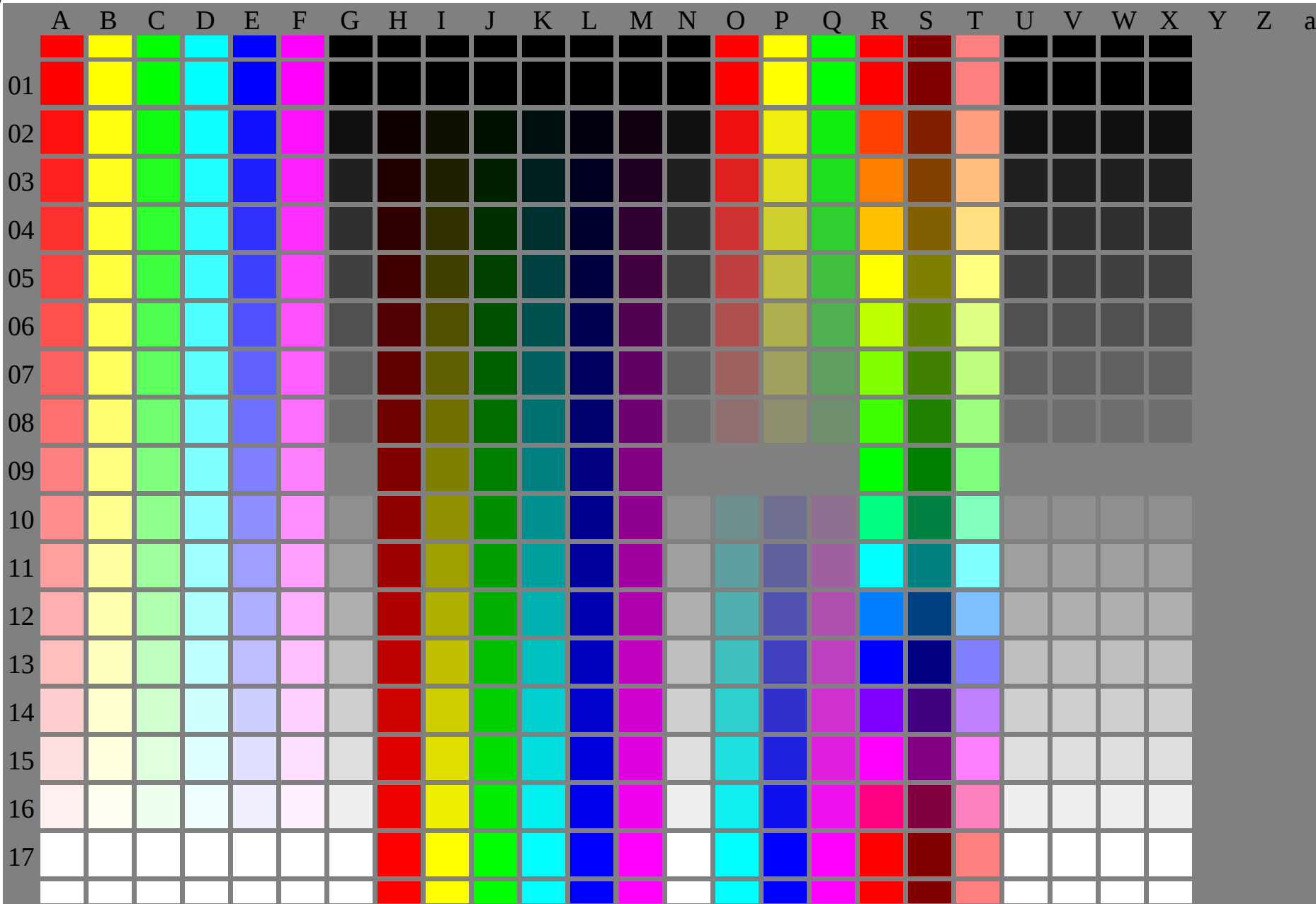


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

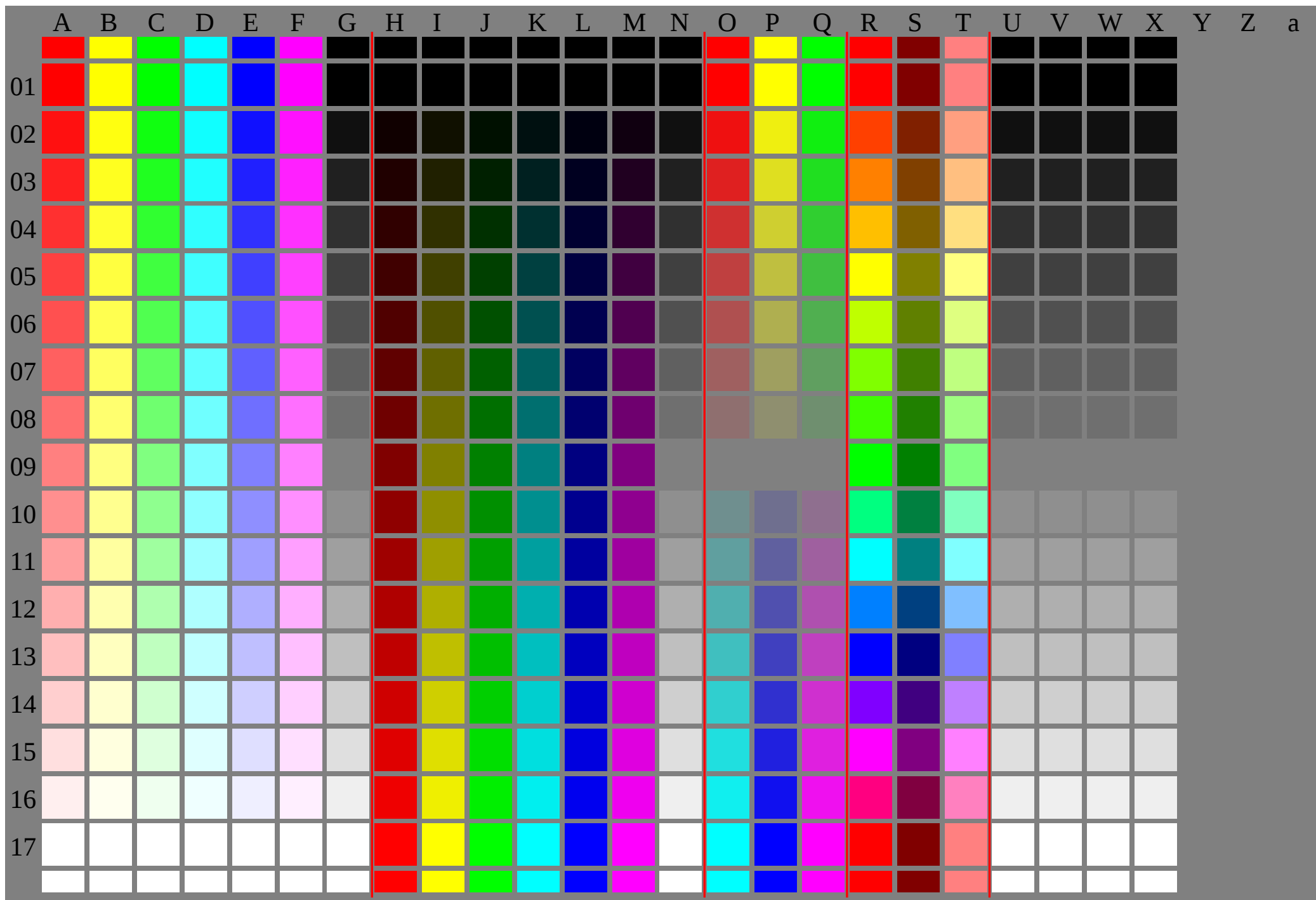


OE710-7N-130-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* ($\rightarrow cmy0^*_d$) *setcmyk*
output 130-0: $g_P=1.0$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=th4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

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

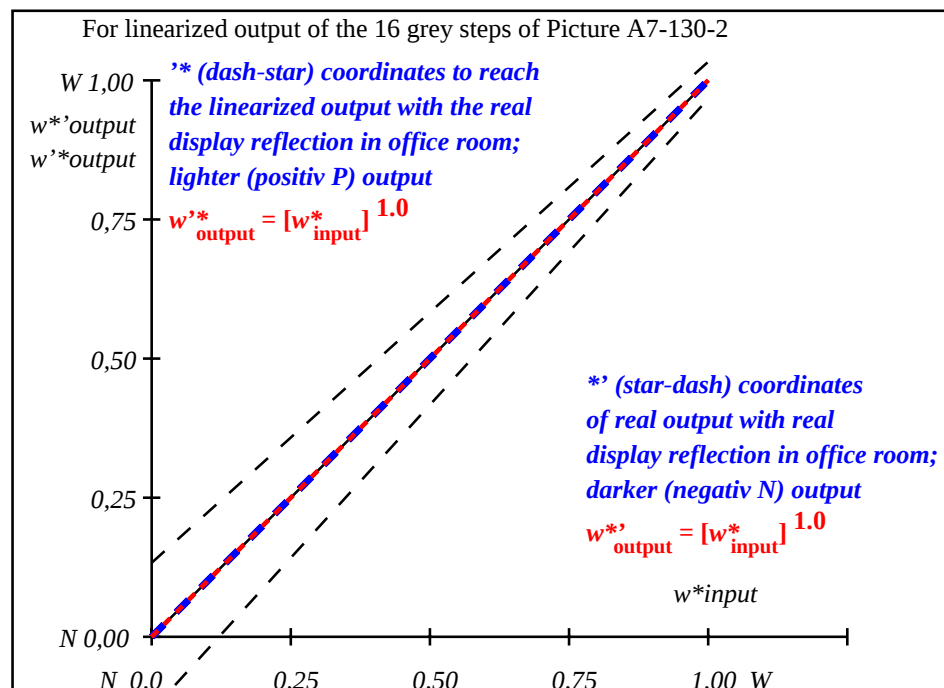
Start output S1
Specification according to
ISO/IEC 15775 Annex G
and DIN 33866-1 Annex G

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

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

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

OE710-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

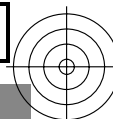
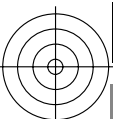
L^*/Y_{intended} (absolute)	0.0/0.0	6.4/0.7	12.7/1.5	19.1/2.8	25.4/4.6	31.8/7.0	38.2/10.2	44.5/14.2	50.9/19.2	57.2/25.2	63.6/32.3	70.0/40.7	76.3/50.4	82.7/61.6	89.0/74.3	95.4/88.6
$w^* w^* w^*$ setrgb $g_P=1.0$																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^*=l^*_{\text{CIELAB},r}$ (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

