Siehe ähnliche Dateien: http://130.149.60.45/~farbmetrik/SG31/SG31.HTM
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20130201-SG31/SG31L0N1.TXT /.PS
Anwendung für Messung von Display–Ausgabe

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =5%

16-stufiger Elementar-Bunttonkreis: Buntton $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	55.0	67.6	32.2	74.9	25.5	1.00 0.00 0.00
$R25Y_e$	60.1	52.4	47.5	70.7	42.1	1.00 0.25 0.00
$R50Y_e$	67.7	33.4	55.4	64.7	58.9	1.00 0.50 0.00
$R75Y_e$	75.2	16.1	63.0	65.0	75.6	1.00 0.75 0.00
$Y00G_e = Y_e$	84.2	−2.8	71.7	71.7	92.2	1.00 1.00 0.00
$Y25G_e$	91.6	−28.1	78.1	83.0	109.7	0.75 1.00 0.00
$Y50G_e$	86.9	−54.9	72.2	90.7	127.2	0.50 1.00 0.00
$Y75G_e$	84.7	−70.4	49.7	86.2	144.7	0.25 1.00 0.00
$G00B_e = G_e$	85.8	−58.9	18.8	61.9	162.2	0.00 1.00 0.00
$G25B_e$	87.6	−45.9	−7.8	46.5	189.6	0.00 1.00 0.50
$G50B_e$	80.4	−31.3	−23.5	39.2	216.9	0.00 1.00 1.00
$G75B_e$	72.1	−17.3	−35.9	39.8	244.2	0.00 0.50 1.00
$B00R_e = B_e$	62.4	1.5	−51.1	51.1	271.6	0.00 0.00 1.00
$B25R_e$	42.7	48.3	−83.0	96.1	300.1	0.50 0.00 1.00
$B50R_e$	60.6	84.4	−51.4	98.8	328.6	1.00 0.00 1.00
$B75R_e$	56.5	72.3	−3.7	72.4	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe: L^*_e = 26.8, 43.9, 61.1, 78.2, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	26.8	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	43.9	0.0	0.0	0.0	325.3	0.25 0.25 0.25
$N050W_e$	61.1	0.0	0.0	0.0	325.1	0.50 0.50 0.50
$N075W_e$	78.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG310−3N, LAB*la4, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =5%

3 Farben der Elementar-Bunttöne $RYGB_e$: $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	55.0	67.6	32.2	74.9	25.5	1.00 0.00 0.00
$0,5R_e + 0,5N_e$	40.9	33.8	16.1	37.4	25.5	0.50 0.00 0.00
$0,5R_e + 0,5W_e$	75.2	33.8	16.1	37.4	25.5	1.00 0.50 0.50
$Y00G_e = Y_e$	84.2	−2.8	71.7	71.7	92.2	1.00 1.00 0.00
$0,5Y_e + 0,5N_e$	55.5	−1.4	35.8	35.8	92.2	0.50 0.50 0.00
$0,5Y_e + 0,5W_e$	89.8	−1.4	35.8	35.8	92.2	1.00 1.00 0.50
$G00B_e = G_e$	85.8	−58.9	18.8	61.9	162.2	0.00 1.00 0.00
$0,5G_e + 0,5N_e$	56.3	−29.4	9.4	30.9	162.2	0.00 0.50 0.00
$0,5G_e + 0,5W_e$	90.6	−29.4	9.4	30.9	162.2	0.50 1.00 0.50
$B00R_e = B_e$	62.4	1.5	−51.1	51.1	271.6	0.00 0.00 1.00
$0,5B_e + 0,5N_e$	44.6	0.7	−25.5	25.5	271.6	0.00 0.00 0.50
$0,5B_e + 0,5W_e$	78.9	0.7	−25.5	25.5	271.6	0.50 0.50 1.00

5-stufige gleichabständige Graureihe: L^*_e = 26.8, 43.9, 61.1, 78.2, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	26.8	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	43.9	0.0	0.0	0.0	325.3	0.25 0.25 0.25
$N050W_e$	61.1	0.0	0.0	0.0	325.1	0.50 0.50 0.50
$N075W_e$	78.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG310−4N, LAB*la4, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =20%

