

http://130.149.60.45/~farbmetrik/ME34/ME34L0N1.TXT /PS; start output
 N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See original or copy: http://web.me.com/Klaus.Richter/ME34/ME34L0N1.TXT /PS
 Technical information: http://www.ps.bann.de or http://130.149.60.45/~farbmetrik

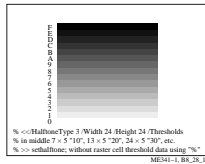
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PSL1-program code: color image and separations with 4 basic colors CMYK
%!PS-Adobe-3.0 d2:[r.p9f]B7251-7n.eps/B9481-8N.eps 12.2.96
%%BoundingBox: 72 90 226 204
/Times-Roman findfont dup length dict begin
{1 index /FD ne {def} {pop pop} ifelse} forall
/Encoding ISOLatin1Encoding def currentdict end
/Times-ISOL1 exch definetone pop
/FS {findfont exch scalefont setfont} bind def
/MM {72 25.4 div mul} def /str {8 string} bind def
%%EndProlog

72 90 translate 0.01 MM 0.01 MM scale
/ausz 4 def %color separation 0=C, 1=M, 2=Y, 3=N, 4=F
/recfi {/height exch def /width exch def /ys exch def /xs exch def
  xs ys moveto width 0 rlineto
  0 height rlineto width neg 0 rlineto closepath
  ausz 0 eq {pop pop pop 1 exch sub setgray} %C
  060 135 [pop] setscreen fill } if
  ausz 1 eq {pop pop 1 exch sub setgray pop} %M
  060 090 [pop] setscreen fill } if
  ausz 2 eq {pop 1 exch sub setgray pop pop} %Y
  060 000 [pop] setscreen fill } if
  ausz 3 eq {1 exch sub setgray pop pop pop} %N
  060 045 [pop] setscreen fill } if
  ausz 4 eq {setcmykcolor
  060 135 [pop] 060 090 [pop] 060 000 [pop] %F
  060 045 [pop] setcolorscreen fill } if} bind def
ausz 3 ge {0.0 0.0 0.0 0.5 0.0 0 5400 4000 recfi}
{0.0 setgray 0 0 moveto 5400 0 rlineto 0 4000
rlineto -5400 0 rlineto closepath stroke} ifelse
ausz 3 ge {1.0 setgray 300 /Times-ISOL1 FS 100 3600 moveto
(basic colors, mixed colors, area coverage) show } if
/xyw {4000 12 div} bind def /xw {5 xyw mul} bind def
/x01 {5 xyw mul} bind def /y0 {1.2 xyw mul} bind def
/x02 {10 xyw mul} bind def
/colors1 %CMYK color rows from bottom to top
[[1.0 0.0 0.0 0.0] [0.0 1.0 0.0 0.0] [0.0 0.0 1.0 0.0]
[0.0 1.0 1.0 0.0] [1.0 0.0 1.0 0.0] [1.0 1.0 0.0 0.0]
[1.0 1.0 1.0 0.0] [0.0 0.0 0.0 0.0] [0.0 0.0 0.0 1.0]] bind def
/colors2
[[0.0 0.0 0.0 0.0] [0.0 0.5 0.0 0.0] [0.0 0.0 0.5 0.0]
[0.0 0.5 0.5 0.0] [0.5 0.0 0.5 0.0] [0.5 0.5 0.0 0.0]
[0.5 0.5 0.5 0.0] [0.0 0.0 0.0 0.0] [0.0 0.0 0.0 0.5]] bind def
0 1 8{/i exch def colors1 i get exec
x01 i xyw mul y0 add xw xyw recfi} for
0 1 8{/i exch def colors2 i get exec
x02 i xyw mul y0 add xw xyw recfi} for
ausz 3 ge {1.0 setgray 300 /Times-ISOL1 FS
/NB (C M Y O=M+Y L=C+Y V=C+M C=M+Y W N ) def
0 1 8{/nr exch def nr xyw mul y0 add x01 1300 sub exch
moveto 40 0 NB nr 6 mul 6 getinterval ashow}for 300 /Times-Roman FS
x01 400 add y0 300 sub moveto (100) show 30 0 rmoveto (%) show
x02 600 add y0 300 sub moveto (70) show 30 0 rmoveto (%) show} if

showpage
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ME34-7, BR_27

TUB-test chart ME34; Richter: Computer graphics, colorimetry
 Colour book series: PostScript and CIE colour spaces no. 8



ME34-1, BR_31

PC-operating systems for Intel 486
 product name and graphic software

manufact.	NeXT	Microsoft	IBM
product name	NeXT-step V.3.3	Windows NT V.3.1	OS/2 V.2.1
scope	300 MByte	100 MByte	40 MByte
storages	16 MByte	12 MByte	8 MByte
graphic software	Display-PostScript	Graphic G.I.(GDI)	Presentat. M.(PM)

ME34-3, BR_30,1

colorness and value in CIEBasedABC

color ABC	value XYZ	color space eg. device coordinates
Lab*	XYZ	CIE 1931 XYZ linear color measure CIELAB 1976 L*a*b* CIELAB measurement
OLV*	OLV	linear color space OLV linear scanner, image setter
RGB*	RGB	Btx-color space OLV* nonlinear space RGB* quadrat./logarithm. scanner

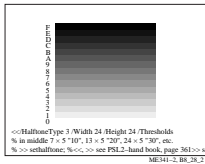
ME34-5, BR_31,1

CIEBasedABC-color space in PSL2
 color rendering XYZ_{aim} - XYZ_{real}

PSL2-program	Software	output	measure	
X _{aim}	L	-> L*	-> L	X _{real}
Y _{aim}	-> M	-> M*	-> M	-> Y _{real}
Z _{aim}	N	-> N*	-> N	Z _{real}
matrix1 decode1 decode2 matrix2 3 x 3 [0.5 exp] [2.0 exp] 3 x 3				

ME34-7, BR_32,1

input: cmyk setcmykcolor
 output: no colour data change

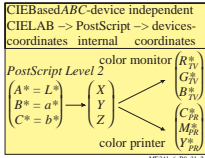


ME34-2, BR_28,3

manufacturer, hardware, operating system and Adobe-PostScript

manu-facturer	Hardware	operating system	Post-Script
Digital	VAX,AXP	OSF/1	Level 2
IBM	RISC 6000	AIX	Level 2
Sun	SPARC	Solaris	Level 2
Adobe	SPARC	X-Window	Level 2
NeXT	Intel, Motorola	Mach	Level 2

ME34-4, BR_30,2



ME34-6, BR_31,2

TUB registration: 0101101-ME34/ME34L0N1.TXT /PS
 application for measurement of printer or monitor systems

TUB material: code=thata