OE710-7N, Picture A7-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

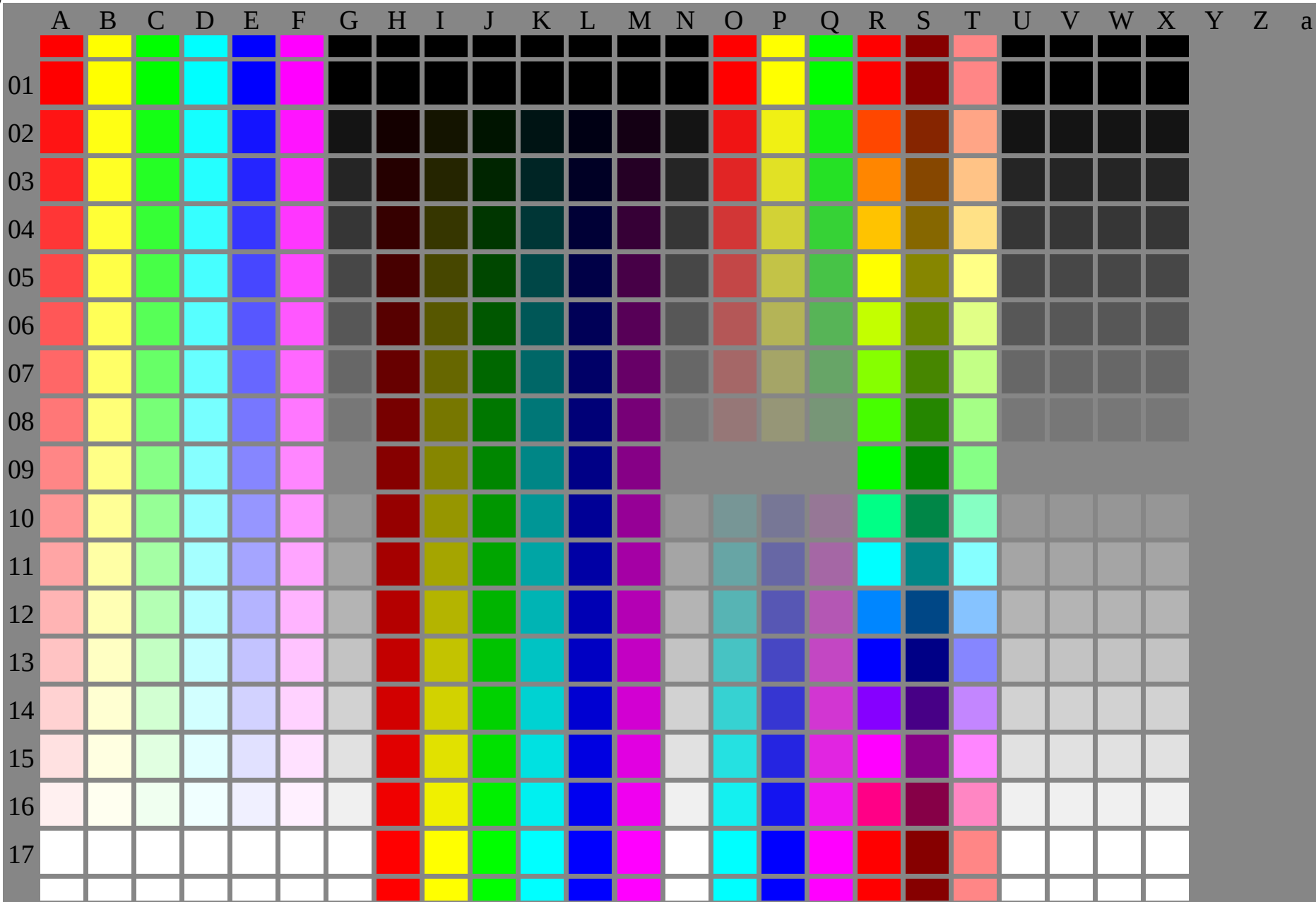
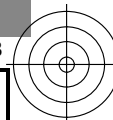
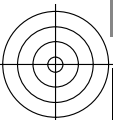
OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:0,31$; Y_N range 0,0 to <0,46

input: $\text{cmy0} (-> \text{cmy0}^*_d)$ setcmyk
output 130-2: $g_P=1.0$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE710-7N-131-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3



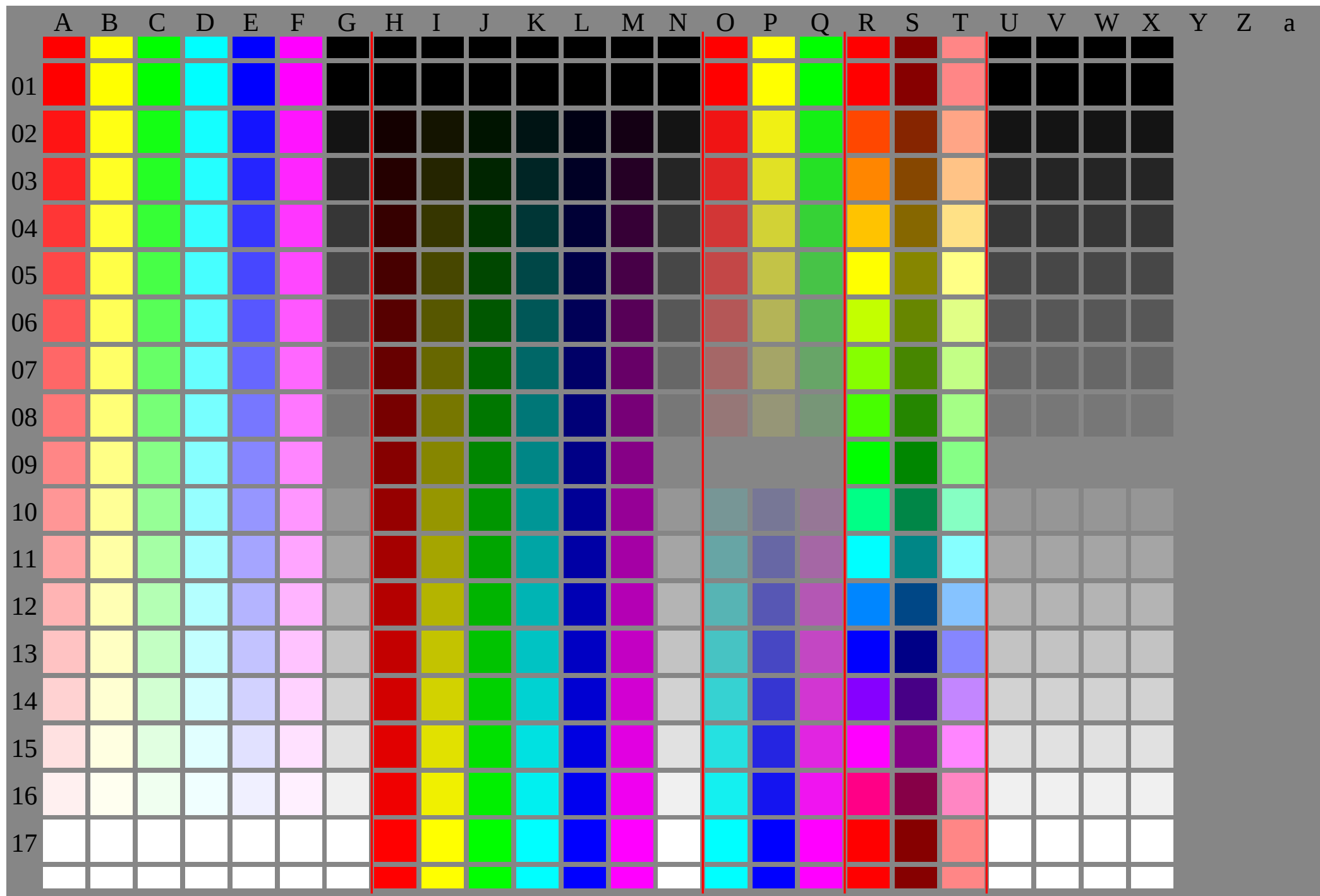
OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* ($\rightarrow cmy0^*_{\text{d}}$) *setcmyk*
output 131-0: $g_P=0.92$; $g_N=1.0$



TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems

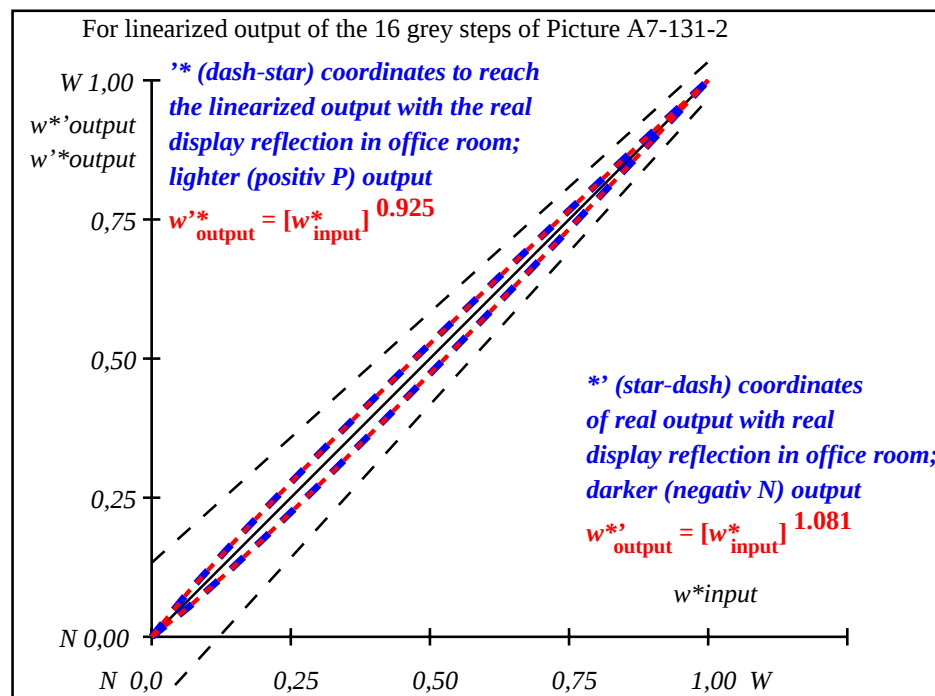
TUB material: code=rha4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	5.69 0.0 0.0	0.0 0.0 0.0	5.69 0.0 0.0	0.0 0.0 0.0	0.01
2	11.67 0.0 0.0	0.08 13.02 0.0	0.0 0.0 0.0	1.35 0.0 0.0	1.35
3	17.65 0.0 0.0	0.16 19.6 0.0	0.0 0.0 0.0	1.95 0.0 0.0	1.95
4	23.63 0.0 0.0	0.23 25.94 0.0	0.0 0.0 0.0	2.3 0.0 0.0	2.3
5	29.62 0.0 0.0	0.29 32.11 0.0	0.0 0.0 0.0	2.49 0.0 0.0	2.49
6	35.6 0.0 0.0	0.36 38.17 0.0	0.0 0.0 0.0	2.57 0.0 0.0	2.57
7	41.58 0.0 0.0	0.43 44.13 0.0	0.0 0.0 0.0	2.55 0.0 0.0	2.55
8	47.56 0.0 0.0	0.49 50.02 0.0	0.0 0.0 0.0	2.46 0.0 0.0	2.46
9	53.54 0.0 0.0	0.56 55.85 0.0	0.0 0.0 0.0	2.31 0.0 0.0	2.31
10	59.52 0.0 0.0	0.62 61.62 0.0	0.0 0.0 0.0	2.1 0.0 0.0	2.1
11	65.5 0.0 0.0	0.69 67.35 0.0	0.0 0.0 0.0	1.85 0.0 0.0	1.85
12	71.48 0.0 0.0	0.75 73.03 0.0	0.0 0.0 0.0	1.55 0.0 0.0	1.55
13	77.47 0.0 0.0	0.81 78.68 0.0	0.0 0.0 0.0	1.21 0.0 0.0	1.21
14	83.45 0.0 0.0	0.88 84.29 0.0	0.0 0.0 0.0	0.84 0.0 0.0	0.84
15	89.43 0.0 0.0	0.94 89.86 0.0	0.0 0.0 0.0	0.43 0.0 0.0	0.43
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	5.69 0.0 0.0	0.0 5.69 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	28.12 0.0 0.0	0.28 30.58 0.0	0.0 0.0 0.0	2.46 0.0 0.0	2.46
19	50.55 0.0 0.0	0.53 52.94 0.0	0.0 0.0 0.0	2.39 0.0 0.0	2.39
20	72.98 0.0 0.0	0.77 74.45 0.0	0.0 0.0 0.0	1.47 0.0 0.0	1.47
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
Mean lightness difference (16 steps)					ΔE* _{CIELAB} = 1.6
Mean lightness difference (5 steps)					ΔL* _{CIELAB} = 1.3
Mean colour reproduction index:					R* _{ab,m} = 93