16-stufiger Elementar-Bunttonkreis: Buntton $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	65.6	44.6	21.2	49.4	25.4	1.00 0.00 0.00
$R25Y_e$	71.1	31.3	28.4	42.3	42.2	1.00 0.25 0.00
$R50Y_e$	75.6	20.7	34.4	40.2	58.9	1.00 0.50 0.00
$R75Y_e$	80.3	10.3	40.4	41.7	75.6	1.00 0.75 0.00
$Y00G_e = Y_e$	86.2	−1.9	47.8	47.8	92.3	1.00 1.00 0.00
$Y25G_e$	92.9	−20.0	55.7	59.2	109.7	0.75 1.00 0.00
$Y50G_e$	89.2	−38.3	50.4	63.3	127.2	0.50 1.00 0.00
$Y75G_e$	86.8	−53.7	37.9	65.7	144.7	0.25 1.00 0.00
$G00B_e = G_e$	87.6	−44.9	14.4	47.1	162.1	0.00 1.00 0.00
$G25B_e$	89.1	−35.7	−6.0	36.2	189.6	0.00 1.00 0.50
$G50B_e$	83.8	−24.2	−18.2	30.3	217.0	0.00 1.00 1.00
$G75B_e$	77.6	−13.1	−27.3	30.3	244.2	0.00 0.50 1.00
$B00R_e = B_e$	70.3	1.1	−38.5	38.6	271.7	0.00 0.00 1.00
$B25R_e$	58.1	33.5	−57.7	66.8	300.1	0.50 0.00 1.00
$B50R_e$	69.1	60.4	−36.9	70.8	328.5	1.00 0.00 1.00
$B75R_e$	66.5	49.8	−2.6	49.9	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe: L^*_e = 52.0, 62.8, 73.7, 84.5, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	52.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	62.8	0.0	0.0	0.0	325.1	0.25 0.25 0.25
$N050W_e$	73.7	0.0	0.0	0.0	324.7	0.50 0.50 0.50
$N075W_e$	84.5	0.0	0.0	0.0	323.8	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG311−3N, LAB*la6, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =20%

3 Farben der Elementar-Bunttöne $RYGB_e$: $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	65.6	44.6	21.2	49.4	25.4	1.00 0.00 0.00
$0,5R_e + 0,5N_e$	58.8	22.3	10.6	24.7	25.4	0.50 0.00 0.00
$0,5R_e + 0,5W_e$	80.5	22.3	10.6	24.7	25.4	1.00 0.50 0.50
$Y00G_e = Y_e$	86.2	−1.9	47.8	47.8	92.3	1.00 1.00 0.00
$0,5Y_e + 0,5N_e$	69.1	−0.9	23.9	23.9	92.3	0.50 0.50 0.00
$0,5Y_e + 0,5W_e$	90.8	−0.9	23.9	23.9	92.3	1.00 1.00 0.50
$G00B_e = G_e$	87.6	−44.9	14.4	47.1	162.1	0.00 1.00 0.00
$0,5G_e + 0,5N_e$	69.8	−22.4	7.2	23.5	162.1	0.00 0.50 0.00
$0,5G_e + 0,5W_e$	91.5	−22.4	7.2	23.5	162.1	0.50 1.00 0.50
$B00R_e = B_e$	70.3	1.1	−38.5	38.6	271.7	0.00 0.00 1.00
$0,5B_e + 0,5N_e$	61.1	0.5	−19.2	19.3	271.7	0.00 0.00 0.50
$0,5B_e + 0,5W_e$	82.8	0.5	−19.2	19.3	271.7	0.50 0.50 1.00

5-stufige gleichabständige Graureihe: L^*_e = 52.0, 62.8, 73.7, 84.5, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	52.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	62.8	0.0	0.0	0.0	325.1	0.25 0.25 0.25
$N050W_e$	73.7	0.0	0.0	0.0	324.7	0.50 0.50 0.50
$N075W_e$	84.5	0.0	0.0	0.0	323.8	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG311−4N, LAB*la6, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =10%

