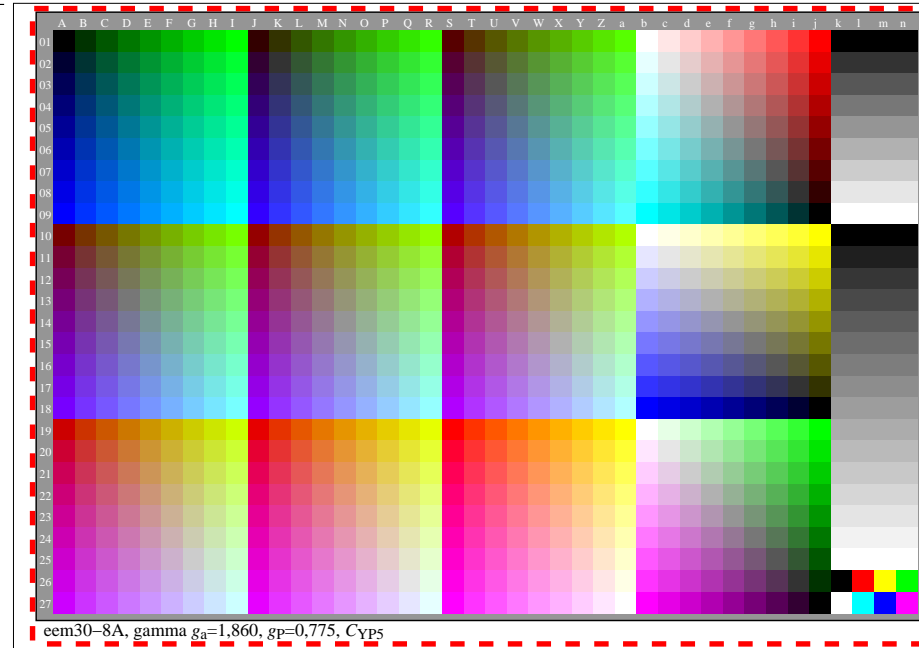
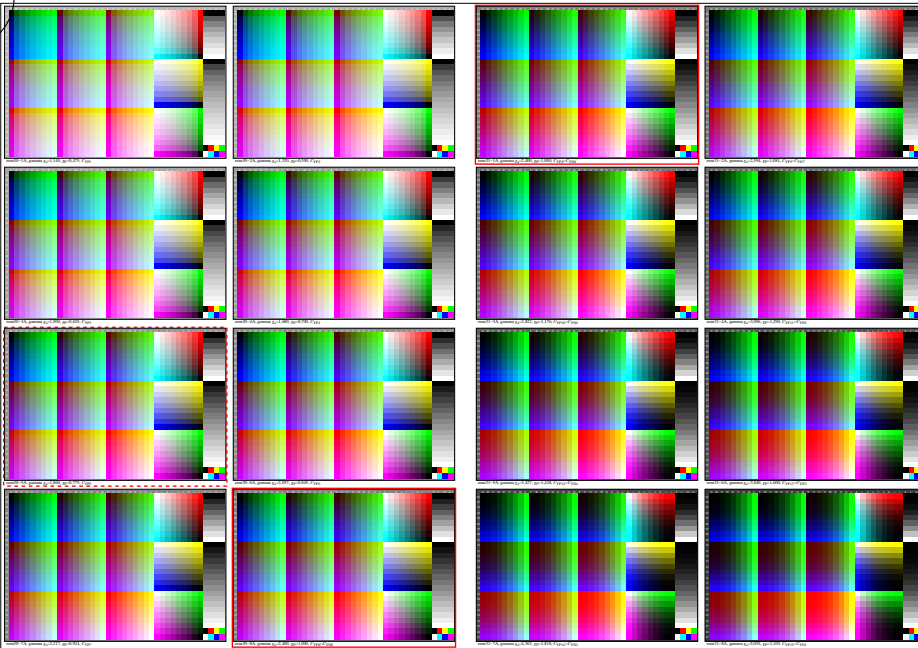


see gamma software and links to ISO-test charts <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20230615-eem3/eem310np.pdf / .ps
 application for evaluation and measurement of display or print output

TUB material: code=rh4ta



Ergonomic equally spaced colour output with free application software for still images and video