OE710-3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

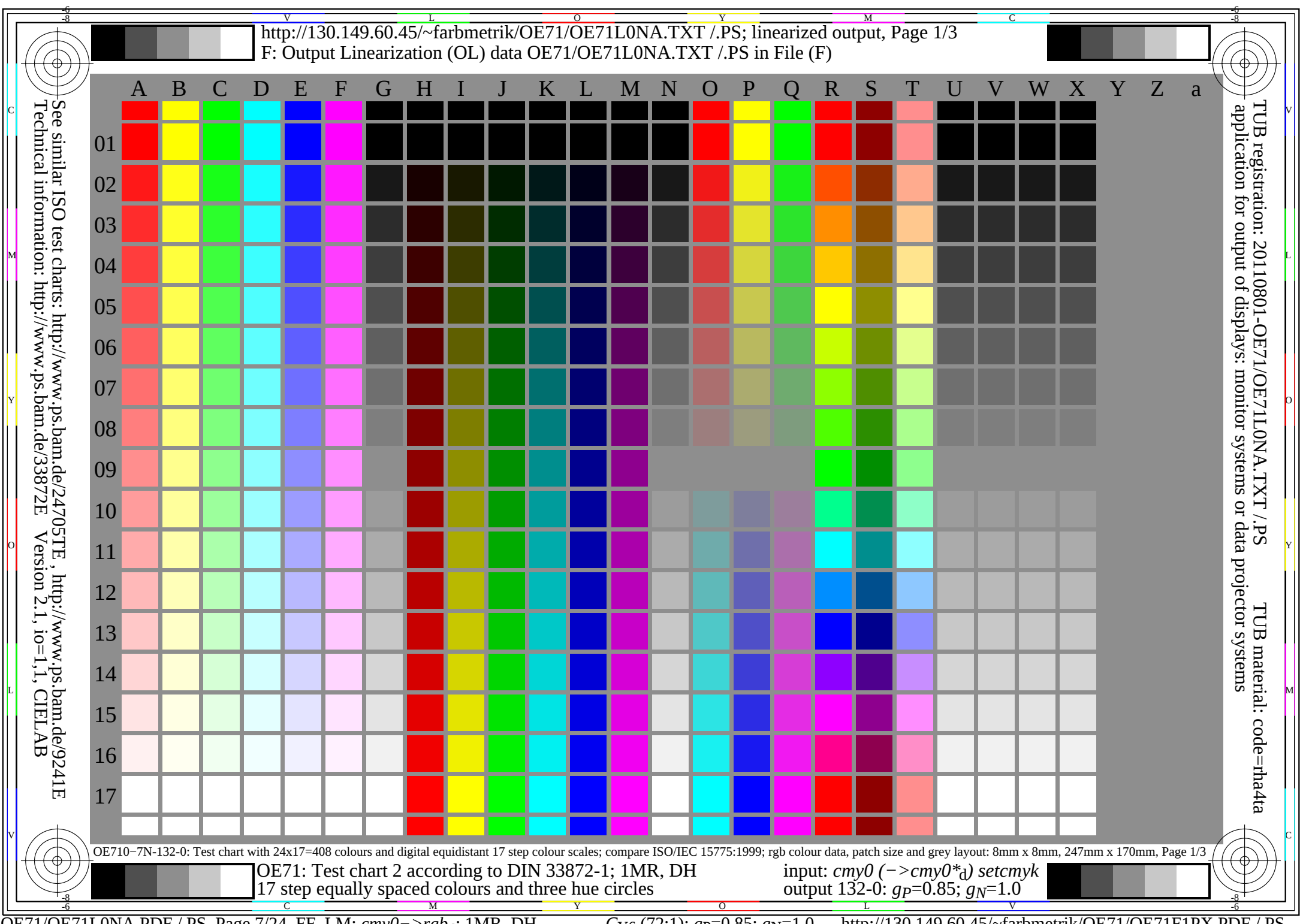
L^*/Y_{intended} (absolute)	5.7/0.6	11.7/1.4	17.7/2.4	23.6/4.0	29.6/6.1	35.6/8.8	41.6/12.2	47.6/16.5	53.5/21.5	59.5/27.6	65.5/34.7	71.5/42.9	77.5/52.3	83.4/63.0	89.4/75.1	95.4/88.6
$w^* w^* w^*$ setrgb																
$g_P=0.92$																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^*=l^*_{\text{CIELAB},r}$ (relative)																
w^*_{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	0.082	0.155	0.226	0.295	0.362	0.428	0.494	0.559	0.623	0.688	0.75	0.814	0.876	0.938	1.0

OE710-7N, Picture A7-131-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:0,62$; Y_N range 0,46 to <0,93

input: $\text{cmy0} (-> \text{cmy0}^*_d) \text{ setcmyk}$
output 131-2: $g_P=0.92$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta



http://130.149.60.45/~farbmetrik/OE71/OE71L0NA.TXT /PS; linearized output, Page 1/3
F: Output Linearization (OL) data OE71/OE71L0NA.TXT /PS in File (F)

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

TUB registration: 20110801-OE71/OE71L0NA.TXT /PS
application for output of displays: monitor systems or data projector systems

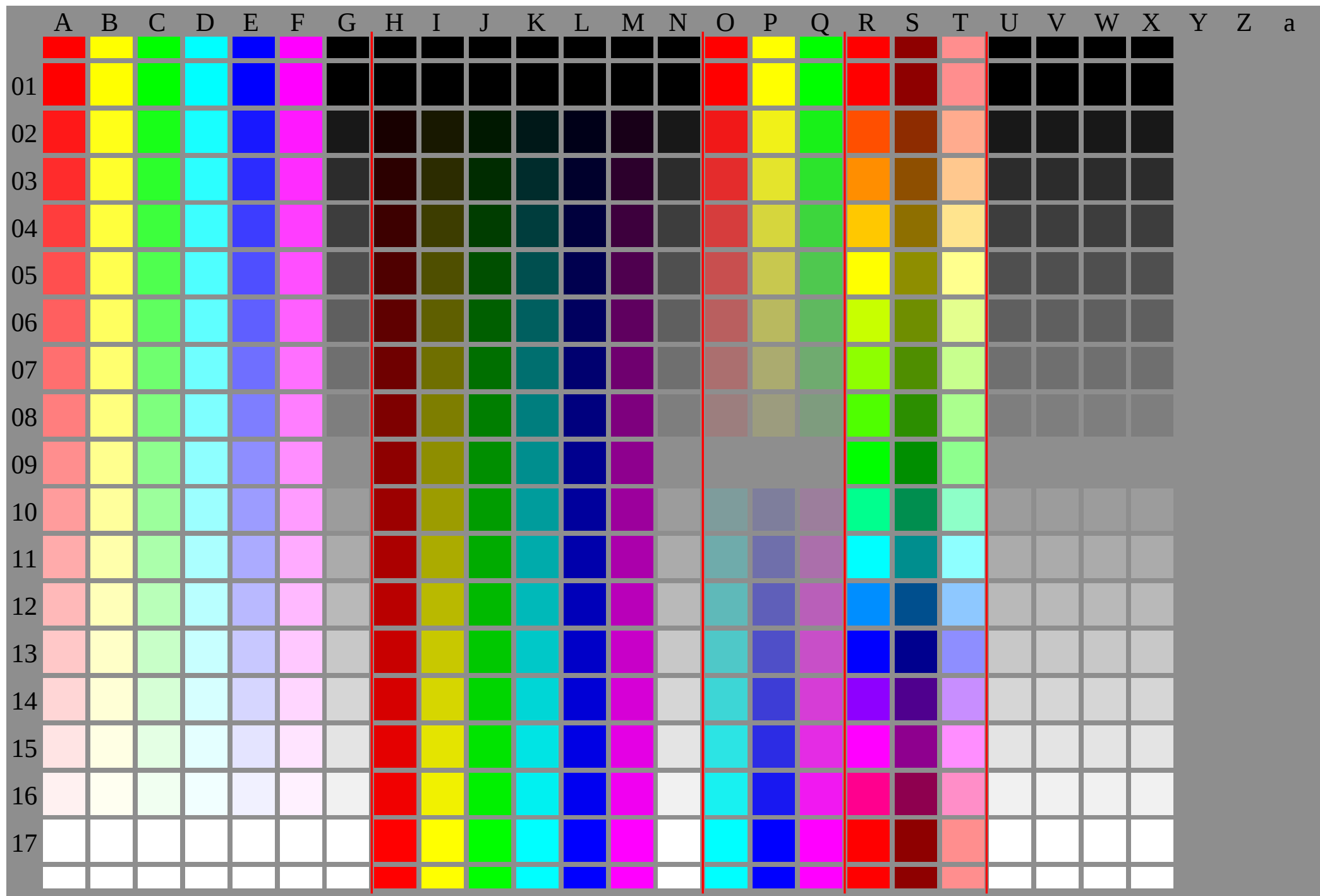
TUB material: code=rha4ta

OE710-7N-132-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* (->*cmy0*d*) *setcmyk*
output 132-0: *gP*=0.85; *gN*=1.0

