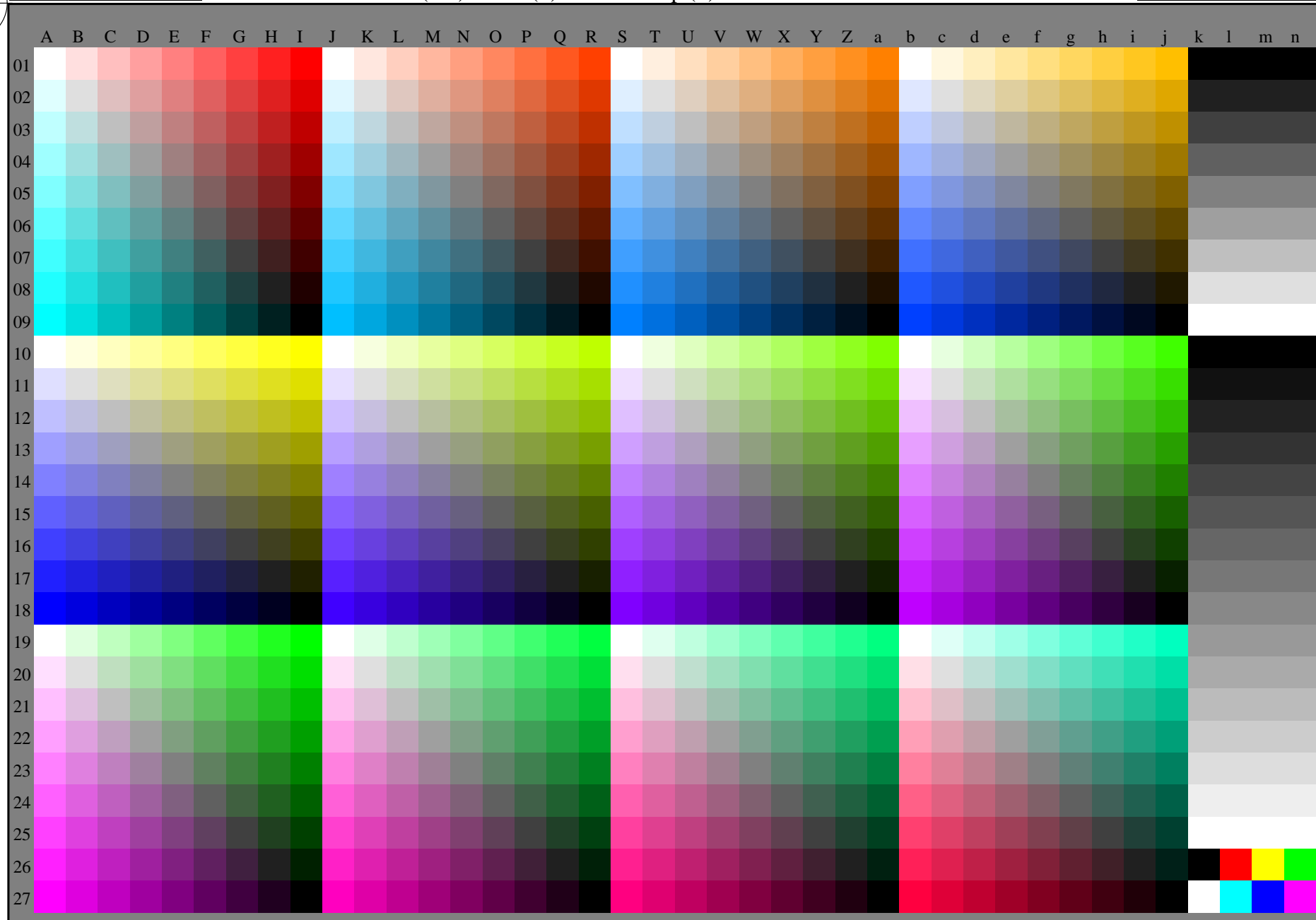


see similar files: <http://farbe.li-tu-berlin.de/AE56/AE56L0NP.PDF> /.PS  
technical information: <http://farbe.li-tu-berlin.de/AE56/AE56L0NP.PDF> or <http://farbe.li-tu-berlin.de/AE56L0NP.PDF> or <http://farbe.li-tu-berlin.de/AE56L0NP.PDF>

