

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=5%

16 step elementary hue circle with hues: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, R25Y<sub>e</sub>, R50Y<sub>e</sub>, R75Y<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, Y25G<sub>e</sub>, Y50G<sub>e</sub>, Y75G<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, G25B<sub>e</sub>, G50B<sub>e</sub>, G75B<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, B25R<sub>e</sub>, B50R<sub>e</sub>, B75R<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 26.8, 43.9, 61.1, 78.2, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN310-3N, LAB\*la4, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=5%

3 colours of the elementary hues RYGB<sub>e</sub>: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, 0.5R<sub>e</sub>+0.5N<sub>e</sub>, 0.5R<sub>e</sub>+0.5W<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, 0.5Y<sub>e</sub>+0.5N<sub>e</sub>, 0.5Y<sub>e</sub>+0.5W<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, 0.5G<sub>e</sub>+0.5N<sub>e</sub>, 0.5G<sub>e</sub>+0.5W<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, 0.5B<sub>e</sub>+0.5N<sub>e</sub>, 0.5B<sub>e</sub>+0.5W<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 26.8, 43.9, 61.1, 78.2, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN310-4N, LAB\*la4, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=20%

16 step elementary hue circle with hues: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, R25Y<sub>e</sub>, R50Y<sub>e</sub>, R75Y<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, Y25G<sub>e</sub>, Y50G<sub>e</sub>, Y75G<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, G25B<sub>e</sub>, G50B<sub>e</sub>, G75B<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, B25R<sub>e</sub>, B50R<sub>e</sub>, B75R<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 52.0, 62.8, 73.7, 84.5, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN311-3N, LAB\*la6, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=20%

3 colours of the elementary hues RYGB<sub>e</sub>: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, 0.5R<sub>e</sub>+0.5N<sub>e</sub>, 0.5R<sub>e</sub>+0.5W<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, 0.5Y<sub>e</sub>+0.5N<sub>e</sub>, 0.5Y<sub>e</sub>+0.5W<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, 0.5G<sub>e</sub>+0.5N<sub>e</sub>, 0.5G<sub>e</sub>+0.5W<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, 0.5B<sub>e</sub>+0.5N<sub>e</sub>, 0.5B<sub>e</sub>+0.5W<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 52.0, 62.8, 73.7, 84.5, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN311-4N, LAB\*la6, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=10%

16 step elementary hue circle with hues: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, R25Y<sub>e</sub>, R50Y<sub>e</sub>, R75Y<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, Y25G<sub>e</sub>, Y50G<sub>e</sub>, Y75G<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, G25B<sub>e</sub>, G50B<sub>e</sub>, G75B<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, B25R<sub>e</sub>, B50R<sub>e</sub>, B75R<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 37.9, 52.3, 66.6, 81.0, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN310-7N, LAB\*la5, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=10%

3 colours of the elementary hues RYGB<sub>e</sub>: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, 0.5R<sub>e</sub>+0.5N<sub>e</sub>, 0.5R<sub>e</sub>+0.5W<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, 0.5Y<sub>e</sub>+0.5N<sub>e</sub>, 0.5Y<sub>e</sub>+0.5W<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, 0.5G<sub>e</sub>+0.5N<sub>e</sub>, 0.5G<sub>e</sub>+0.5W<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, 0.5B<sub>e</sub>+0.5N<sub>e</sub>, 0.5B<sub>e</sub>+0.5W<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 37.9, 52.3, 66.6, 81.0, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN310-8N, LAB\*la5, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=40%

16 step elementary hue circle with hues: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, R25Y<sub>e</sub>, R50Y<sub>e</sub>, R75Y<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, Y25G<sub>e</sub>, Y50G<sub>e</sub>, Y75G<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, G25B<sub>e</sub>, G50B<sub>e</sub>, G75B<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, B25R<sub>e</sub>, B50R<sub>e</sub>, B75R<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 69.6, 76.1, 82.5, 88.9, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN311-7N, LAB\*la7, adapted-not adapted

rgb% and CIE data of a elementary (e) hue circle  
according to CIE R1-47:2009 for sRGB display Lr=40%

3 colours of the elementary hues RYGB<sub>e</sub>: h<sub>ab,a,e</sub> = 25, 92, 162, 271

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include R00Y<sub>e</sub>=R<sub>e</sub>, 0.5R<sub>e</sub>+0.5N<sub>e</sub>, 0.5R<sub>e</sub>+0.5W<sub>e</sub>, Y00G<sub>e</sub>=Y<sub>e</sub>, 0.5Y<sub>e</sub>+0.5N<sub>e</sub>, 0.5Y<sub>e</sub>+0.5W<sub>e</sub>, G00B<sub>e</sub>=G<sub>e</sub>, 0.5G<sub>e</sub>+0.5N<sub>e</sub>, 0.5G<sub>e</sub>+0.5W<sub>e</sub>, B00R<sub>e</sub>=B<sub>e</sub>, 0.5B<sub>e</sub>+0.5N<sub>e</sub>, 0.5B<sub>e</sub>+0.5W<sub>e</sub>.

5 step equidistant grey scale: L\*<sub>e</sub> = 69.6, 76.1, 82.5, 88.9, 95.4

Table with 7 columns: Code, L\*<sub>a,e</sub>, a\*<sub>a,e</sub>, b\*<sub>a,e</sub>, C\*<sub>ab,a,e</sub>, h<sub>ab,e</sub>, rgb\*<sub>e</sub>. Rows include N000W<sub>e</sub>=N<sub>e</sub>, N025W<sub>e</sub>, N050W<sub>e</sub>, N075W<sub>e</sub>, N100W<sub>e</sub>=W<sub>e</sub>.

SN311-8N, LAB\*la7, adapted-not adapted

TUB-test chart SN31; CIE data sRGB display  
elementary hue circle; mixture colours; Lr=5 to 40%

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

see similar files: http://130.149.60.45/~farbmetrik/SN31/SN31.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-SN31/SN31LONA.TXT /PS  
application for measurement of display output

TUB material: code=rha4ta