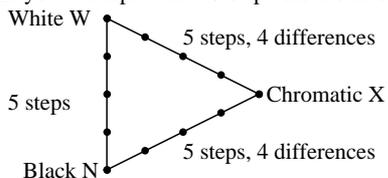


Discriminability of 5 step colour series (Yes/No decision)

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 = OYLCVM and RJGB.
There are at maximum 12 distinguishable steps.

PS test chart 2 (cmy0 -> cym0a)
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 = Violett 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

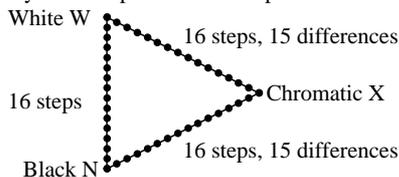
Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

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 = OYLCVM and RJGB.
There are at maximum 45 distinguishable steps.

PS test chart 2 (cmy0 -> cym0a)
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 = Violett 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

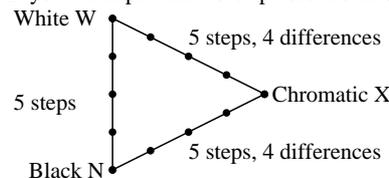
Sum: **3**/10 Yes-Pages and **444**/450 step differences are distinguishable

Part 2

LE970-7, De121-3

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 = OYLCVM 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 = Violett 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

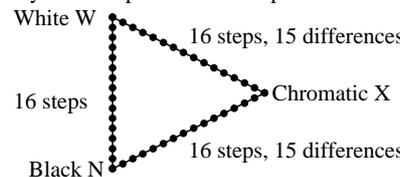
Sum: ../10 Yes-Pages and ../120 step differences are distinguishable

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 = OYLCVM 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 = Violett 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

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

input: **rgb->rgba; cmy0->cmy0d**
output: no change compared to input