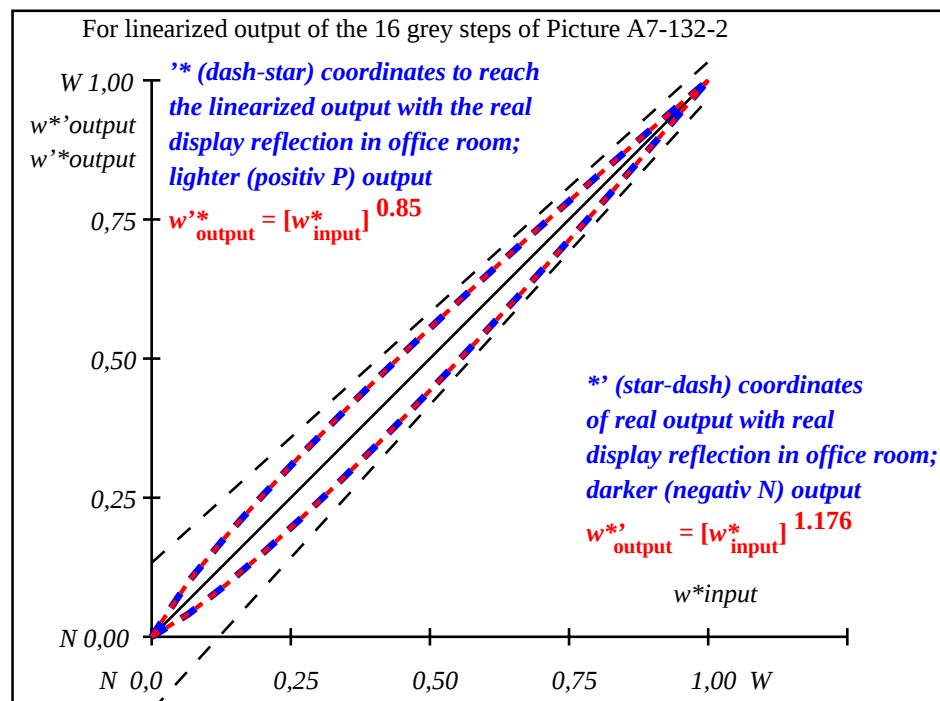
OE71/OE71L0NA.PDF /PS, Page 7/24, FF_LM: *cmy0*->*rgb0*; 1MR, DH
CY6 (72:1): *gP*=0.85; *gN*=1.0
<http://130.149.60.45/~farbmetrik/OE71/OE71F1PX.PDF> /PS



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	10.99 0.0 0.0	0.0 10.99 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
2	16.62 0.0 0.0	0.1 19.44 0.0	0.0 0.0 0.0	2.82 0.0 0.0	2.82
3	22.25 0.0 0.0	0.18 26.22 0.0	0.0 0.0 0.0	3.97 0.0 0.0	3.97
4	27.88 0.0 0.0	0.25 32.49 0.0	0.0 0.0 0.0	4.61 0.0 0.0	4.61
5	33.5 0.0 0.0	0.33 38.44 0.0	0.0 0.0 0.0	4.94 0.0 0.0	4.94
6	39.13 0.0 0.0	0.39 44.17 0.0	0.0 0.0 0.0	5.04 0.0 0.0	5.04
7	44.76 0.0 0.0	0.46 49.73 0.0	0.0 0.0 0.0	4.98 0.0 0.0	4.98
8	50.39 0.0 0.0	0.52 55.16 0.0	0.0 0.0 0.0	4.77 0.0 0.0	4.77
9	56.02 0.0 0.0	0.59 60.47 0.0	0.0 0.0 0.0	4.45 0.0 0.0	4.45
10	61.64 0.0 0.0	0.65 65.68 0.0	0.0 0.0 0.0	4.03 0.0 0.0	4.03
11	67.27 0.0 0.0	0.71 70.8 0.0	0.0 0.0 0.0	3.53 0.0 0.0	3.53
12	72.9 0.0 0.0	0.77 75.85 0.0	0.0 0.0 0.0	2.95 0.0 0.0	2.95
13	78.53 0.0 0.0	0.83 80.83 0.0	0.0 0.0 0.0	2.3 0.0 0.0	2.3
14	84.15 0.0 0.0	0.89 85.74 0.0	0.0 0.0 0.0	1.59 0.0 0.0	1.59
15	89.78 0.0 0.0	0.94 90.6 0.0	0.0 0.0 0.0	0.82 0.0 0.0	0.82
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	10.99 0.0 0.0	0.0 10.99 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	32.1 0.0 0.0	0.31 36.98 0.0	0.0 0.0 0.0	4.88 0.0 0.0	4.88
19	53.2 0.0 0.0	0.55 57.83 0.0	0.0 0.0 0.0	4.62 0.0 0.0	4.62
20	74.31 0.0 0.0	0.78 77.1 0.0	0.0 0.0 0.0	2.79 0.0 0.0	2.79
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
Mean lightness difference (16 steps)					$\Delta E^*_{\text{CIELAB}} = 3.2$
Mean lightness difference (5 steps)					$\Delta L^*_{\text{CIELAB}} = 2.5$
Mean colour reproduction index:					$R^*_{\text{ab,m}} = 86$

OE710-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

L^*/Y_{intended} (absolute)	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
$w^* w^* w^*$ setrgb $g_P=0.85$ 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^*_{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	0.1	0.18	0.255	0.325	0.393	0.459	0.524	0.586	0.648	0.709	0.768	0.827	0.886	0.943	1.0

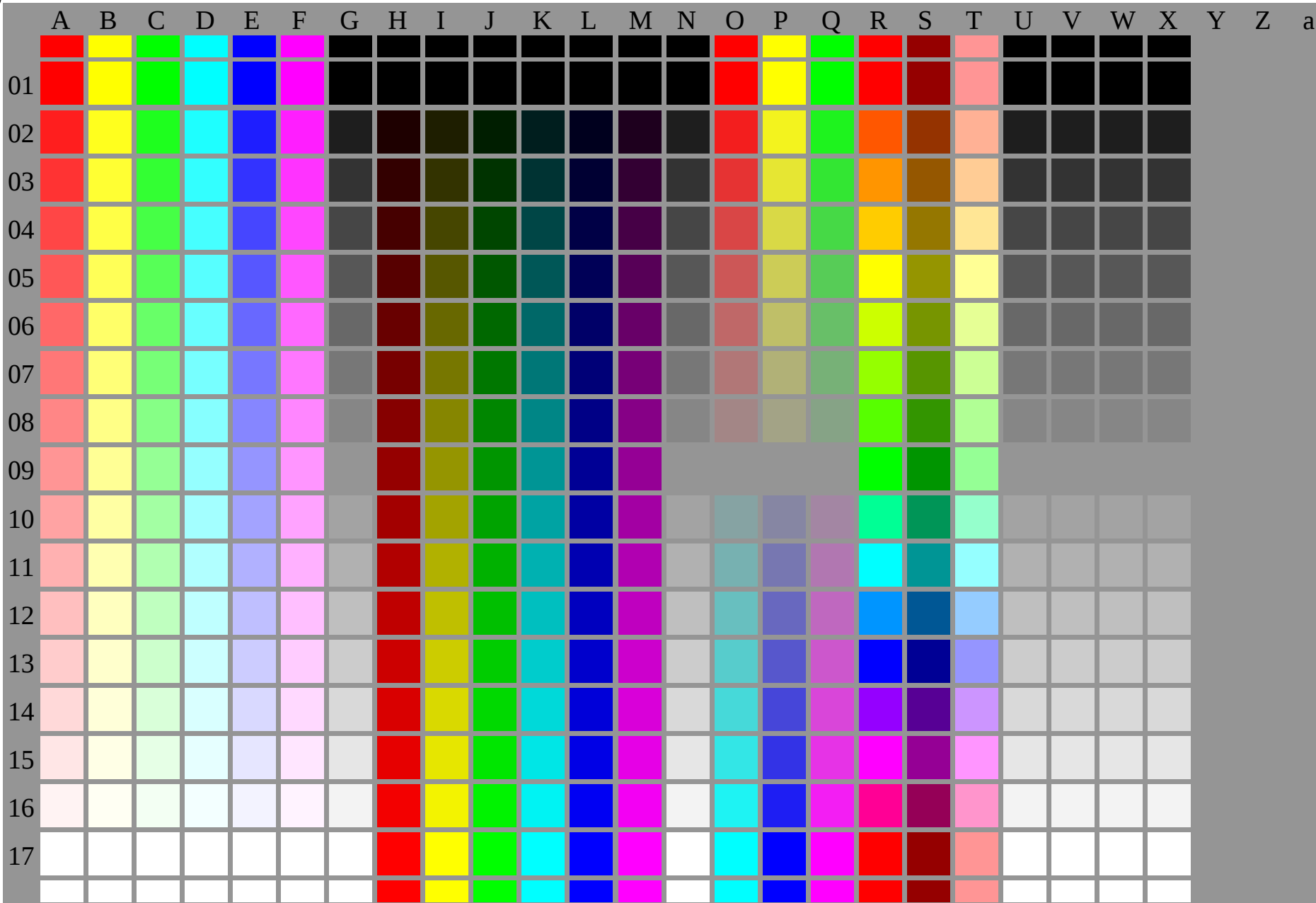
OE710-7N, Picture A7-132-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:1,25$; Y_N range 0,93 to <1,87

input: $\text{cmy0} (-> \text{cmy0}^*_d) \text{setcmyk}$
output 132-2: $g_P=0.85$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