TUB Registration: 20190301-AE56/AE56L0NP.PDF /.PS  
application for measurement or viewing of display and print output  
TUB material: code=rh4ta



AE560-70

Test chart AE56 with 1080 colours; 9 or 16 step colour scales; data in column (A-n): **rgb** + **cmY0** (A-j + k26-n27), **000n** (k), **w** (l), **nnn0** (m), **www** (n)

Test chart AE56 similar to test chart 1 of DIN 33872-6  
9x9 scales; 12 hue planes; 16 visual equidistant  $L^*$ -grey steps

input: **rgb/cmy0/000n/w set...**  
output: **->rgb<sub>dd</sub> setrgbcolor**

1-003000-L0 cmy<sub>n</sub>6

see similar files: <http://farbe.li.tu-berlin.de/AE56/AE56.HTM>  
technical information: <http://farbe.li.tu-berlin.de/> or <http://farbe.li.tu-berlin.de/AE.HTM>

TUB Registration: 20190301-AE56/AE56L0NP.PDF /.PS  
application for measurement or viewing of display and print output

TUB material: code=rh4ta



#### Documentation of file format, hardware and software for this test:

**PDF file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_1.PDF](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_1.PDF) underline: Yes/No

**PS file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_1.PS](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_1.PS) underline: Yes/No

**Used computer operating system:**  
either one of Windows/Mac/Unix/other and version:.....

**This evaluation is for the output:** underline: monitor/data projector/printer  
Device model, driver and version:.....

**output with PDF/PS-file:** underline: PDF/PS file

**For output with PDF file AE56F0PX\_CY8\_1.PDF**  
either PDF-file transfer "download, copy" to PDF device.....  
or with computer system interpretation by "Display-PDF":.....  
or with software. e. g. Adobe-Reader-/Acrobat and version:.....  
or with software e. g. Ghostscript and version:.....

**For output with PS file AE56F0PX\_CY8\_1.PS**  
either PS-file transfer "download, copy" to PS device.....  
or with computer system interpretation by "Display-PS":.....  
or with software e. g. Ghostscript and version:.....  
or with software e. g. Mac-Yap and version:.....

Special remarks: e. g. output of Landscape (L)

part 3,

AE560-7dd: 00301

Form A: Test chart AE56 similar to test chart 1 of DIN 33872-6  
9x9 scales; 12 hue planes; 16 visual equidistant  $L^*$ -grey steps



#### Documentation of assessor colour-vision properties for visual assessment

The assessor has **normal** colour vision according to one test:  
either according to DIN 6160:1996 with Anomaloskop of Nagel  
or with test charts using colour points according to Ishihara  
or tested with, please specify: .....  
underline: Yes/No  
underline: Yes/unknown  
underline: Yes/unknown  
underline: Yes/unknown

#### For visual evaluation of the display (Monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky) underline: Yes/No  
**PDF file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_3.PDF) underline: Yes/No  
**PS file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_3.PS) underline: Yes/No  
**picture A7<sub>dd</sub> contrast range:** (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)  
compare standard print output according to ISO/IEC 15775 with range F:0 underline: Yes/No

*Remark: In daylighted offices the contrast range is in many cases:  
on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)*

#### Only for optional colorimetric specification with PDF/PS file output

**PDF file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_3.PDF](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_3.PDF) underline: Yes/No  
**picture A7<sub>dd</sub>** underline: Yes/No  
**PS file:** [http://farbe.li.tu-berlin.de/AE56/AE56F0PX\\_CY8\\_3.PS](http://farbe.li.tu-berlin.de/AE56/AE56F0PX_CY8_3.PS) underline: Yes/No  
**picture A7<sub>dd</sub>** underline: Yes/No

#### colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry: underline: Yes/No  
If No, please give other parameters: .....

**Colorimetric specification for 17 step colours of** <http://farbe.li.tu-berlin.de/OE70/OE70L1NP.PDF>  
Exchange of CIELAB data in file <http://farbe.li.tu-berlin.de/AE82/AE82L0NP.TXT> and transfer  
of the PS file AE82L0NP.PS (= .TXT) to the PDF-file AE82L0NP.PDF underline: Yes/No  
If No, please describe other method: .....

