

www.ps.bam.de/CE69/10L/L69E00FP.PS/.PDF; linearized output
F: Output Linearization (OL) data CE69/10L/L69E00FP.DAT in File (F)



BAM registration: 20040101-CE69/10L/L69E00FPPS/.PDF BAM material: code=rha4ta
Application for achromatic display output with CIELAB contrast range $L^*w:L^*_n = 95.4 : 0.0$

See for similar files: <http://www.ps.bam.de/C69>
Technical information: <http://www.ps.bam.de/924>

Version 2.0, io=d,d, CIEXYZ, 1.0 exp

L^*/Y_{intended}	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
(absolute)																
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)																
$\frac{w^*}{Y_t} / \frac{Y_t}{Y_{t\max}}$	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

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: *000n* setmykcolor*

L^*/Y_{intended}	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
(absolute)																
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} $Y_t / Y_{t\max}$	0.0 0.0	0.067 0.008	0.133 0.017	0.2 0.031	0.267 0.051	0.333 0.079	0.4 0.115	0.467 0.16	0.533 0.216	0.6 0.284	0.667 0.365	0.733 0.459	0.8 0.569	0.867 0.695	0.933 0.838	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $w^* setgray$

$L^*/Y_{intended}$	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
(absolute)																
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)																
$\frac{w^*}{Y^*_{intended}}$	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
Y^* / Y^*_{max}	0.0	0.008	0.017	0.031	0.051	0.079	0.115	0.16	0.216	0.284	0.365	0.459	0.569	0.695	0.838	1.0

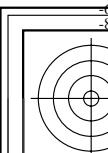
Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $nnn0^n \text{ setcmykcolor}$

$L^*/Y_{intended}$	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
(absolute)																
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
$w^* = I^*_CIELAB, r$																
(relative)																
$W^*_{intended}$	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
Y_t / Y_{tmax}	0.0	0.008	0.017	0.031	0.051	0.079	0.115	0.16	0.216	0.284	0.365	0.459	0.569	0.695	0.838	1.0

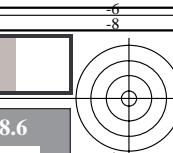
Picture C3: 16 visual equidistant L^* -grey steps; PS operator: `www* setrgbcolor`

ISO 9241-test chart for contrast range $Y_w:Y_n = 88.6 : 0.0$
Ergonomics – Visual Displays – Field Assessment Methods

output: no change compared to input



www.ps.bam.de/CE69/10L/L69E10FP.PS/.PDF; linearized output
F: Output Linearization (OL) data CE69/10L/L69E10FP.DAT in File (F)



BAM registration: 20040101-CE69/10LL69E10FP.PS/.PDF BAM material: code=rha4ta
Application for achromatic display output with CIELAB contrast range $L^*w:L^*n = 95.4:5.7$

See for similar files: <http://www.ps.bam.de/CE89/>
Technical information: <http://www.ps.bam.de/924>

Version 2.0, io=d,d, CIEXYZ, 1.0 exp

$L^*/Y_{intended}$	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
(absolute)																
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
$w^* = l^*_{CIELAB, r}$																
W^* Y_1 / Y_{max}	0.0 0.0	0.069 0.008	0.15 0.021	0.223 0.038	0.292 0.062	0.359 0.093	0.425 0.132	0.49 0.18	0.554 0.238	0.619 0.307	0.682 0.387	0.746 0.481	0.81 0.588	0.873 0.709	0.937 0.846	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $000n^* \text{setcmykcolor}$

$L^*/Y_{intended}$ (absolute)	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
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^*_i / Y_i	0.0	0.069	0.15	0.223	0.292	0.359	0.425	0.49	0.554	0.619	0.682	0.746	0.81	0.873	0.937	1.0
Y_i / Y_{max}	0.0	0.008	0.021	0.038	0.062	0.093	0.132	0.18	0.238	0.307	0.387	0.481	0.588	0.709	0.846	1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $w^* \text{setgray}$

