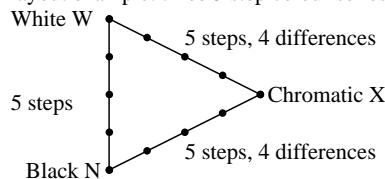


### Discriminability of 5 step colour series (Yes/No decision)

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 1 (rgb -> rgba)  
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?

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

- Page 1: Yes/No, if No **11**/12 step differences are distinguishable of O = Orange Red  
Page 2: Yes/No, if No **11**/12 step differences are distinguishable of Y = Yellow  
Page 3: Yes/No, if No **11**/12 step differences are distinguishable of L = Leaf green  
Page 4: Yes/No, if No **11**/12 step differences are distinguishable of C = Cyan blue  
Page 5: Yes/No, if No **11**/12 step differences are distinguishable of V = Violett blue  
Page 6: Yes/No, if No **11**/12 step differences are distinguishable of M = Magenta Red  
Page 7: Yes/No, if No **11**/12 step differences are distinguishable of R = Elementary Red  
Page 8: Yes/No, if No **11**/12 step differences are distinguishable of J = Elementary yellow  
Page 9: Yes/No, if No **11**/12 step differences are distinguishable of G = Elementary Green  
Page 10: Yes/No, if No **11**/12 step differences are distinguishable of B = Elementary blue

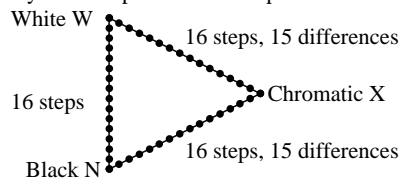
Sum: /10 Yes-Pages and /120 step differences are distinguishable

Part 1

LE920-3, 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 1 (rgb -> rgba)  
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 **40**/45 step differences are distinguishable of O = Orange Red  
Page 2: Yes/No, if No **40**/45 step differences are distinguishable of Y = Yellow  
Page 3: Yes/No, if No **38**/45 step differences are distinguishable of L = Leaf green  
Page 4: Yes/No, if No **40**/45 step differences are distinguishable of C = Cyan blue  
Page 5: Yes/No, if No **36**/45 step differences are distinguishable of V = Violett blue  
Page 6: Yes/No, if No **40**/45 step differences are distinguishable of M = Magenta Red  
Page 7: Yes/No, if No **40**/45 step differences are distinguishable of R = Elementary Red  
Page 8: Yes/No, if No **40**/45 step differences are distinguishable of J = Elementary yellow  
Page 9: Yes/No, if No **39**/45 step differences are distinguishable of G = Elementary Green  
Page 10: Yes/No, if No **39**/45 step differences are distinguishable of B = Elementary blue

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

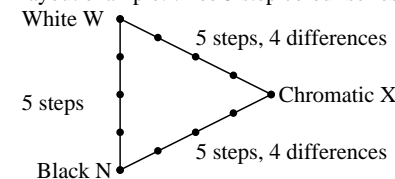
Part 2

LE920-7, De121-3

Printer and offset print 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 **RECS colour atlas, linearized offset print**



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 -> rgb\*d -> cmyn\*d)  
according to DIN 33872-2, file -> offset**

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 **11**/12 step differences are distinguishable of O = Orange Red  
Page 2: Yes/No, if No **11**/12 step differences are distinguishable of Y = Yellow  
Page 3: Yes/No, if No **11**/12 step differences are distinguishable of L = Leaf green  
Page 4: Yes/No, if No **11**/12 step differences are distinguishable of C = Cyan blue  
Page 5: Yes/No, if No **11**/12 step differences are distinguishable of V = Violett blue  
Page 6: Yes/No, if No **11**/12 step differences are distinguishable of M = Magenta Red  
Page 7: Yes/No, if No **11**/12 step differences are distinguishable of R = Elementary Red  
Page 8: Yes/No, if No **11**/12 step differences are distinguishable of J = Elementary yellow  
Page 9: Yes/No, if No **11**/12 step differences are distinguishable of G = Elementary Green  
Page 10: Yes/No, if No **11**/12 step differences are distinguishable of B = Elementary blue

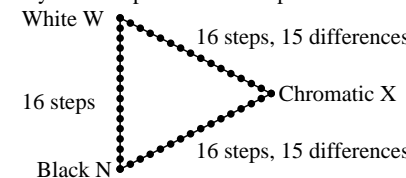
Sum: **11**/10 Yes-Pages and **110**/120 step differences are distinguishable

Part 3

LE921-3, De120-3

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

Layout example: three 16 step colour series **RECS colour atlas, linearized offset print**



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 -> rgb\*d -> cmyn\*d)  
according to DIN 33872-2, file -> offset**

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? **inapplicable**

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

- Page 1: Yes/No, if No **40**/45 step differences are distinguishable of O = Orange Red  
Page 2: Yes/No, if No **40**/45 step differences are distinguishable of Y = Yellow  
Page 3: Yes/No, if No **38**/45 step differences are distinguishable of L = Leaf green  
Page 4: Yes/No, if No **40**/45 step differences are distinguishable of C = Cyan blue  
Page 5: Yes/No, if No **36**/45 step differences are distinguishable of V = Violett blue  
Page 6: Yes/No, if No **40**/45 step differences are distinguishable of M = Magenta Red  
Page 7: Yes/No, if No **40**/45 step differences are distinguishable of R = Elementary Red  
Page 8: Yes/No, if No **40**/45 step differences are distinguishable of J = Elementary yellow  
Page 9: Yes/No, if No **39**/45 step differences are distinguishable of G = Elementary Green  
Page 10: Yes/No, if No **39**/45 step differences are distinguishable of B = Elementary blue

Sum: **40**/10 Yes-Pages and **400**/450 step differences are distinguishable

Part 4

LE921-7, De121-3

input: **rgb->rgb\_d setrgbcolor**  
output: **rgb->rgb\*d set.. (offset)**