AE561-7dd: 00301

input:  $rgb/cmy0/000n/w$  set...  
output:  $->rgb_{dd}$  set $rgbcolor$

see similar files: <http://farbe.li.tu-berlin.de/AE56/AE56L0NP.PDF> /.PS  
technical information: <http://farbe.li.tu-berlin.de/AE56/AE56L0NP.PDF> /.PS  
or <http://farbe.li.tu-berlin.de/AE56L0NP.PDF> /.PS  
or <http://farbe.li.tu-berlin.de/AE56L0NP.PDF> /.PS

TUB Registration: 20190301-AE56/AE56L0NP.PDF /.PS  
application for measurement or viewing of display and print output  
TUB material: code=rh4ta

i	LAB <sup>*</sup> <sub>ref</sub>	l <sup>*</sup> <sub>out</sub>	LAB <sup>*</sup> <sub>out</sub>	LAB <sup>*</sup> <sub>out-ref</sub>	ΔE <sup>*</sup>	Start output S1
1	0,00	0,00	0,00	0,00	0,00	Specification according to
2	6,36	0,00	0,06	6,36	0,00	ISO/IEC 15775 Annex G
3	12,72	0,00	0,13	12,72	0,00	and DIN 33866-1 Annex G
4	19,08	0,00	0,20	19,08	0,00	
5	25,44	0,00	0,26	25,44	0,00	
6	31,80	0,00	0,33	31,80	0,00	
7	38,16	0,00	0,40	38,16	0,00	
8	44,52	0,00	0,46	44,52	0,00	
9	50,88	0,00	0,53	50,88	0,00	
10	57,24	0,00	0,60	57,24	0,00	
11	63,60	0,00	0,66	63,60	0,00	
12	69,96	0,00	0,73	69,96	0,00	
13	76,32	0,00	0,80	76,32	0,00	
14	82,68	0,00	0,86	82,68	0,00	
15	89,04	0,00	0,93	89,04	0,00	
16	95,41	0,00	1,00	95,41	0,00	
17	0,00	0,00	0,00	0,00	0,00	
18	23,85	0,00	0,25	23,85	0,00	
19	47,70	0,00	0,50	47,70	0,00	
20	71,55	0,00	0,75	71,55	0,00	
21	95,41	0,00	1,00	95,41	0,00	

Mean lightness difference (16 steps)  
ΔE<sup>\*</sup><sub>CIELAB</sub> = 0,0

Mean lightness difference (5 steps)  
ΔL<sup>\*</sup><sub>CIELAB</sub> = 0,0

Mean colour reproduction index: R<sup>\*</sup><sub>ab,m</sub> = 99,9

part 1,

AE560-3dd: 00302



part 2,

AE561-3dd: 00302

L <sup>*</sup> /Y <sub>intended</sub> (absolute)	0,0/0,0	6,3/0,7	12,7/1,5	19,0/2,7	25,4/4,5	31,8/6,9	38,1/10,1	44,5/14,2	50,8/19,1	57,2/25,1	63,6/32,3	69,9/40,7	76,3/50,4	82,6/61,5	89,0/74,2	95,4/88,5
w <sup>*</sup> w <sup>*</sup> w <sup>*</sup> setrgb																
gp=1,000																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
w <sup>*</sup> =l <sup>*</sup> <sub>CIELAB, r</sub> (relative)																
w <sup>*</sup> <sub>intended</sub>	0,000	0,067	0,133	0,200	0,267	0,333	0,400	0,467	0,533	0,600	0,667	0,733	0,800	0,867	0,933	1,000
w <sup>*</sup> <sub>output</sub>	0,000	0,067	0,133	0,200	0,267	0,333	0,400	0,467	0,533	0,600	0,667	0,733	0,800	0,867	0,933	1,000

part 3, picture A7<sub>dd</sub>: 16 visual equidistant L<sup>\*</sup>-grey steps; PS operator: w<sup>\*</sup> w<sup>\*</sup> w<sup>\*</sup> setrgbcolor

AE560-7dd: 00302

In-out: Test chart AE56 similar to test chart 1 of DIN 33872-6  
Viewing Y contrast Y<sub>W</sub>:Y<sub>N</sub>=88,9:0,31; Y<sub>N</sub>-range 0,0 to <0,46

input: rgb/cmy0/000n/w set...  
output: ->rgb<sub>dd</sub> setrgbcolor