L^*/Y_{intended}	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
(absolute)																
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
$w^* = l^*_{\text{CIELAB}, r}$																
(relative)																
w^*	0.0	0.069	0.15	0.223	0.292	0.359	0.425	0.49	0.554	0.619	0.682	0.746	0.81	0.873	0.937	1.0
Y_i / Y_{max}	0.0	0.008	0.021	0.038	0.062	0.093	0.132	0.18	0.238	0.307	0.387	0.481	0.588	0.709	0.846	1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $nnn0* \text{setcmykcolor}$

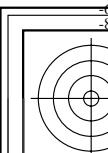
L^*/Y_{intended}	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
(absolute)																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
w*= l^* <i>CIELAB, r</i> (relative)																
$w^*_\text{input,eq}$	0.0	0.069	0.15	0.223	0.292	0.359	0.425	0.49	0.554	0.619	0.682	0.746	0.81	0.873	0.937	1.0
$\bar{Y}_t / \bar{Y}_{\text{max}}$	0.0	0.008	0.021	0.038	0.062	0.093	0.132	0.18	0.238	0.307	0.387	0.481	0.588	0.709	0.846	1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $www^* setrgbcolor$

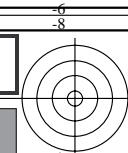
ISO 9241-test chart for contrast range Yw:Yn = 88.6 : 0.6
Ergonomics – Visual Displays – Field Assessment Methods

input: four different (d)
output: no change compared to input





www.ps.bam.de/CE69/10L/L69E20FP.PS/.PDF; linearized output
F: Output Linearization (OL) data CE69/10L/L69E20FP.DAT in File (F)



BAM registration: 20040101-CE69/10L/L69E20FP.PS/.PDF BAM material: code=rha4ta
Application for achromatic display output with CIELAB contrast range $L^*w:L^*_n = 95.4:11.0$

) See for similar files: <http://www.ps.bam.de/CE69/>
Technical information: <http://www.ps.bam.de/9241>

Version 2.0, io=d,d, CIEXYZ, 1.0 exp

1

L^*/Y_{intended}	11.0/1.3	16.6/2.2	22.2/3.6	27.9/5.4	33.5/7.8	39.1/10.7	44.8/14.4	50.4/18.7	56.0/23.9	61.6/30.0	67.3/37.0	72.9/45.0	78.5/54.1	84.2/64.4	89.8/75.8	95.4/88.6
(absolute)																
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
$w^* = l^*_\text{CIELAB}, r$																
(relative)																
$\frac{w^*}{Y_t / Y_{t\max}}$	0.0 0.0	0.089 0.011	0.178 0.027	0.254 0.048	0.323 0.075	0.388 0.109	0.452 0.15	0.514 0.2	0.576 0.26	0.637 0.329	0.698 0.409	0.759 0.501	0.819 0.605	0.879 0.723	0.94 0.854	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: *000n* setcmykcolor*

L^*/Y_{intended}	11.0/1.3	16.6/2.2	22.2/3.6	27.9/5.4	33.5/7.8	39.1/10.7	44.8/14.4	50.4/18.7	56.0/23.9	61.6/30.0	67.3/37.0	72.9/45.0	78.5/54.1	84.2/64.4	89.8/75.8	95.4/88.6
(absolute)																
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
$w^* = l^*_{\text{CIELAB}, r}$																
(relative)																
$\frac{W^*}{Y_t} / \frac{Y_t}{Y_{t\max}}$	0.0	0.089	0.178	0.254	0.323	0.388	0.452	0.514	0.576	0.637	0.698	0.759	0.819	0.879	0.94	1.0
	0.0	0.011	0.027	0.048	0.075	0.109	0.15	0.2	0.26	0.329	0.409	0.501	0.605	0.723	0.854	1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $w^* setgray$

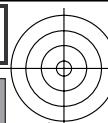
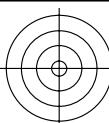
Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $nnn0*setcmykcolor$