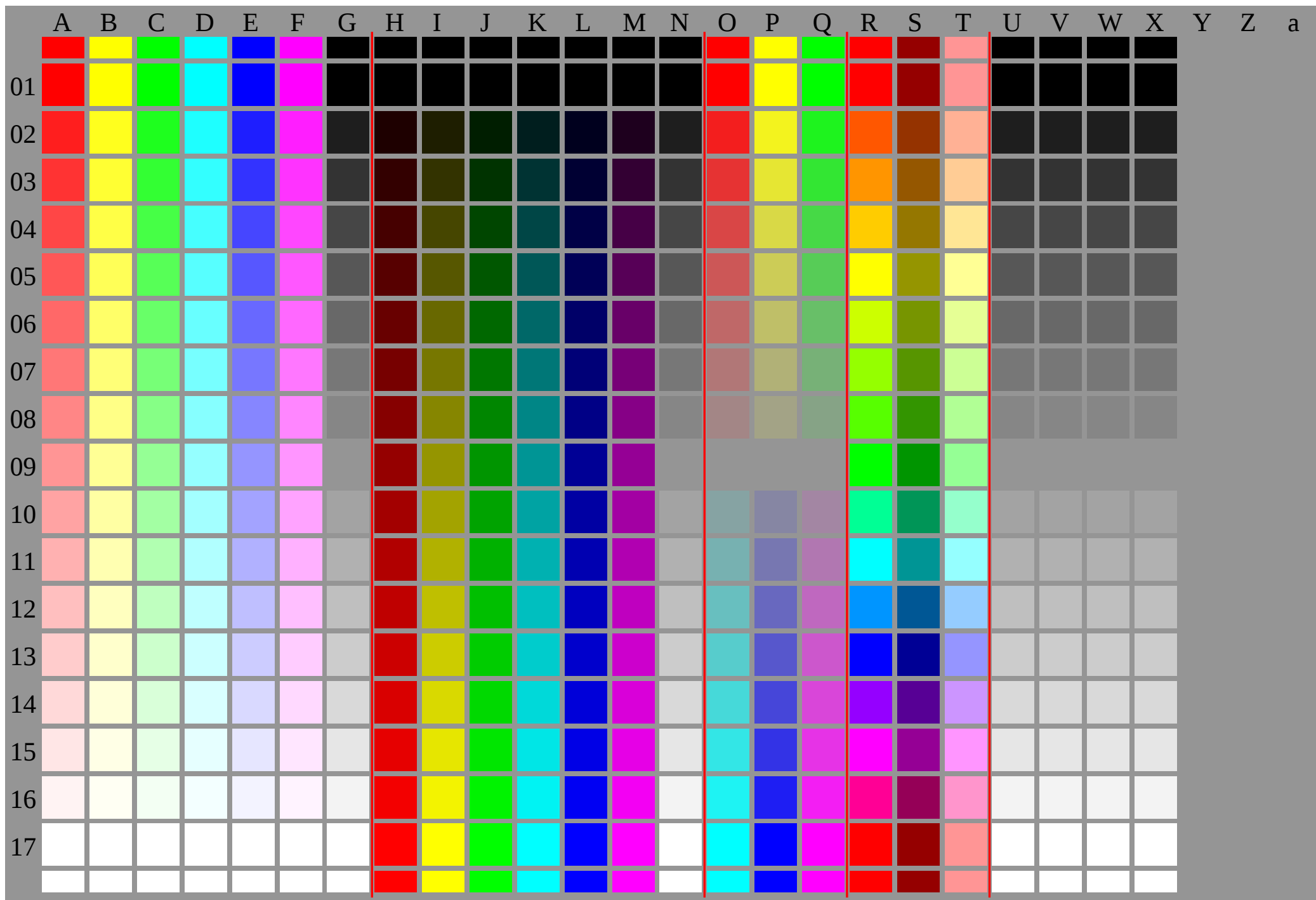


OE710-7N-133-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* ($\rightarrow cmy0^*_d$) *setcmyk*
output 133-0: $g_P=0.77$; $g_N=1.0$

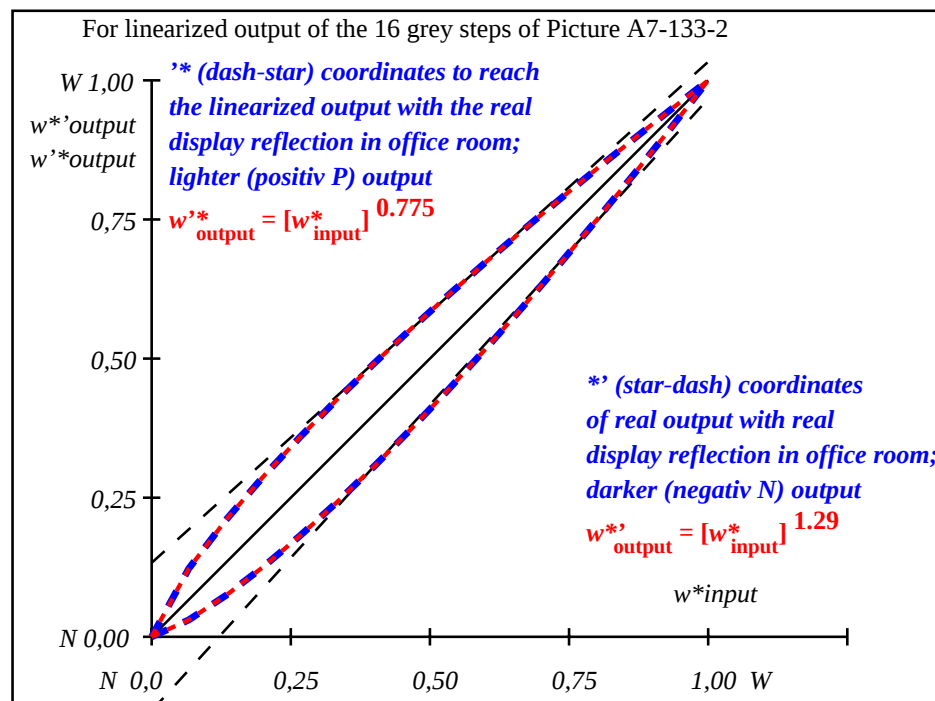
TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref			L*out			LAB*out			LAB*out/c-ref			ΔE*	Start output S1
1	18.01	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G	
2	23.17	0.0	0.0	0.12	27.5	0.0	0.0	4.33	0.0	0.0	4.33			
3	28.33	0.0	0.0	0.21	34.25	0.0	0.0	5.92	0.0	0.0	5.92			
4	33.49	0.0	0.0	0.29	40.24	0.0	0.0	6.76	0.0	0.0	6.76			
5	38.65	0.0	0.0	0.36	45.8	0.0	0.0	7.15	0.0	0.0	7.15			
6	43.81	0.0	0.0	0.43	51.04	0.0	0.0	7.23	0.0	0.0	7.23			
7	48.97	0.0	0.0	0.49	56.06	0.0	0.0	7.09	0.0	0.0	7.09			
8	54.13	0.0	0.0	0.55	60.89	0.0	0.0	6.76	0.0	0.0	6.76			
9	59.29	0.0	0.0	0.61	65.56	0.0	0.0	6.27	0.0	0.0	6.27			
10	64.45	0.0	0.0	0.67	70.11	0.0	0.0	5.66	0.0	0.0	5.66			
11	69.61	0.0	0.0	0.73	74.54	0.0	0.0	4.93	0.0	0.0	4.93			
12	74.77	0.0	0.0	0.79	78.87	0.0	0.0	4.1	0.0	0.0	4.1			
13	79.93	0.0	0.0	0.84	83.12	0.0	0.0	3.19	0.0	0.0	3.19			
14	85.09	0.0	0.0	0.9	87.28	0.0	0.0	2.19	0.0	0.0	2.2			
15	90.25	0.0	0.0	0.95	91.38	0.0	0.0	1.13	0.0	0.0	1.13	Mean lightness difference (16 steps)		
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	ΔE* _{CIELAB} = 4.5		
17	18.01	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	0.0	0.01			
18	37.36	0.0	0.0	0.34	44.44	0.0	0.0	7.08	0.0	0.0	7.08			
19	56.71	0.0	0.0	0.58	63.24	0.0	0.0	6.53	0.0	0.0	6.53			
20	76.06	0.0	0.0	0.8	79.94	0.0	0.0	3.88	0.0	0.0	3.88	Mean lightness difference (5 steps)		
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	ΔL* _{CIELAB} = 3.5		
Mean colour reproduction index:												R* _{ab,m} = 80		

OE710-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

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
$w^* w^* w^*$ setrgb																
$g_P=0.78$																
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^*_{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	0.123	0.209	0.287	0.359	0.426	0.492	0.554	0.614	0.673	0.731	0.786	0.841	0.895	0.948	1.0

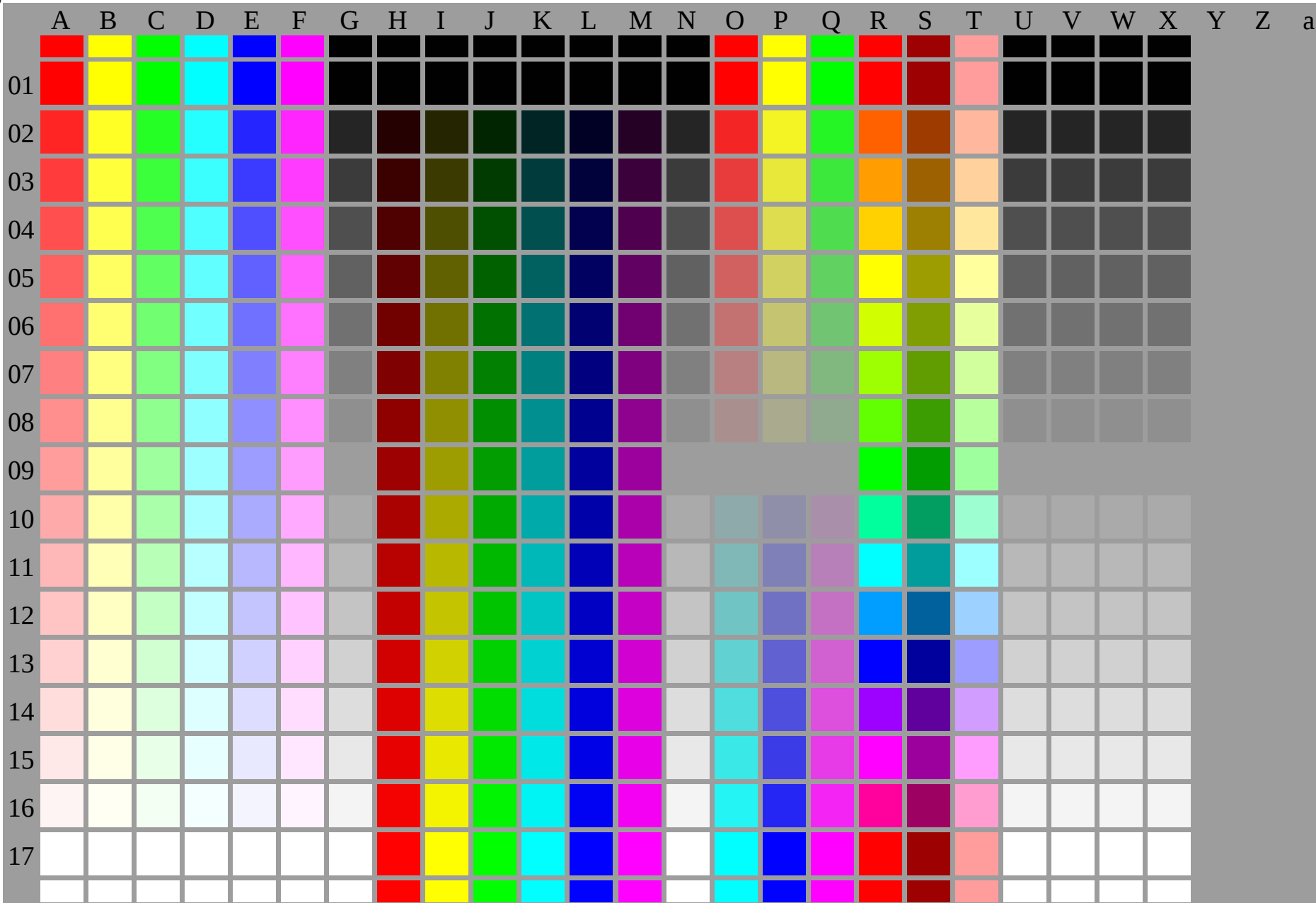
OE710-7N, Picture A7-133-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:2,5$; Y_N range 1,87 to <3,75

input: $cmy0$ (-> $cmy0^*_d$) setcmyk
output 133-2: $g_P=0.77$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

