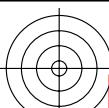
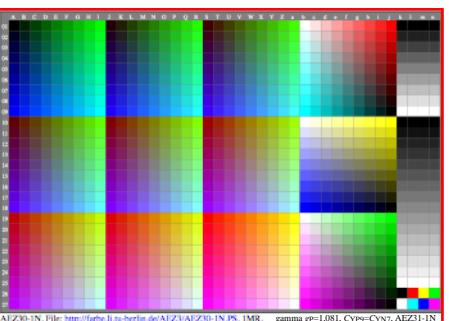
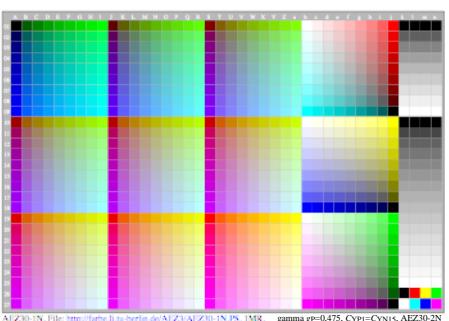


v L o Y M C
http://farbe.li.tu-berlin.de/AEZ3/AEZ3L0NA.TXT/.PS; frame and text file in VG; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/1



see similar files: <http://farbe.li.tu-berlin.de/AEZ3/AEZ3L0NA.TXT/.PS>
technical information: <http://farbe.li.tu-berlin.de/AEZ3/AEZ3.HTM>

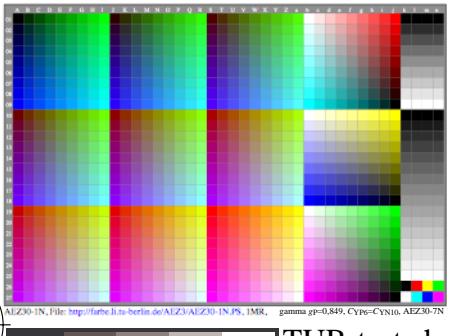
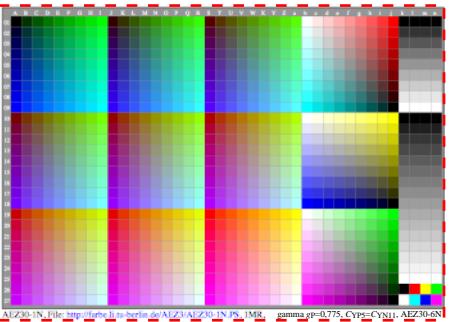


VG → PG ↓	Original VG with standard gamma gp=1,000
File graphic ISO step gamma gp	AEZ31-1N PG CYP8=CYN8 1,000
<i>Application: luminance contrast of sRGB displays: $Y_W : Y_N = 90 : 0,31 = 288 : 1$ according to ISO 9241-306. (contrast without display reflection of room light)</i>	
AEZ31-2N	

↑ VG → VG			
Original VG with standard gamma gp=1,000			
File	graphic	ISO step	gamma gp
AEZ30-1N	VG	$C_{YP8}=C_{YN8}$	1,000
<i>Application: luminance contrast of sRGB displays: $Y_W : Y_N = 90 : 0,31 = 288 : 1$ according to ISO 9241-306. (contrast without display reflection of room light)</i>			
AEZ30-3N			

↑ VG → PG			
Change of original VG with gamma gp=0,475			
File	graphic	ISO step	gamma gp
AEZ30-2N	PG	$C_{YP1}=C_{YN15}$	0,475
<i>Application: Low luminance contrast of projectors: $Y_W : Y_N = 90 : 40 = 2,15 : 1$ according to ISO 9241-306.</i>			
AEZ30-4N			

VG → PG →			
Change of original VG with gamma gp=0,775			
File	graphic	ISO step	gamma gp
AEZ30-6N	PG	$C_{YP5}=C_{YN11}$	0,775
<i>Application: office luminance contrast of displays: $Y_W : Y_N = 90 : 2,5 = 36 : 1$ according to ISO 9241-306. (contrast of offset paper according to ISO/IEC 15775)</i>			
AEZ30-5N			