L^*/Y_{intended}	11.0/1.3	16.6/2.2	22.2/3.6	27.9/5.4	33.5/7.8	39.1/10.7	44.8/14.4	50.4/18.7	56.0/23.9	61.6/30.0	67.3/37.0	72.9/45.0	78.5/54.1	84.2/64.4	89.8/75.8	95.4/88.6
$w^* = I^*$ <i>(absolute)</i>																
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
$w^* = I^*$ <i>(relative)</i>	0.0	0.089	0.178	0.254	0.323	0.388	0.452	0.514	0.576	0.637	0.698	0.759	0.819	0.879	0.94	1.0
$Y_t / Y_{t\max}$	0.0	0.011	0.027	0.048	0.075	0.109	0.15	0.2	0.26	0.329	0.409	0.501	0.605	0.723	0.854	1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: `www* setrgbcolor`

ISO 9241-test chart for contrast range $Yw:Yn = 88.6 : 1.3$
Ergonomics – Visual Displays – Field Assessment Methods

Input: four different (d)
Output: no change compared to input



BAM registration: 20040101-CE69/10L/L69E30FP.PS/.PDF
 Application for achromatic display output with CIELAB contrast range $L^*/w:L^*n = 95.4 : 18.0$

$L^*/Y_{intended}$ (absolute)	18.0/2.5	23.2/3.8	28.3/5.6	33.5/7.8	38.6/10.5	43.8/13.7	49.0/17.6	54.1/22.1	59.3/27.3	64.4/33.4	69.6/40.2	74.8/47.9	79.9/56.6	85.1/66.2	90.2/76.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.121 0.015	0.214 0.036	0.29 0.061	0.358 0.092	0.422 0.13	0.484 0.175	0.544 0.227	0.603 0.288	0.661 0.358	0.718 0.438	0.775 0.527	0.831 0.628	0.887 0.74	0.944 0.864	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $000n^* setcmykcolor$

$L^*/Y_{intended}$ (absolute)	18.0/2.5	23.2/3.8	28.3/5.6	33.5/7.8	38.6/10.5	43.8/13.7	49.0/17.6	54.1/22.1	59.3/27.3	64.4/33.4	69.6/40.2	74.8/47.9	79.9/56.6	85.1/66.2	90.2/76.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.121 0.015	0.214 0.036	0.29 0.061	0.358 0.092	0.422 0.13	0.484 0.175	0.544 0.227	0.603 0.288	0.661 0.358	0.718 0.438	0.775 0.527	0.831 0.628	0.887 0.74	0.944 0.864	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $w^* setgray$

$L^*/Y_{intended}$ (absolute)	18.0/2.5	23.2/3.8	28.3/5.6	33.5/7.8	38.6/10.5	43.8/13.7	49.0/17.6	54.1/22.1	59.3/27.3	64.4/33.4	69.6/40.2	74.8/47.9	79.9/56.6	85.1/66.2	90.2/76.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.121 0.015	0.214 0.036	0.29 0.061	0.358 0.092	0.422 0.13	0.484 0.175	0.544 0.227	0.603 0.288	0.661 0.358	0.718 0.438	0.775 0.527	0.831 0.628	0.887 0.74	0.944 0.864	1.0 1.0

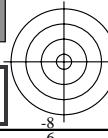
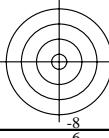
Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $nnn0^* setcmykcolor$