Application program

Modify the relative Gamma γ_{rel} for the equally spaced display or print output



1,0

at least relative Gamma values $0,5 \leq \gamma_{rel} \leq 2,0$ with $\Delta\gamma_{rel} = 0,1$
 shall be available compared to the absolute Gamma value
 $\gamma_a = 2,4$ according to IEC 61966-2-1 (sRGB colour space)

Application programs for *macOS 10.15* or later, see a free test version: <http://www.lemkesoft.de>
 For whole display output, see: <https://www.lemkesoft.info/files/gammaadjuster/gammaadjuster.dmg>
 For still images in many files formates, see: <https://www.lemkesoft.info/files/graphicconverter/gc12.dmg>
 For application programs on *Windows* see the paper: <http://color.li.tu-berlin.de/RUSCHIN22.PDF>

Produce an ergonomic equally spaced output with the software γ_{rel} . Use for example 1080 colours with 9 step colour series according to ISO CEN DIN 9241-306/ed-2:2018

Standard ISO page of ISO 9241-306 with links to the languages English, French, and German
<https://standards.iso.org/iso/9241/306/ed-2/index.html>

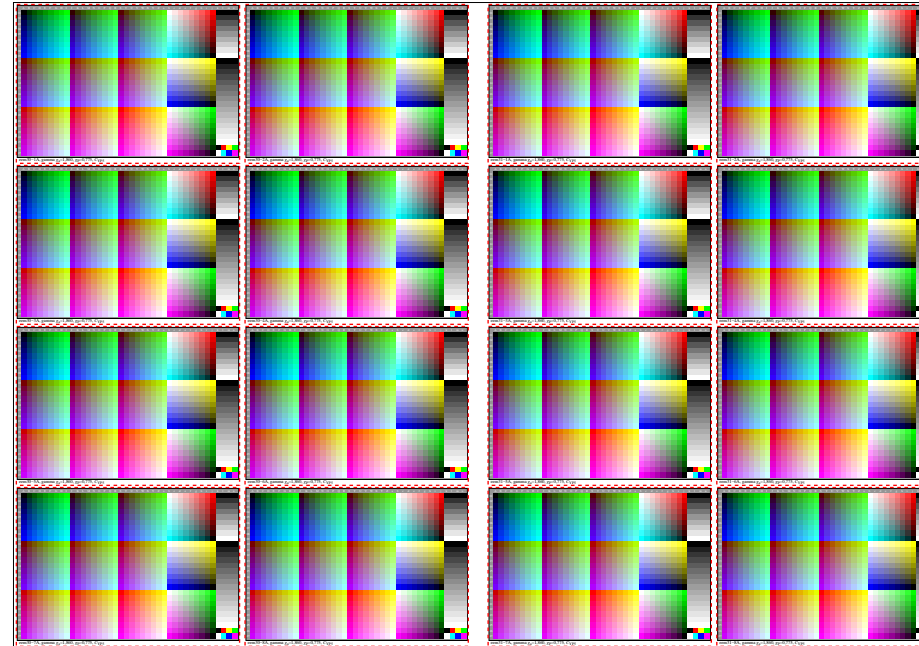
1 or 3 ISO pages, $gP = 1,000$ without or with output questions
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49L1NP.PDF>
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49L0NP.PDF>

8 or 24 ISO pages, $0,475 \leq gP \leq 1,000$ without or with output questions
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0P0.PDF>
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0PX.PDF>

8 or 24 ISO pages, $1,000 \leq gP \leq 2,105$ without or with output questions
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0N0.PDF>
<https://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0NX.PDF>

For similar ISO-test charts of ISO/IEC 15775/ed-2:2022 with 5, 9, and 16 step colour series, see
<https://standards.iso.org/iso-iec/15775/ed-2/en/>

Recommendation, use:
Adobe Reader for the links.
Some Browsers change capital to small letters and output is then not possible.



TUB-test chart eem3; Test charts with 9 step colour series for ergonomic linearized display output
 Gamma optimization for 15 ambient display reflections according to ISO 9241-306; $\gamma_{rel}=0,775$

eem30-7n

eem31-7n, AEW70-7N, gp=0,775