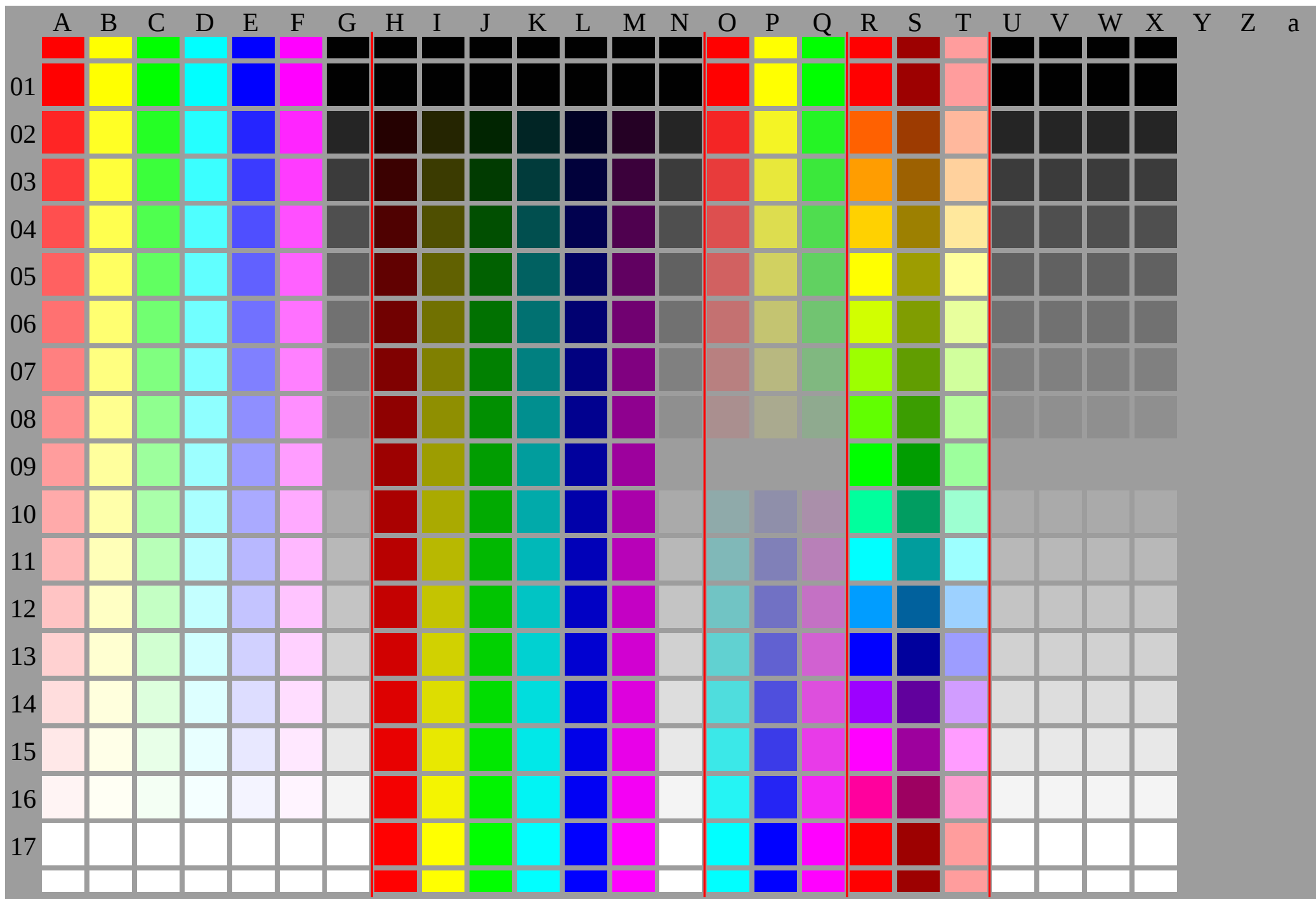


OE710-7N-134-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* ($\rightarrow cmy0^*$) *setcmyk*
output 134-0: $g_P=0.7$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta



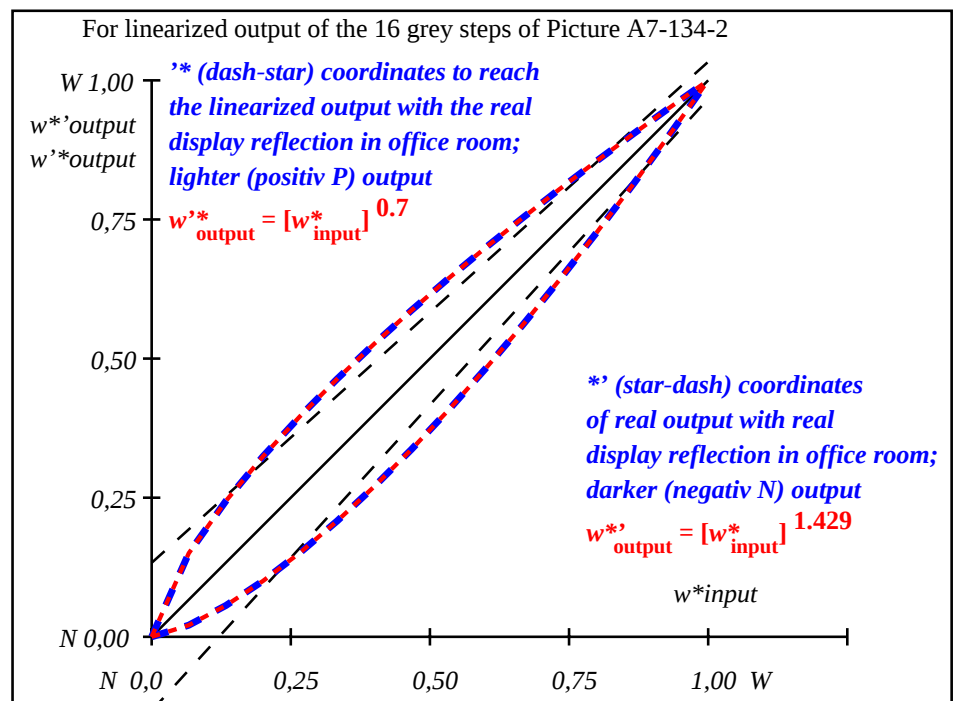
See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	26.85 0.0 0.0	0.0 26.85 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
2	31.42 0.0 0.0	0.15 37.15 0.0	0.0 0.0 0.0	5.73 0.0 0.0	5.73
3	35.99 0.0 0.0	0.24 43.58 0.0	0.0 0.0 0.0	7.59 0.0 0.0	7.59
4	40.56 0.0 0.0	0.32 49.07 0.0	0.0 0.0 0.0	8.51 0.0 0.0	8.51
5	45.13 0.0 0.0	0.4 54.03 0.0	0.0 0.0 0.0	8.9 0.0 0.0	8.9
6	49.7 0.0 0.0	0.46 58.62 0.0	0.0 0.0 0.0	8.92 0.0 0.0	8.92
7	54.27 0.0 0.0	0.53 62.95 0.0	0.0 0.0 0.0	8.68 0.0 0.0	8.68
8	58.84 0.0 0.0	0.59 67.06 0.0	0.0 0.0 0.0	8.22 0.0 0.0	8.22
9	63.41 0.0 0.0	0.64 71.0 0.0	0.0 0.0 0.0	7.59 0.0 0.0	7.59
10	67.99 0.0 0.0	0.7 74.8 0.0	0.0 0.0 0.0	6.81 0.0 0.0	6.81
11	72.56 0.0 0.0	0.75 78.47 0.0	0.0 0.0 0.0	5.91 0.0 0.0	5.91
12	77.13 0.0 0.0	0.8 82.03 0.0	0.0 0.0 0.0	4.9 0.0 0.0	4.9
13	81.7 0.0 0.0	0.86 85.5 0.0	0.0 0.0 0.0	3.8 0.0 0.0	3.8
14	86.27 0.0 0.0	0.9 88.87 0.0	0.0 0.0 0.0	2.61 0.0 0.0	2.61
15	90.84 0.0 0.0	0.95 92.18 0.0	0.0 0.0 0.0	1.34 0.0 0.0	1.34
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	26.85 0.0 0.0	0.0 26.85 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	43.99 0.0 0.0	0.38 52.83 0.0	0.0 0.0 0.0	8.84 0.0 0.0	8.84
19	61.13 0.0 0.0	0.62 69.05 0.0	0.0 0.0 0.0	7.92 0.0 0.0	7.92
20	78.27 0.0 0.0	0.82 82.9 0.0	0.0 0.0 0.0	4.64 0.0 0.0	4.64
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

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

Mean lightness difference (16 steps) $\Delta E^*_{\text{CIELAB}} = 5.6$
Mean lightness difference (5 steps) $\Delta L^*_{\text{CIELAB}} = 4.3$
Mean colour reproduction index: $R^*_{ab,m} = 76$

OE710-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

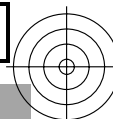
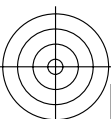
L^*/Y_{intended} (absolute)	26.8/5.0	31.4/6.8	36.0/9.0	40.6/11.6	45.1/14.6	49.7/18.2	54.3/22.2	58.8/26.9	63.4/32.1	68.0/38.0	72.6/44.5	77.1/51.7	81.7/59.7	86.3/68.5	90.8/78.1	95.4/88.6
$w^* w^* w^*$ setrgb $g_P=0.7$																
No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^*=l^*_{\text{CIELAB},r}$ (relative)																
w^*_{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	0.151	0.244	0.324	0.397	0.463	0.527	0.587	0.644	0.699	0.753	0.805	0.855	0.905	0.953	1.0

OE710-7N, Picture A7-134-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

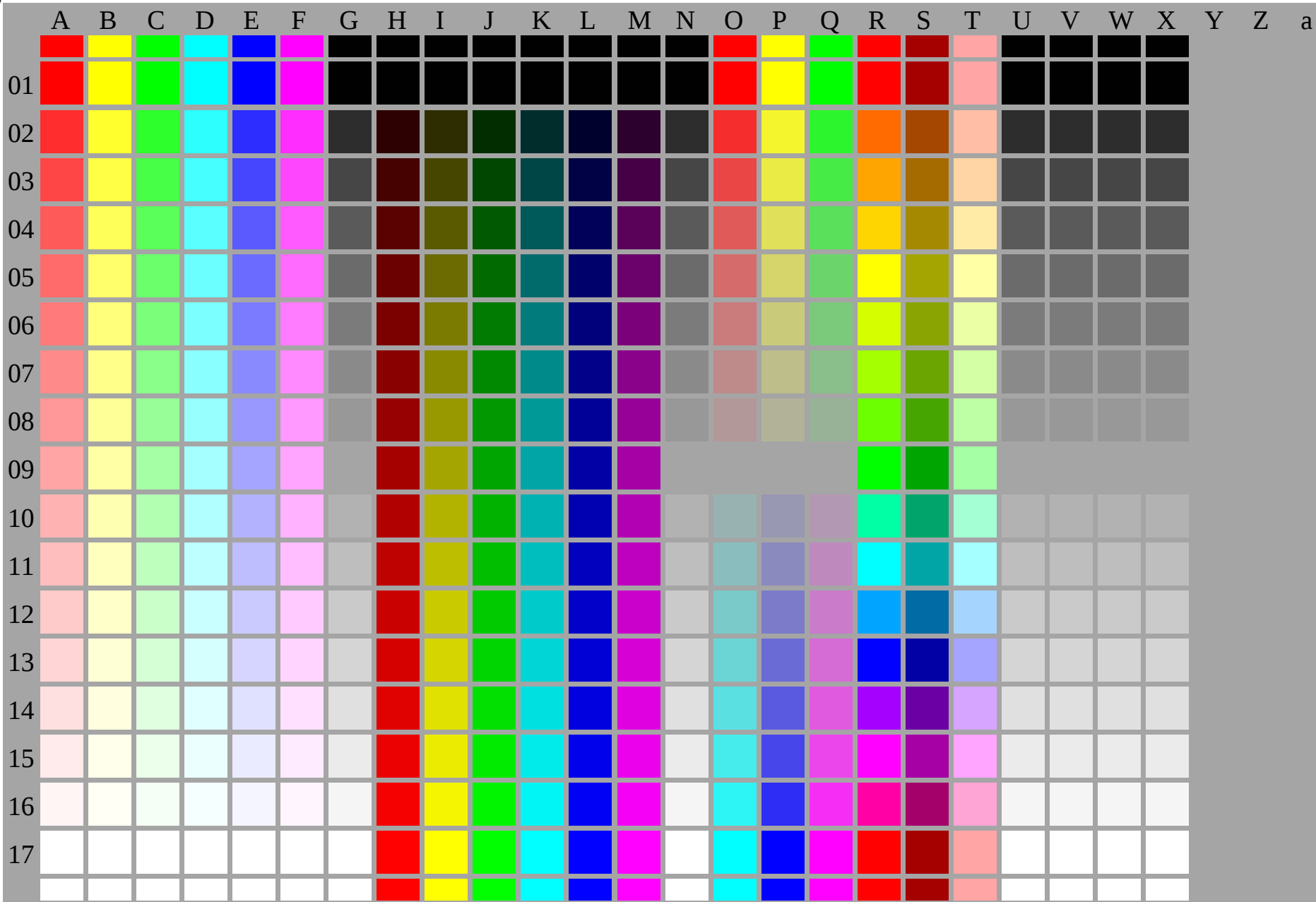
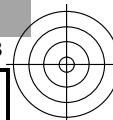
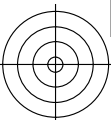
OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:5$; Y_N range 3,75 to <7,5

input: $cmy0$ ($\rightarrow cmy0^*_d$) setcmyk
output 134-2: $g_P=0.7$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE710-7N-135-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

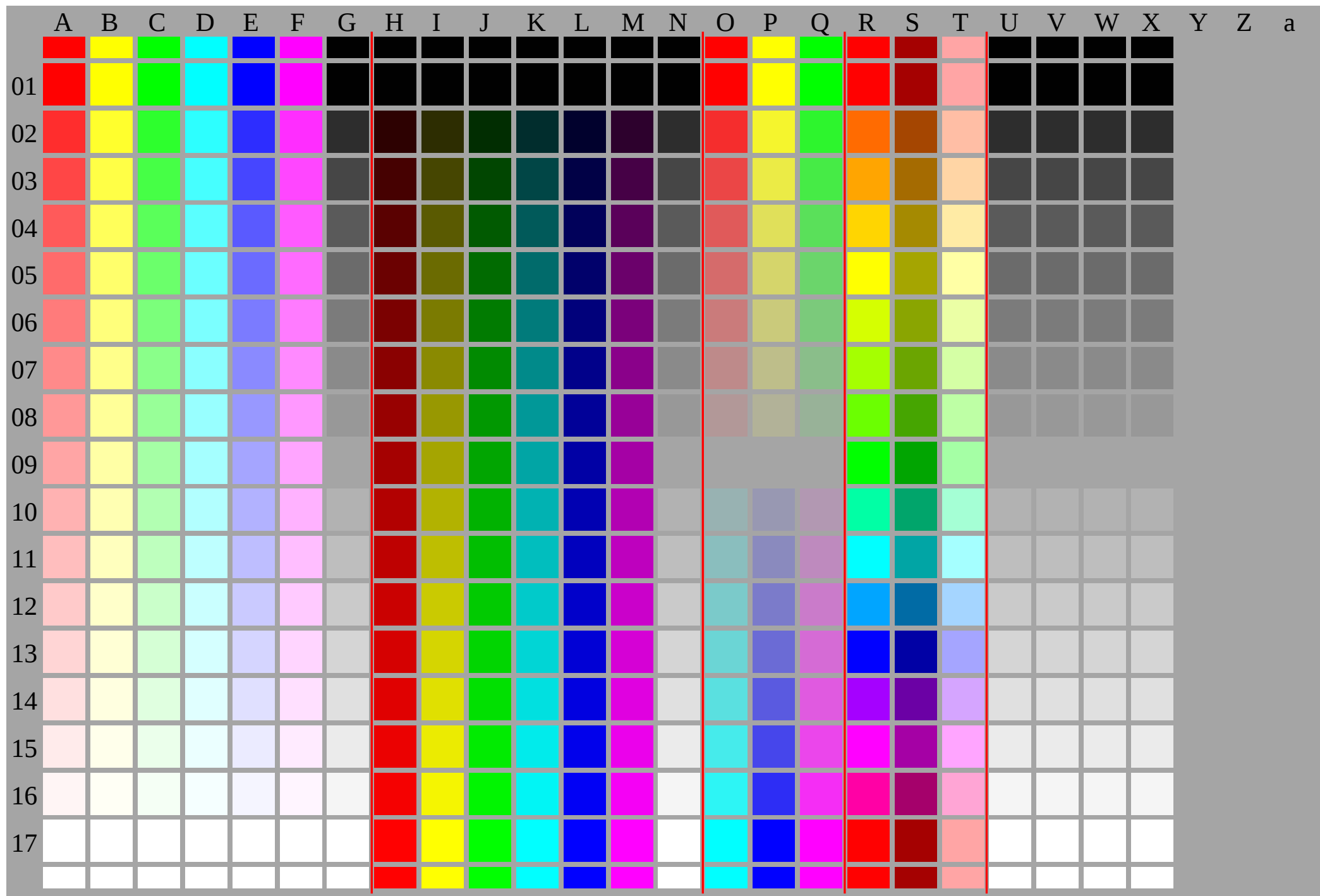


OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmy0* ($\rightarrow cmy0^*_{\Delta}$) *setcmyk*
output 135-0: $g_P=0.62$; $g_N=1.0$



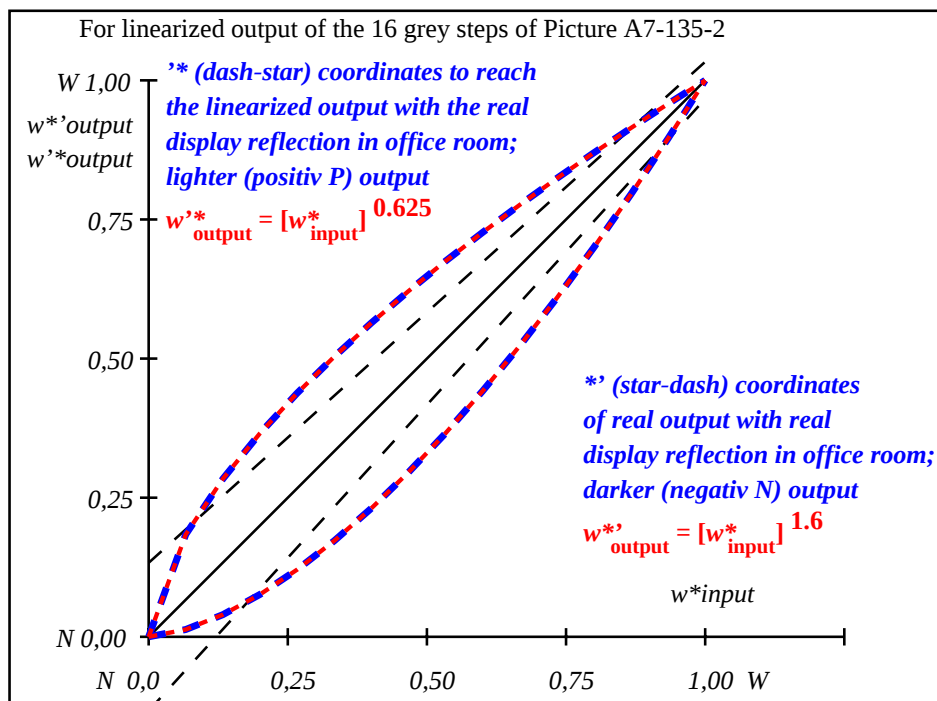
TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

