

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

Code	X	Y	Z	x	y	z	h_{xy}	illuminant
W ₁ 380_770	87.36	90.0	94.11	0.3218	0.3315	0.3466	225.8	P60
W ₁ 380_770	87.71	90.0	86.38	0.3321	0.3407	0.327	225.7	P55
W ₁ 380_770	88.31	90.0	77.85	0.3447	0.3513	0.3039	225.5	P50
W ₁ 380_770	89.28	90.0	68.46	0.3603	0.3632	0.2763	225.2	P45
W ₁ 380_770	90.83	90.0	58.22	0.3799	0.3764	0.2435	224.7	P40
W ₁ 380_770	93.3	90.0	47.19	0.4047	0.3904	0.2047	223.9	P35
W ₁ 380_770	97.23	90.0	35.59	0.4363	0.4038	0.1597	222.7	P30
W ₁ 380_770	103.66	90.0	23.93	0.4764	0.4136	0.1099	220.9	P25

BE670-1A

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

Code	Y	A	B	C_{AB}	a	b	h_{AB}	illuminant
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9706	-0.4182	19.5	P60
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9745	-0.3839	350.8	P55
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9812	-0.346	0.0	P50
W ₁ 380_770	90.0	0.0	0.0	0.01	0.992	-0.3042	355.4	P45
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0093	-0.2587	2.2	P40
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0366	-0.2097	8.7	P35
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0804	-0.1582	0.7	P30
W ₁ 380_770	90.0	0.0	0.0	0.01	1.1518	-0.1063	0.5	P25

BE670-3A

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

Code	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	140.8	P60
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	271.6	P55
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	180.0	P50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	219.6	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	180.0	P40
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	121.1	P35
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	P30
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	P25

BE670-5A

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

CodeD65	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1313	-0.0888	56.4	P60
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1316	-0.0867	350.5	P55
W ₁ 380_770	96.0	0.0	0.0	0.0	0.132	-0.0842	0.0	P50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1328	-0.0812	333.3	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1339	-0.0777	90.5	P40
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1357	-0.0736	45.1	P35
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1386	-0.0687	0.0	P30
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1434	-0.063	0.0	P25

BE670-7A

1-000130-L0

BE670-7N

1-000130-L0

BE671-7N

TUB-test chart BE67; Achromatic colorimetric data; K=25:1
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 16 illuminants; 2 degree observer

input: w/rgb/cmyk -> rgb

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

Code	X	Y	Z	x	y	z	h_{xy}	illuminant
W ₁ 380_770	85.53	90.0	98.0	0.3127	0.329	0.3582	226.4	D65
W ₁ 380_770	86.78	89.99	74.24	0.3457	0.3585	0.2957	226.0	D50
W ₁ 380_770	89.28	90.0	68.46	0.3603	0.3632	0.2763	225.2	P45
W ₁ 380_770	98.86	89.99	32.02	0.4475	0.4074	0.1449	222.3	A00
W ₁ 380_770	90.0	90.0	90.0	0.3333	0.3333	0.3333	225.0	E00
W ₁ 380_770	88.26	90.0	106.4	0.31	0.3161	0.3737	225.5	C00
W ₁ 380_770	91.86	90.0	72.95	0.3604	0.3531	0.2863	224.4	P00
W ₁ 380_770	88.13	90.0	107.05	0.309	0.3155	0.3753	225.5	Q00

BE670-1A

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

Code	Y	A	B	C_{AB}	a	b	h_{AB}	illuminant
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9504	-0.4355	353.4	D65
W ₁ 380_770	89.99	0.0	0.0	0.01	0.9642	-0.3299	354.2	D50
W ₁ 380_770	90.0	0.0	0.0	0.01	0.992	-0.3042	355.4	P45
W ₁ 380_770	89.99	0.0	0.0	0.01	1.0984	-0.1423	0.0	A00
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0	-0.4	7.7	E00
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9807	-0.4729	358.3	C00
W ₁ 380_770	90.0	0.0	0.0	0.01	1.0206	-0.3242	4.6	P00
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9793	-0.4758	4.1	Q00

BE670-3A

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

Code	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	329.4	D65
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	343.4	D50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	219.6	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	272.4	A00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	157.5	E00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	274.7	C00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	85.2	P00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	21.1	Q00

BE670-5A

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

CodeD65	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	illuminant
W ₁ 380_770	96.0	0.0	0.0	0.0	0.13	-0.0899	345.9	D65
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1309	-0.0831	350.5	D50
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1328	-0.0812	333.3	P45
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1398	-0.0671	0.0	A00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1333	-0.0877	0.0	E00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.132	-0.092	350.5	C00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1347	-0.0826	9.4	P00
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1319	-0.0922	0.0	Q00

BE670-7A

see similar files: <http://farbe.li.tu-berlin.de/BE67/BE67.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20170801-BE67/BE67L0NA.TXT /PS
application for measurement of display output

TUB material: code=rha4ta