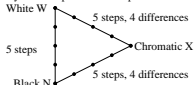


Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series **HP Color LaserJet CP1514n**



There are three basic colours on each page:

Black N, White W and Chromatic X.

Ten pages include 10 hue planes

X = OYLVCVM and RJGB.

There are at maximum 12 distinguishable steps.

PS test chart 2 (cmy0 -> cym04) according to DIN 33872-2, file -> PS printer

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages?

underline: Yes/No

in case of No: Are the three 5 step series on Page x of 10 pages distinguishable? **inapplicable**

Underline Yes/No and give in case of No the number of distinguishable steps?

Page 1: Yes/No, if No .../12 step differences are distinguishable of O = Orange Red

Page 2: Yes/No, if No .../12 step differences are distinguishable of Y = Yellow

Page 3: Yes/No, if No .../12 step differences are distinguishable of L = Leaf green

Page 4: Yes/No, if No .../12 step differences are distinguishable of C = Cyan blue

Page 5: Yes/No, if No .../12 step differences are distinguishable of V = Violet blue

Page 6: Yes/No, if No .../12 step differences are distinguishable of M = Magenta Red

Page 7: Yes/No, if No .../12 step differences are distinguishable of R = Elementary Red

Page 8: Yes/No, if No .../12 step differences are distinguishable of J = Elementary yellow

Page 9: Yes/No, if No .../12 step differences are distinguishable of G = Elementary Green

Page 10: Yes/No, if No .../12 step differences are distinguishable of B = Elementary blue

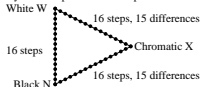
Sum: .../10 Yes-Pages and .../120 step differences are distinguishable

Part 1

LE970-3, De120-3

Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series **HP Color LaserJet CP1514n**



There are three basic colours on each page:

Black N, White W and Chromatic X.

Ten pages include 10 hue planes

X = OYLVCVM and RJGB.

There are at maximum 45 distinguishable steps.

PS test chart 2 (cmy0 -> cym04) according to DIN 33872-2, file -> PS printer

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages?

underline: Yes/No

in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

Page 1: Yes/No, if No .../44/45 step differences are distinguishable of O = Orange Red

Page 2: Yes/No, if No .../45 step differences are distinguishable of Y = Yellow

Page 3: Yes/No, if No .../44/45 step differences are distinguishable of L = Leaf green

Page 4: Yes/No, if No .../44/45 step differences are distinguishable of C = Cyan blue

Page 5: Yes/No, if No .../44/45 step differences are distinguishable of V = Violet blue

Page 6: Yes/No, if No .../45 step differences are distinguishable of M = Magenta Red

Page 7: Yes/No, if No .../45 step differences are distinguishable of R = Elementary Red

Page 8: Yes/No, if No .../44/45 step differences are distinguishable of J = Elementary yellow

Page 9: Yes/No, if No .../44/45 step differences are distinguishable of G = Elementary Green

Page 10: Yes/No, if No .../44/45 step differences are distinguishable of B = Elementary blue

Sum: 3/10 Yes-Pages and 444/450 step differences are distinguishable

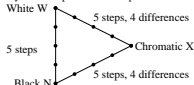
Part 2

LE970-7, De121-3

Printer and display (Lr=2,5%) output, Discriminability of 5 and 16 step colour scales (Two Yes/No decisions)

Discriminability of 5 step colour series (Yes/No decision)

Layout example: three 5 step colour series **Laptop display, MacBook Pro 17", anti glare**



There are three basic colours on each page:

Black N, White W and Chromatic X.

Ten pages include 10 hue planes

X = OYLVCVM and RJGB.

There are at maximum 12 distinguishable steps.

PDF test chart 1 (rgb -> olv = rgba) according to DIN 33872-2, Adobe Acrobat 8

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 5step series distinguishable on all pages?

underline: Yes/No

in case of No: Are the three 5 step series on Page x of 10 pages distinguishable? **inapplicable**

Underline Yes/No and give in case of No the number of distinguishable steps?

Page 1: Yes/No, if No .../12 step differences are distinguishable of O = Orange Red

Page 2: Yes/No, if No .../12 step differences are distinguishable of Y = Yellow

Page 3: Yes/No, if No .../12 step differences are distinguishable of L = Leaf green

Page 4: Yes/No, if No .../12 step differences are distinguishable of C = Cyan blue

Page 5: Yes/No, if No .../12 step differences are distinguishable of V = Violet blue

Page 6: Yes/No, if No .../12 step differences are distinguishable of M = Magenta Red

Page 7: Yes/No, if No .../12 step differences are distinguishable of R = Elementary Red

Page 8: Yes/No, if No .../12 step differences are distinguishable of J = Elementary yellow

Page 9: Yes/No, if No .../12 step differences are distinguishable of G = Elementary Green

Page 10: Yes/No, if No .../12 step differences are distinguishable of B = Elementary blue

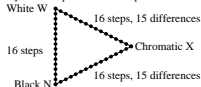
Sum: .../10 Yes-Pages and .../120 step differences are distinguishable

Part 3

LE971-3, De120-3

Discriminability of 16 step colour series (Yes/No decision)

Layout example: three 16 step colour series **Laptop display, MacBook Pro 17", anti glare**



There are three basic colours on each page:

Black N, White W and Chromatic X.

Ten pages include 10 hue planes

X = OYLVCVM and RJGB.

There are at maximum 45 distinguishable steps.

PDF test chart 1 (rgb -> olv = rgba) according to DIN 33872-2, Adobe Acrobat 8

All steps of the three series N-W, W-X and X-N should be distinguishable on all pages.

Are the three 16step series distinguishable on all pages?

underline: Yes/No

in case of No: Are the three 16 step series on Page x of 10 pages distinguishable?

Underline Yes/No and give in case of No the number of distinguishable steps?

Page 1: Yes/No, if No .../44/45 step differences are distinguishable of O = Orange Red

Page 2: Yes/No, if No .../45 step differences are distinguishable of Y = Yellow

Page 3: Yes/No, if No .../44/45 step differences are distinguishable of L = Leaf green

Page 4: Yes/No, if No .../44/45 step differences are distinguishable of C = Cyan blue

Page 5: Yes/No, if No .../43/45 step differences are distinguishable of V = Violet blue

Page 6: Yes/No, if No .../45 step differences are distinguishable of M = Magenta Red

Page 7: Yes/No, if No .../45 step differences are distinguishable of R = Elementary Red

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

Page 9: Yes/No, if No .../44/45 step differences are distinguishable of G = Elementary Green

Page 10: Yes/No, if No .../45 step differences are distinguishable of B = Elementary blue

Sum: 5/10 Yes-Pages and 443/450 step differences are distinguishable

Part 4

LE971-7, De121-3

input: **rgb -> rgba; cmy0 -> cym04**
 output: no change compared to input