There are four elementary hues on each page: Red R, Yellow J (=french Jaune), Green G, and Blue B. Input data 1 0 0 should produce Red R=R_e. Input data 0 1 0 should produce Green G=G_e. Input data 0 0 1 should produce Blue B=B_e. Input data 1 1 0 should produce Yellow $J=Y_e$. The elementary hues Red R and Green G should locate on the horizontal axis.

should locate on the vertical axis. This test uses a hue circle with 20 hues.

No. 00 and 10 should be Red R and Green G. No. 05 and 15 should be Yellow J and Blue B.

Are no. 00, 05, 10, and 15 the four elementary hues R, J, G and B? underline: Yes/No Only in case of "No": inapplicable

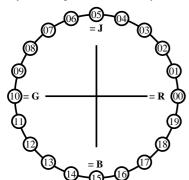
Elementary Red R is hue step no. (e. g. 00, 01, 19) (neither vellowish nor blueish) Elementary Yellow J is hue step no. (e. g. 05, 04, 06) (neither reddish nor greenish) Elementary Green G is hue step no. (e. g. 10, 09, 11) (neither yellowish nor blueish) Elementary Blue B is hue step no. (e. g. 15, 14, 16) (neither reddish nor greenish)

Result: Of the 4 elementary hues (e.g. three) are at the intended location

VE650-3, De150-3

Discriminability of colours with 20 hues (Yes/No decision) Example PostScript Printer

Layout example: discriminability of 20 hues Test chart 1 (rgb) according to DIN 33872-5



There are four elementary hues on each page: Red R, Yellow J (=french Jaune), Green G, and Blue B. Input data 1 0 0 should produce Red R=R_e. Input data 0 1 0 should produce Green G=G_e. Input data 0 0 1 should produce Blue B=B_e. Input data 1 1 0 should produce Yellow J=Y_e. Four hue steps are between:

Red R and Yellow J, Yellow J and Green G, Green G and Blue B, and Blue B and Red R.

This test uses a hue circle with 20 hues. All 20 hues should be distinguishable.

For this test it is **not** necessary:

1. All 20 differences are visually equal.

2. Elementary hues locate at 00, 05, 10, and 15. underline: Yes/No

Are all 20 colours of the 20 hues distinguishable? Only in case of "No":

The colours of the two hue steps no. (e. g. 00 and 01)00, 01. are not distinguishable The colours of the two hue steps no. (e. g. 14 and 15)10, 11. are not distinguishable The colours of the two hue steps no. (e. g. 15 and 16)15, 16. are not distinguishable List other pairs:

Result: Of the 20 hue differences (e.g. 18) ...17... differences are visible.

Page 4: Yes/No, if No ../45 step differences are distinguashable of C = Cyan blue Page 5: Yes/No, if No ../45 step differences are distinguashable of V = Violett blue

Page 6: Yes/No, if No ../45 step differences are distinguashable of M = Magenta Red Page 7: Yes/No, if No ../45 step differences are distinguashable of R = Elementary Red

Page 8: Yes/No, if No ../45 step differences are distinguashable of J = Elementary yellow

Page 9: Yes/No, if No ../45 step differences are distinguashable of G = Elemantary Green Page 10: Yes/No, if No ../45 step differences are distinguashable of B = Elementary blue

Sum: ../10 Yes-Pages and .../450 step differences are distingishable

VE651-7, De121-3

VE650-7, De151-3 Test charts 1 (rgb), Agreement elementary colours and discriinput: rgb - > rgbd/rgbe setrgbcolor minability of 20 hues (DIN 33872-5); discriminability of 16 step colour scales (DIN 33872-2)

See original or copy: http://web.me.com/klaus.richter/VE65/VE65L0NP.PDF /.PS Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik