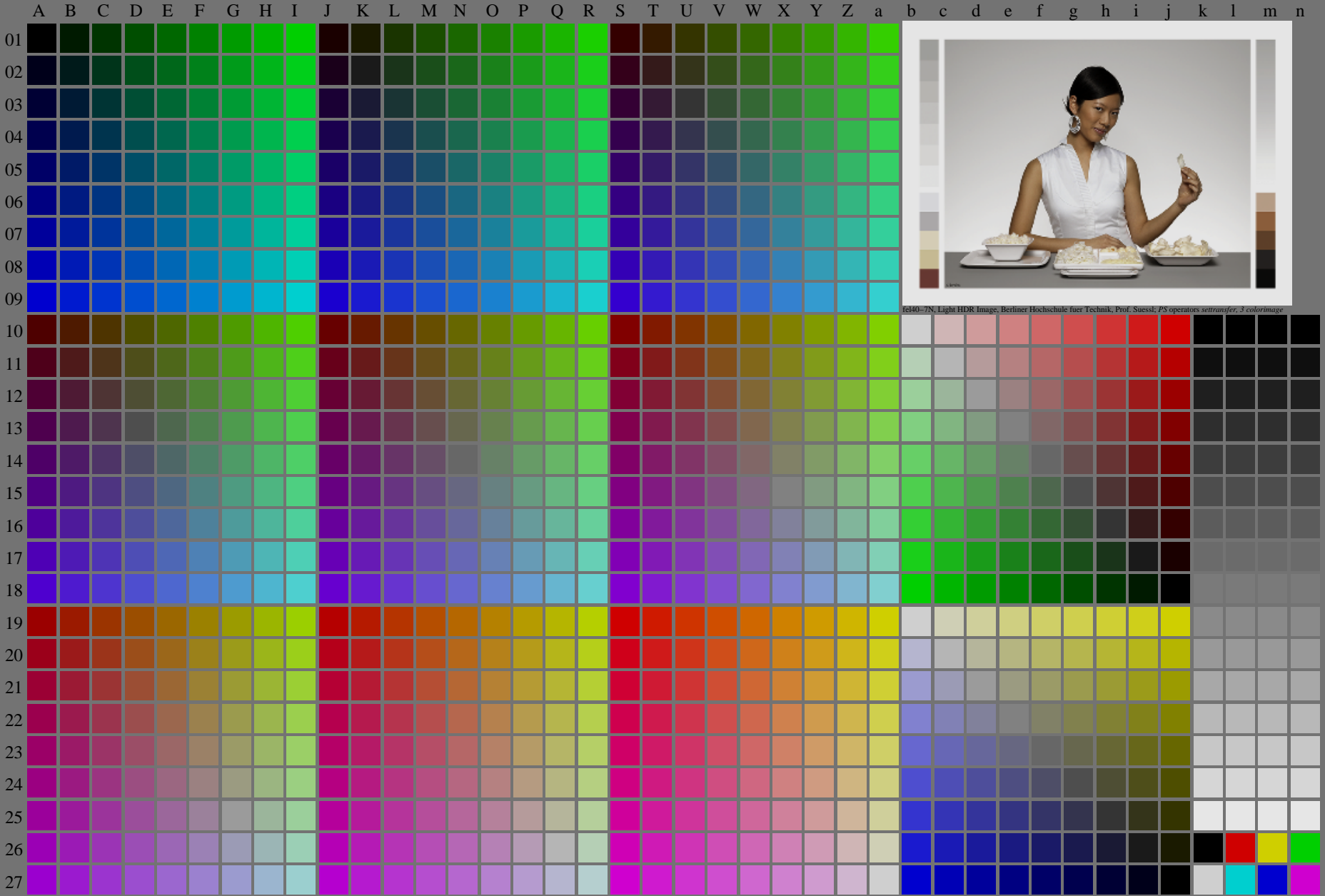


<http://farbe.li.tu-berlin.de/fel4/fel410na.txt> / .ps; only vector graphic VG; start output
see separate images of this page: <http://farbe.li.tu-berlin.de/fel4/fel4.htm>

see similar files of the whole series: <http://farbe.li.tu-berlin.de/fels.htm>
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fel4/fel410na.txt / .ps
application for evaluation and measurement of display or print output
TUB material: code=rh4ta



fel40-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): $rgb^*_d(A_n)$, $colorm = 1$, $xchart = 0$, $pchart = 0$

TUB-test chart fel4; fel4: Test chart uh_d09 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb
Digital equidistant 9 or 16 step colour scales, L-HDR; $\gamma_R=0,9$
-> $rgb^*_d, 130-0$

http://farbe.li.tu-berlin.de/fel4/fel410fa.txt / .ps; only vector graphic VG; start output

see separate images of this page: http://farbe.li.tu-berlin.de/fel4/fel4.htm

see similar files of the whole serie: http://farbe.li.tu-berlin.de/fels.htm
technical information: http://farbe.li.tu-berlin.de/A/33872E.html
or http://standards.iso.org/iso/9241/306/ed-2/index.html

TUB registration: 20240301-fel4/fel410fa.txt / .ps
application for evaluation and measurement of display or print output
TUB material: code rha4ta

Table with 28 columns (A-Z) and 28 rows (01-27). Each cell contains a 28x28 grid of numerical values representing color calibration data. The values are organized in a structured grid format, with each row and column corresponding to a specific color channel or step.

fel4-10, Page 2/3, Test chart G with 40x27=1080 colors; digital equivalent 9 or 16 step colour scales; Colour data by Channel (A-n): rgb*(A_j + k26_N/100), 000n*(k), w*(l), nnn*(m), www*(n), column = 1, xchart = 0, pchart = 1

TUB-test chart fel4; fel4: Test chart wh_d09 with 40x27=1080 colors; 1MR, DH 000n/w/cmy0/rgb
Digital equivalent 9 or 16 step colour scales, L-DR=2; $\gamma_R=0=9$
->rgb*_d, 130:1

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fels.htm>
 technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>
 or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fel4/fel410fa.txt /.ps
 application for evaluation and measurement of display or print output
 TUB material: code=rh4ta

| i | LAB*ref | l*out | LAB*out | LAB*out/c-ref | ΔE^* |
|----|---------|-------|---------|---------------|--------------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 2 | 6.36 | 0.0 | 0.07 | 6.36 | 0.01 |
| 3 | 12.72 | 0.0 | 0.13 | 12.72 | 0.01 |
| 4 | 19.08 | 0.0 | 0.2 | 19.08 | 0.01 |
| 5 | 25.44 | 0.0 | 0.27 | 25.44 | 0.01 |
| 6 | 31.8 | 0.0 | 0.33 | 31.8 | 0.01 |
| 7 | 38.16 | 0.0 | 0.4 | 38.16 | 0.01 |
| 8 | 44.52 | 0.0 | 0.47 | 44.52 | 0.01 |
| 9 | 50.89 | 0.0 | 0.53 | 50.89 | 0.01 |
| 10 | 57.25 | 0.0 | 0.6 | 57.25 | 0.01 |
| 11 | 63.61 | 0.0 | 0.67 | 63.61 | 0.01 |
| 12 | 69.97 | 0.0 | 0.73 | 69.97 | 0.01 |
| 13 | 76.33 | 0.0 | 0.8 | 76.33 | 0.01 |
| 14 | 82.69 | 0.0 | 0.87 | 82.69 | 0.01 |
| 15 | 89.05 | 0.0 | 0.93 | 89.05 | 0.01 |
| 16 | 95.41 | 0.0 | 1.0 | 95.41 | 0.01 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 18 | 23.85 | 0.0 | 0.25 | 23.85 | 0.01 |
| 19 | 47.71 | 0.0 | 0.5 | 47.71 | 0.01 |
| 20 | 71.56 | 0.0 | 0.75 | 71.56 | 0.01 |
| 21 | 95.41 | 0.0 | 1.0 | 95.41 | 0.01 |

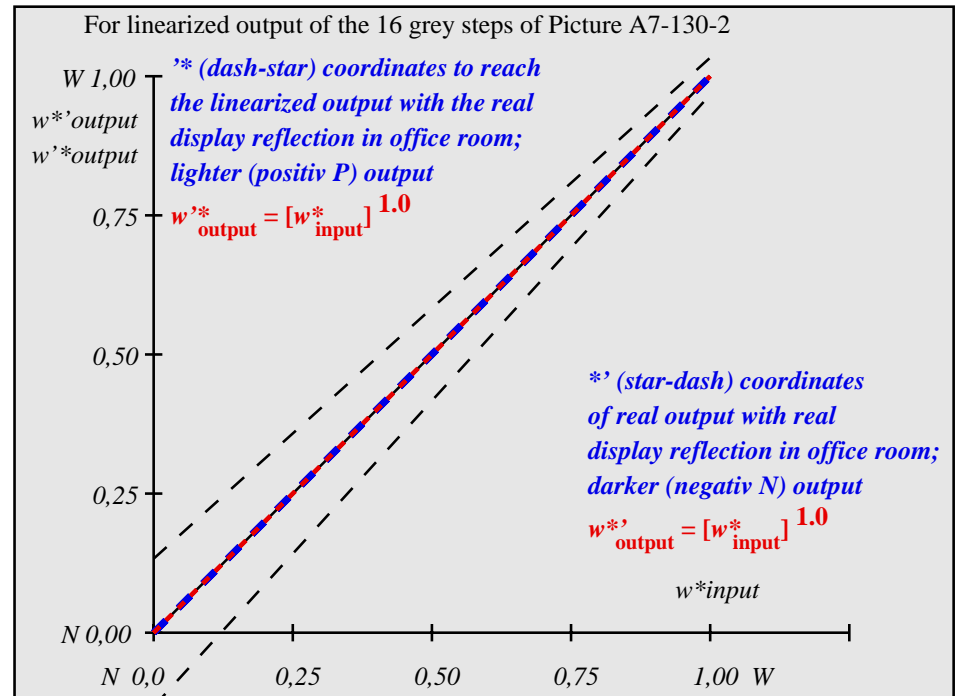
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)
 $\Delta E^*_{CIELAB} = 0.0$

Mean lightness difference (5 steps)
 $\Delta L^*_{CIELAB} = 0.0$

Mean colour reproduction index: $R^*_{ab,m} = 100$

fel40-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fel41-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y^*_{intended}$ (absolute) | 0.0/0.0 | 6.4/0.7 | 12.7/1.5 | 19.1/2.8 | 25.4/4.6 | 31.8/7.0 | 38.2/10.2 | 44.5/14.2 | 50.9/19.2 | 57.2/25.2 | 63.6/32.3 | 70.0/40.7 | 76.3/50.4 | 82.7/61.6 | 89.0/74.3 | 95.4/88.6 |
|---------------------------------------|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^* w^* w^*$ setrgb gp=1.0 | | | | | | | | | | | | | | | | |
| 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 |
| $w^* = l^*_{CIELAB, r}$ (relative) | | | | | | | | | | | | | | | | |
| $w^*_{intended}$ | 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^*_{out} | 0.0 | 0.067 | 0.133 | 0.2 | 0.267 | 0.333 | 0.4 | 0.467 | 0.533 | 0.6 | 0.667 | 0.733 | 0.8 | 0.867 | 0.933 | 1.0 |

fel40-7N-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*_{setrgbcolor}$

TUB-test chart fel4; fel4: In-output relation according to ISO 9241-306; 1MR, DH 000n/w/cmy0/rgb
 Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46, L-HDR; $\gamma_R=0,9$ ->rgb*_d, 130-2: