

PostScript-(PS)-file or
PortableDocument-(PDF)-file
input PS operators:
w setgray, 000k setcmykcolor
rgb setrgbcolor, cmy0 setcmykcolor
 $k=1-w, c=1-r, m=1-g, y=1-b$

Operating system and any
application program

Any black–white printer output:

Output: equal?, equally spaced?
output PS operators: **achromatic**
000k setcmykcolor
cmy0 setcmykcolor
 $k=1-w, c=1-r, m=1-g, y=1-b$

Any colour printer output:

Output: equal?, equally spaced?
output PS operators: **achromatic**
000k setcmykcolor
kkk0 setcmykcolor
 $k=1-w, c=m=y=k, r=g=b=w$

Any colour printer output:

Output: equal?, equally spaced?
output PS operators: **chromatic**
000k setcmykcolor
cmy0 setcmykcolor
 $k=1-w, c=1-r, m=1-g, y=1-b$