PostScript-Colour Parameters and 1-Minus-Relation (1MR) of rgb and cmyk
01 Colour parameters setgray, setrgbcolor, and setcmykcolor in PostScript.
02
03 k setgray with $0 \le k \le 1$ defines colours in the space DeviceGray.
04 For $k=0$ the colour is black, for $k=1$ the colour is white.
05 For $0 \le k \le 1$ a grey colour is defined between black and white.
06
07 <i>r g b setrgbcolor</i> with $0 \le r, g, b \le 1$ defines colors in the space <i>DeviceRGB</i> .
08 For $r=g=b=0$ the colour is black, for $r=g=b=1$ the colour is white.
09 For $0 \le r, g, b \le 1$ many colours including greys are defined.
10
11 <i>c m y k setcmykcolor</i> mit 0<= <i>cmyk</i> <=1 defines colours in the space <i>DeviceCMYK</i> .
12 If $k=0$ and $c=m=y=1$ the colour is black, for $c=m=y=0$ the colour is white.
13 If $c=m=y=0$ and $k=1$ the colour is black, for $k=0$ the colour is white.
14 For $0 \le c, m, y \le 1$ and $k = 0$ many colours including greys are defined.
15
16 For $0 \le c, m, y \le 1$ and $k = 0$ the minimum of $\{c, m, y\}$ can be changed by k.
17 In this case the new parameters of <i>setcmykcolor</i> are $\{c-k, m-k, y-k, k\}$.
18 Lines 16 and 17 define the 1-Minus-Relation for the <i>cmyk</i> values.
19 The 1-Minus-Relation for values of rgb and $cmy0$ is $r=1-c$, $g=1-m$, $b=1-y$.
Lines 03 to 14: parameters of setgray, setrgbcolor, and setcmykcolor.

Lines 03 to 14: parameters of *setgray, setrgbcolor*, and *setcmykcolor*. Lines 16 to 19: 1-Minus-Relation between {*c*,*m*,*y*,*0*}, {*c*,*m*,*y*,*k*}, and {*r*,*g*,*b*}.

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