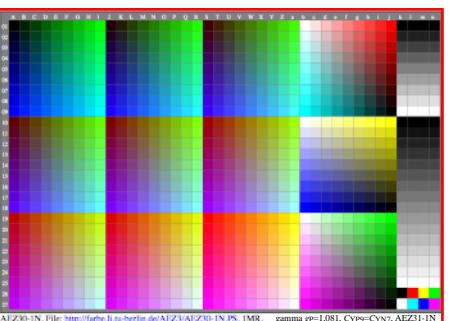


VG → PG ←			
Change original VG with gamma gp=0,850			
File	graphic	ISO step	gamma gp
AEZ30-7N	PG	$C_{YP6}=C_{YN10}$	0,850
<i>Application: mean luminance contrast of displays: $Y_W : Y_N = 90 : 1,25 = 72 : 1$ according to ISO 9241-306. (contrast higher offset paper according to ISO/IEC 15775)</i>			
AEZ30-8N			

AEZ3-1N, File: <http://farbe.li.tu-berlin.de/AEZ3/AEZ3-1N.PS>, 1MR, gamma gp=0,849, Cyp8=CYN10, AEZ3-7N

VG → PG →			
Change original VG with gamma gp=2,105			
File	graphic	ISO step	gamma gp
AEZ31-8N	PG	$C_{YP15}=C_{YN1}$	2,105
<i>Application: extrem luminance contrast of displays: $Y_W : Y_N = 90 : 0,002 = 36864 : 1$ according to ISO 9241-306. (extrem high contrast not known by the visual system)</i>			
AEZ31-7N			

AEZ3-1N, File: <http://farbe.li.tu-berlin.de/AEZ3/AEZ3-1N.PS>, 1MR, gamma gp=2,105, Cyp15=CYN1, AEZ31-8N

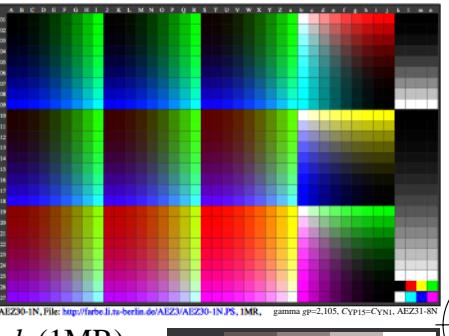


VG → PG ↓	Original VG with standard gamma gp=1,000
File graphic ISO step gamma gp	AEZ31-1N PG $C_{YP8}=C_{YN8}$ 1,000
<i>Application: luminance contrast of sRGB displays: $Y_W : Y_N = 90 : 0,31 = 288 : 1$ according to ISO 9241-306. (contrast without display reflection of room light)</i>	
AEZ31-2N	

↑ VG → VG	Ergonomics of human-system interaction ISO 9241-306:2018
Part 306: Field assessment methods for electronic visual displays	For test charts see http://standards.iso.org/iso/9241/306/ed-2/index.html
For similar ISO-test charts in A4 size see http://standards.iso.org/iso/9241/306/ed-2/AE49/AE49.HTM	
Equal spacing shall appear for the intended device output:	For similar ISO-test charts with output questions see http://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0PX.PDF
If this is NOT the case, then determine visually with the next page the ISO-contrast step which gives the intended result. You may ask the device manufacturer for software solutions. You may change the PDF-file gamma to produce the intended result. Different gamma-change methods in VG or PG graphics are available.	
AEZ31-3N	

PDF- and PS-test files for relative colour image reproduction according to DIN 33872-1 to -6:2010			
These DIN-test charts serve for the colorimetric specification, and the visual assessment of the display and print output.			
For free download of the test charts see	http://farbe.li.tu-berlin.de/A/33872E.html	For similar DIN-test charts according to DIN 33866-1 to -5:2000 see	http://farbe.li.tu-berlin.de/A/DE13/DE13.HTM
For more test charts, standards and applications see	http://farbe.li.tu-berlin.de/A/INFOALAE.html	For a list of publications of Klaus Richter see http://farbe.li.tu-berlin.de/XY91FEN.html	
AEZ31-5N			

VG → PG →			
Ergonomic and colorimetric colour image reproduction			
For the ergonomic and colorimetric colour image reproduction see	http://Richter, Klaus (2016). Output linearization method OLM16 for displays, printers, and offset, 61 pages, 1,4MB, http://farbe.li.tu-berlin.de/OUTLIN16_01.PDF	(Content similar to CIE R8-09/2015, free download for CIE-members.)	
Klaus Richter (2015). Colour, colour vision, and elementary colours in colour information technology, 86 pages, 2,2 MB, see	http://standards.iso.org/iso/9241/306/ed-2/ES15.PDF		
AEZ31-6N			



input: w/rgb/cmyk → rgb (1MR)
output: change of gamma gp

C M Y O L V
AEZ3-1N, File: <http://farbe.li.tu-berlin.de/AEZ3/AEZ3-1N.PS>, 1MR, gamma gp=0,849, Cyp8=CYN10, AEZ3-7N