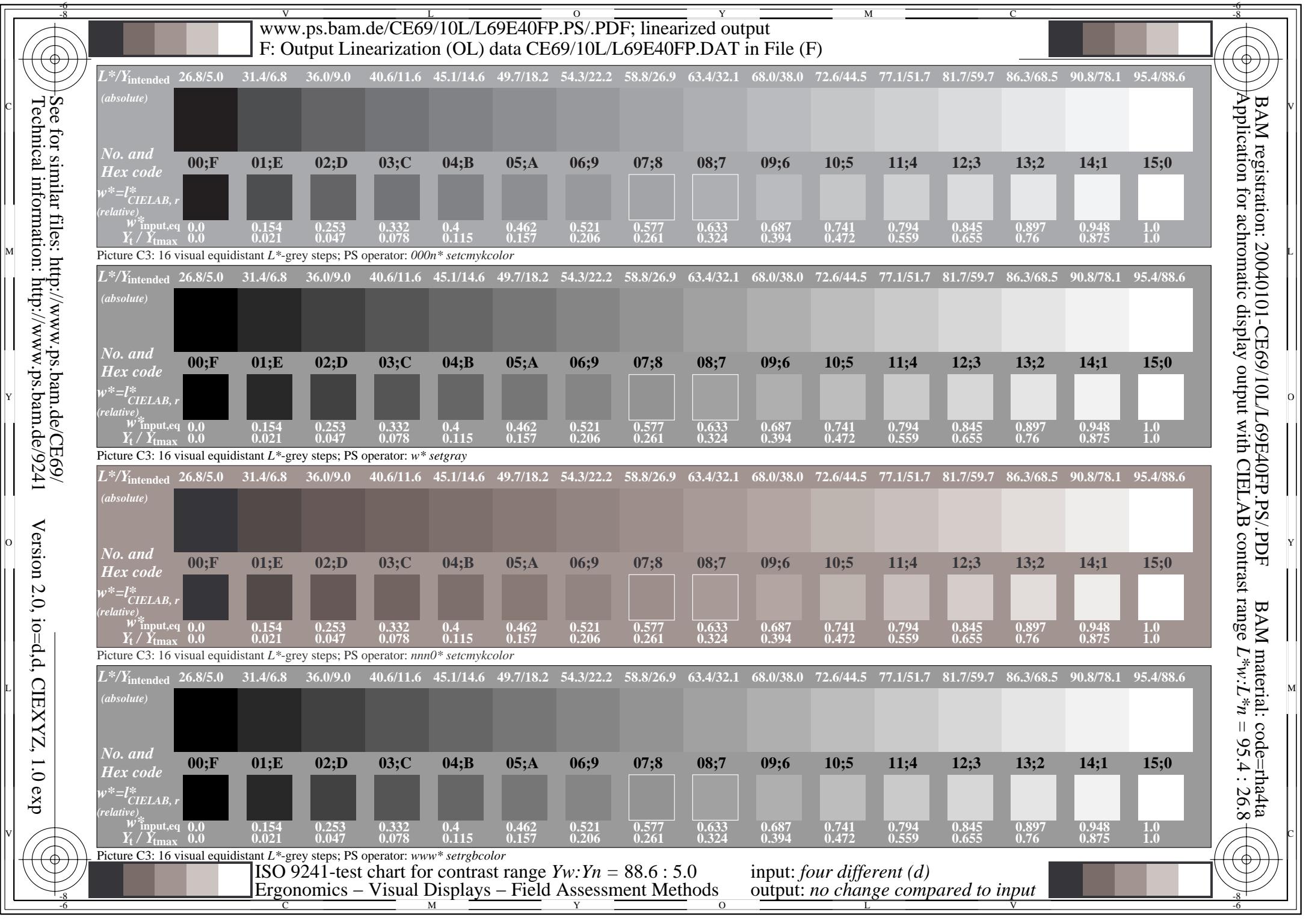
$L^*/Y_{intended}$ (absolute)	18.0/2.5	23.2/3.8	28.3/5.6	33.5/7.8	38.6/10.5	43.8/13.7	49.0/17.6	54.1/22.1	59.3/27.3	64.4/33.4	69.6/40.2	74.8/47.9	79.9/56.6	85.1/66.2	90.2/76.8	95.4/88.6
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^* = l^*_{CIELAB, r}$ (relative)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.121 0.015	0.214 0.036	0.29 0.061	0.358 0.092	0.422 0.13	0.484 0.175	0.544 0.227	0.603 0.288	0.661 0.358	0.718 0.438	0.775 0.527	0.831 0.628	0.887 0.74	0.944 0.864	1.0 1.0

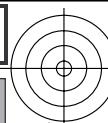
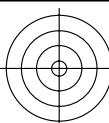
Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $www^* setrgbcolor$

ISO 9241-test chart for contrast range $Y_w:Y_n = 88.6 : 2.5$
 Ergonomics – Visual Displays – Field Assessment Methods

input: four different (d)
 output: no change compared to input







BAM registration: 20040101-CE69/10L/L69E50FP.PS/.PDF
 Application for achromatic display output with CIELAB contrast range $L^*/w:L^*n = 95.4 : 38.0$

$L^*/Y_{intended}$ (absolute)	38.0/10.1	41.8/12.4	45.6/15.0	49.5/18.0	53.3/21.3	57.1/25.1	61.0/29.2	64.8/33.8	68.6/38.8	72.4/44.3	76.3/50.3	80.1/56.9	83.9/63.9	87.8/71.6	91.6/79.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.191 0.029	0.294 0.063	0.373 0.101	0.441 0.143	0.503 0.191	0.56 0.243	0.615 0.302	0.667 0.366	0.717 0.436	0.766 0.513	0.814 0.596	0.862 0.686	0.908 0.783	0.954 0.888	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $000n^* setcmykcolor$

$L^*/Y_{intended}$ (absolute)	38.0/10.1	41.8/12.4	45.6/15.0	49.5/18.0	53.3/21.3	57.1/25.1	61.0/29.2	64.8/33.8	68.6/38.8	72.4/44.3	76.3/50.3	80.1/56.9	83.9/63.9	87.8/71.6	91.6/79.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.191 0.029	0.294 0.063	0.373 0.101	0.441 0.143	0.503 0.191	0.56 0.243	0.615 0.302	0.667 0.366	0.717 0.436	0.766 0.513	0.814 0.596	0.862 0.686	0.908 0.783	0.954 0.888	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $w^* setgray$

$L^*/Y_{intended}$ (absolute)	38.0/10.1	41.8/12.4	45.6/15.0	49.5/18.0	53.3/21.3	57.1/25.1	61.0/29.2	64.8/33.8	68.6/38.8	72.4/44.3	76.3/50.3	80.1/56.9	83.9/63.9	87.8/71.6	91.6/79.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.191 0.029	0.294 0.063	0.373 0.101	0.441 0.143	0.503 0.191	0.56 0.243	0.615 0.302	0.667 0.366	0.717 0.436	0.766 0.513	0.814 0.596	0.862 0.686	0.908 0.783	0.954 0.888	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $nnn0^* setcmykcolor$

$L^*/Y_{intended}$ (absolute)	38.0/10.1	41.8/12.4	45.6/15.0	49.5/18.0	53.3/21.3	57.1/25.1	61.0/29.2	64.8/33.8	68.6/38.8	72.4/44.3	76.3/50.3	80.1/56.9	83.9/63.9	87.8/71.6	91.6/79.8	95.4/88.6
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)																
$w^*_{input,eq}$ Y_t / Y_{tmax}	0.0 0.0	0.191 0.029	0.294 0.063	0.373 0.101	0.441 0.143	0.503 0.191	0.56 0.243	0.615 0.302	0.667 0.366	0.717 0.436	0.766 0.513	0.814 0.596	0.862 0.686	0.908 0.783	0.954 0.888	1.0 1.0

Picture C3: 16 visual equidistant L^* -grey steps; PS operator: $www^* setrgbcolor$

ISO 9241-test chart for contrast range $Y_w:Y_n = 88.6 : 10.1$
 Ergonomics – Visual Displays – Field Assessment Methods

input: four different (d)
 output: no change compared to input

See for similar files: <http://www.ps.bam.de/CE69/>
 Technical information: <http://www.ps.bam.de/9241/>

Version 2.0, io=d,d, CIEXYZ, 1.0 exp