16-stufiger Elementar-Bunttonkreis: Buntton $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	58.8	58.8	28.0	65.2	25.4	1.00 0.00 0.00
$R25Y_e$	64.6	43.1	39.0	58.1	42.1	1.00 0.25 0.00
$R50Y_e$	70.8	27.9	46.4	54.2	58.9	1.00 0.50 0.00
$R75Y_e$	77.1	13.7	53.6	55.3	75.6	1.00 0.75 0.00
$Y00G_e = Y_e$	84.9	−2.5	62.2	62.2	92.3	1.00 1.00 0.00
$Y25G_e$	92.1	−25.0	69.6	74.0	109.7	0.75 1.00 0.00
$Y50G_e$	87.8	−48.5	63.7	80.1	127.2	0.50 1.00 0.00
$Y75G_e$	85.4	−64.6	45.6	79.1	144.7	0.25 1.00 0.00
$G00B_e = G_e$	86.4	−54.0	17.3	56.7	162.2	0.00 1.00 0.00
$G25B_e$	88.1	−42.4	−7.2	43.0	189.6	0.00 1.00 0.50
$G50B_e$	81.5	−28.8	−21.7	36.1	216.9	0.00 1.00 1.00
$G75B_e$	74.1	−15.8	−32.8	36.5	244.2	0.00 0.50 1.00
$B00R_e = B_e$	65.2	1.4	−46.7	46.7	271.7	0.00 0.00 1.00
$B25R_e$	46.8	44.3	−76.2	88.2	300.1	0.50 0.00 1.00
$B50R_e$	63.6	75.6	−46.1	88.6	328.5	1.00 0.00 1.00
$B75R_e$	60.2	63.8	−3.2	63.9	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe: L^*_e = 37.9, 52.3, 66.6, 81.0, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	37.9	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	52.2	0.0	0.0	0.0	325.5	0.25 0.25 0.25
$N050W_e$	66.7	0.0	0.0	0.0	324.4	0.50 0.50 0.50
$N075W_e$	81.1	0.0	0.0	0.0	324.7	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG310−7N, LAB*la5, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =10%

3 Farben der Elementar-Bunttöne $RYGB_e$: $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	58.8	58.8	28.0	65.2	25.4	1.00 0.00 0.00
$0,5R_e + 0,5N_e$	48.4	29.4	14.0	32.6	25.4	0.50 0.00 0.00
$0,5R_e + 0,5W_e$	77.1	29.4	14.0	32.6	25.4	1.00 0.50 0.50
$Y00G_e = Y_e$	84.9	−2.5	62.2	62.2	92.3	1.00 1.00 0.00
$0,5Y_e + 0,5N_e$	61.4	−1.2	31.1	31.1	92.3	0.50 0.50 0.00
$0,5Y_e + 0,5W_e$	90.1	−1.2	31.1	31.1	92.3	1.00 1.00 0.50
$G00B_e = G_e$	86.4	−54.0	17.3	56.7	162.2	0.00 1.00 0.00
$0,5G_e + 0,5N_e$	62.2	−27.0	8.6	28.3	162.2	0.00 0.50 0.00
$0,5G_e + 0,5W_e$	90.9	−27.0	8.6	28.3	162.2	0.50 1.00 0.50
$B00R_e = B_e$	65.2	1.4	−46.7	46.7	271.7	0.00 0.00 1.00
$0,5B_e + 0,5N_e$	51.6	0.7	−23.3	23.3	271.7	0.00 0.00 0.50
$0,5B_e + 0,5W_e$	80.3	0.7	−23.3	23.3	271.7	0.50 0.50 1.00

5-stufige gleichabständige Graureihe: L^*_e = 37.9, 52.3, 66.6, 81.0, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	37.9	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	52.2	0.0	0.0	0.0	325.5	0.25 0.25 0.25
$N050W_e$	66.7	0.0	0.0	0.0	324.4	0.50 0.50 0.50
$N075W_e$	81.1	0.0	0.0	0.0	324.7	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG310−8N, LAB*la5, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =40%

