0

BE870-3N_2

Achromatic colours white for eight illuminants; colour space CIELAB; K=25:1

Code	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	a' ₁₀	b' ₁₀	h _{ab,10}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	140.3	P60
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	348.8	P55
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	87.5	P50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	157.8	P40
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	P35
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	87.5	P30
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	157.9	P25

1-001130-L0

BE870-5N_2

Achromatic colours white for eight illuminants; colour space LABHNU1_79; K=25:1

CodeD65	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	a' ₁₀	b' ₁₀	h _{ab,10}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1313	-0.0887	26.6	P60
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1317	-0.0865	0.0	P55
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1323	-0.0841	18.4	P50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1332	-0.0811	9.4	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1345	-0.0777	26.6	P40
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1364	-0.0735	14.0	P35
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1395	-0.0686	0.0	P30
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1443	-0.0628	26.6	P25

1-001130-L0

BE870-7N_2

Achromatic colours white for eight illuminants; colour space CIEXYZ; K=25:1

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	illuminant
W ₁ 380_770	85.33	90.0	96.6	0.3137	0.3309	0.3552	226.5	D65
W ₁ 380_770	87.05	90.0	73.27	0.3477	0.3595	0.2927	225.9	D50
W ₁ 380_770	89.82	90.0	68.22	0.3621	0.3628	0.275	225.0	P45
W ₁ 380_770	100.03	89.99	31.67	0.4511	0.4059	0.1428	221.9	A00
W ₁ 380_770	89.99	89.99	90.0	0.3333	0.3333	0.3333	225.0	E00
W ₁ 380_770	87.55	90.0	104.53	0.3103	0.319	0.3705	225.7	C00
W ₁ 380_770	92.13	89.99	73.12	0.3609	0.3525	0.2864	224.3	P00
W ₁ 380_770	87.88	90.0	106.58	0.3089	0.3163	0.3746	225.6	Q00

1-001130-L0

BE870-1N_2

Achromatic colours white for eight illuminants; colour space YAB_77; K=25:1

Code	Y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{AB,10}	illuminant
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9481	-0.4293	0.0	D65
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9672	-0.3256	51.0	D50
W ₁ 380_770	90.0	0.0	0.0	0.01	0.998	-0.3032	2.9	P45
W ₁ 380_770	89.99	0.0	0.0	0.01	1.1115	-0.1407	1.9	A00
W ₁ 380_770	89.99	0.0	0.0	0.01	0.9999	-0.4	14.8	E00
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9728	-0.4645	11.8	C00
W ₁ 380_770	89.99	0.0	0.0	0.01	1.0237	-0.325	4.1	P00
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9764	-0.4736	357.9	Q00

1-001130-L0

BE870-3N_2

Achromatic colours white for eight illuminants; colour space CIELAB; K=25:1

Code	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	a' ₁₀	b' ₁₀	h _{ab,10}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	338.8	D65
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	158.0	D50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	157.5	A00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	174.2	E00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	87.5	C00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	11.1	P00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	354.3	Q00

1-001130-L0

BE870-5N_2

Achromatic colours white for eight illuminants; colour space LABHNU1_79; K=25:1

CodeD65	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	a' ₁₀	b' ₁₀	h _{ab,10}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1298	-0.0895	0.0	D65
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1311	-0.0827	143.1	D50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1332	-0.0811	9.4	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1407	-0.0669	14.0	A00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1333	-0.0877	153.5	E00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1315	-0.0915	9.4	C00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1349	-0.0827	9.4	P00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1317	-0.0921	355.2	Q00

1-001130-L0

BE870-7N_2

TUB-test chart BE87; Achromatic colorimetric data; K=25:1

colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 16 illuminants; 10 degree observer

input: w/rgb/cmyk -> rgb

see similar files: <http://farbe.li.tu-berlin.de/BE87/BE87.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20170801-BE87/BE87L0NA.TXT /PS
application for measurement of display output

TUB material: code=rha4ta