16-stufiger Elementar-Bunttonkreis: Buntton $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	77.2	24.4	11.6	27.1	25.4	1.00 0.00 0.00
$R25Y_e$	80.2	17.6	15.9	23.7	42.1	1.00 0.25 0.00
$R50Y_e$	82.8	11.8	19.6	22.9	58.9	1.00 0.50 0.00
$R75Y_e$	85.6	5.9	23.3	24.1	75.6	1.00 0.75 0.00
$Y00G_e = Y_e$	89.0	−1.1	28.1	28.1	92.3	1.00 1.00 0.00
$Y25G_e$	93.9	−12.4	34.5	36.7	109.7	0.75 1.00 0.00
$Y50G_e$	91.4	−23.5	30.9	38.8	127.2	0.50 1.00 0.00
$Y75G_e$	89.4	−34.8	24.6	42.6	144.7	0.25 1.00 0.00
$G00B_e = G_e$	90.0	−29.1	9.3	30.5	162.2	0.00 1.00 0.00
$G25B_e$	91.0	−23.7	−4.0	24.0	189.6	0.00 1.00 0.50
$G50B_e$	87.7	−16.0	−12.0	20.0	216.9	0.00 1.00 1.00
$G75B_e$	83.7	−8.5	−17.7	19.7	244.2	0.00 0.50 1.00
$B00R_e = B_e$	79.1	0.7	−24.8	24.8	271.6	0.00 0.00 1.00
$B25R_e$	73.1	19.7	−33.9	39.2	300.1	0.50 0.00 1.00
$B50R_e$	78.4	36.9	−22.5	43.2	328.5	1.00 0.00 1.00
$B75R_e$	77.0	29.6	−1.5	29.6	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe: L^*_e = 69.6, 76.1, 82.5, 88.9, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	69.6	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	76.1	0.0	0.0	0.0	325.6	0.25 0.25 0.25
$N050W_e$	82.5	0.0	0.0	0.0	326.0	0.50 0.50 0.50
$N075W_e$	88.9	0.0	0.0	0.0	324.2	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG311−7N, LAB*la7, adapted=not adapted

rgb^*_e- und CIE-Daten von Elementar-Bunttonkreis nach CIE R1-47:2009 für *sRGB*-Display L_r =40%

3 Farben der Elementar-Bunttöne $RYGB_e$: $h_{ab,a,e}$ = 25, 92, 162, 271

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$R00Y_e = R_e$	77.2	24.4	11.6	27.1	25.4	1.00 0.00 0.00
$0,5R_e + 0,5N_e$	73.4	12.2	5.8	13.5	25.4	0.50 0.00 0.00
$0,5R_e + 0,5W_e$	86.3	12.2	5.8	13.5	25.4	1.00 0.50 0.50
$Y00G_e = Y_e$	89.0	−1.1	28.1	28.1	92.3	1.00 1.00 0.00
$0,5Y_e + 0,5N_e$	79.3	−0.5	14.0	14.0	92.3	0.50 0.50 0.00
$0,5Y_e + 0,5W_e$	92.2	−0.5	14.0	14.0	92.3	1.00 1.00 0.50
$G00B_e = G_e$	90.0	−29.1	9.3	30.5	162.2	0.00 1.00 0.00
$0,5G_e + 0,5N_e$	79.8	−14.5	4.6	15.2	162.2	0.00 0.50 0.00
$0,5G_e + 0,5W_e$	92.7	−14.5	4.6	15.2	162.2	0.50 1.00 0.50
$B00R_e = B_e$	79.1	0.7	−24.8	24.8	271.6	0.00 0.00 1.00
$0,5B_e + 0,5N_e$	74.4	0.3	−12.4	12.4	271.6	0.00 0.00 0.50
$0,5B_e + 0,5W_e$	87.2	0.3	−12.4	12.4	271.6	0.50 0.50 1.00

5-stufige gleichabständige Graureihe: L^*_e = 69.6, 76.1, 82.5, 88.9, 95.4

Code	$L^*_{a,e}$	$a^*_{a,e}$	$b^*_{a,e}$	$C^*_{ab,a,e}$	$h_{ab,e}$	rgb^*_e
$N000W_e = N_e$	69.6	0.0	0.0	0.0	0.0	0.00 0.00 0.00
$N025W_e$	76.1	0.0	0.0	0.0	325.6	0.25 0.25 0.25
$N050W_e$	82.5	0.0	0.0	0.0	326.0	0.50 0.50 0.50
$N075W_e$	88.9	0.0	0.0	0.0	324.2	0.75 0.75 0.75
$N100W_e = W_e$	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

SG311−8N, LAB*la7, adapted=not adapted

TUB-Material: Code=rha4ta