Start output S1											
i	LAB*ref			l*out			LAB*out/c-ref			ΔE*	Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G
1	37.99	0.0	0.0	0.0	37.99	0.0	0.0	0.0	0.0	0.01	
2	41.81	0.0	0.0	0.18	48.55	0.0	0.0	6.74	0.0	6.74	
3	45.64	0.0	0.0	0.28	54.29	0.0	0.0	8.64	0.0	8.64	
4	49.47	0.0	0.0	0.37	58.99	0.0	0.0	9.52	0.0	9.52	
5	53.3	0.0	0.0	0.44	63.12	0.0	0.0	9.82	0.0	9.82	
6	57.13	0.0	0.0	0.5	66.89	0.0	0.0	9.76	0.0	9.76	
7	60.96	0.0	0.0	0.56	70.37	0.0	0.0	9.42	0.0	9.42	
8	64.78	0.0	0.0	0.62	73.65	0.0	0.0	8.87	0.0	8.87	
9	68.61	0.0	0.0	0.68	76.75	0.0	0.0	8.14	0.0	8.14	
10	72.44	0.0	0.0	0.73	79.71	0.0	0.0	7.27	0.0	7.27	
11	76.27	0.0	0.0	0.78	82.56	0.0	0.0	6.29	0.0	6.29	
12	80.1	0.0	0.0	0.82	85.29	0.0	0.0	5.19	0.0	5.19	
13	83.93	0.0	0.0	0.87	87.93	0.0	0.0	4.01	0.0	4.01	
14	87.75	0.0	0.0	0.91	90.5	0.0	0.0	2.74	0.0	2.74	
15	91.58	0.0	0.0	0.96	92.99	0.0	0.0	1.4	0.0	1.4	
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.01	
17	37.99	0.0	0.0	0.0	37.99	0.0	0.0	0.0	0.0	0.01	
18	52.34	0.0	0.0	0.42	62.13	0.0	0.0	9.79	0.0	9.79	
19	66.7	0.0	0.0	0.65	75.22	0.0	0.0	8.52	0.0	8.52	
20	81.05	0.0	0.0	0.84	85.96	0.0	0.0	4.91	0.0	4.91	
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.01	
Mean colour reproduction index:										R* _{ab,m} = 73	

OE710-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

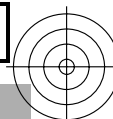
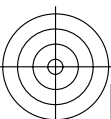
L^*/Y_{intended} (absolute)	38.0/10.1	41.8/12.4	45.6/15.0	49.5/18.0	53.3/21.3	57.1/25.1	61.0/29.2	64.8/33.8	68.6/38.8	72.4/44.3	76.3/50.3	80.1/56.9	83.9/63.9	87.8/71.6	91.6/79.8	95.4/88.6
$w^* w^* w^*$ setrgb																
$g_P=0.63$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^*=l^*_{\text{CIELAB},r}$ (relative)																
w^*_{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	0.185	0.283	0.366	0.438	0.503	0.564	0.621	0.675	0.727	0.776	0.824	0.87	0.915	0.958	1.0

OE710-7N, Picture A7-135-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

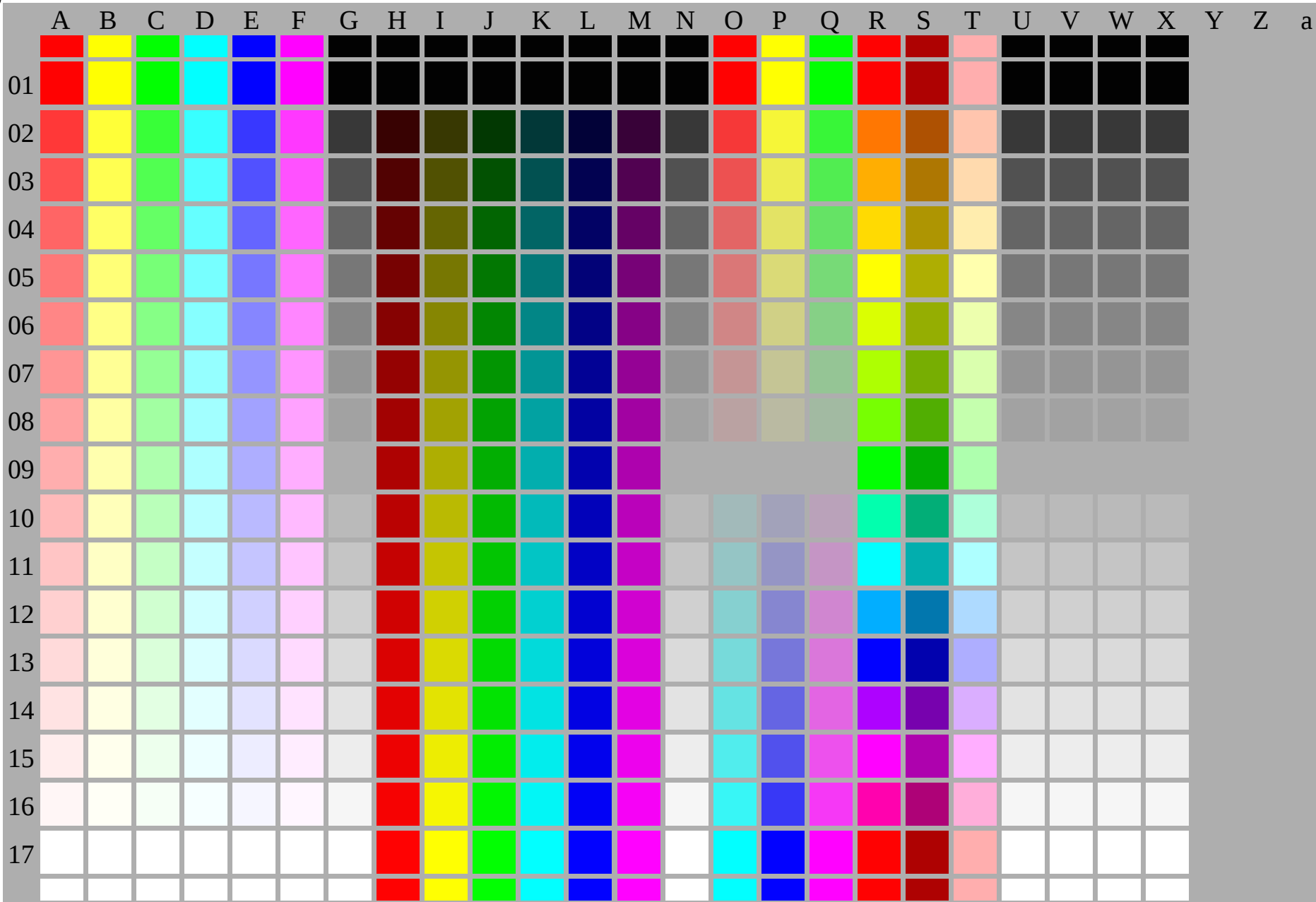
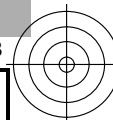
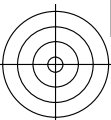
OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:10$; Y_N range 7,5 to <15

input: $\text{cmy0} (-> \text{cmy0}^*_d) \text{setcmyk}$
output 135-2: $g_P=0.62$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE710-7N-136-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3



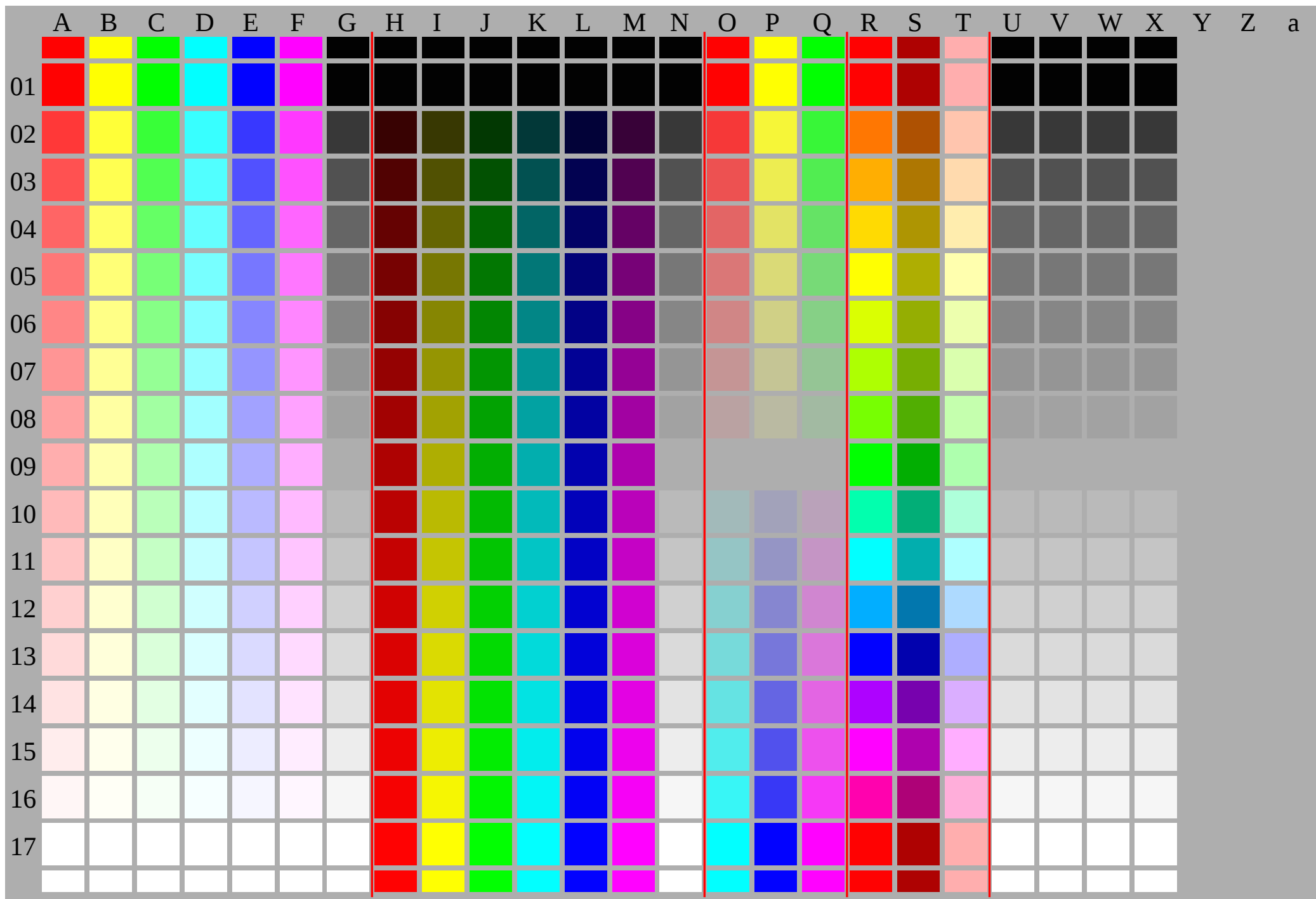
OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: $cmy0$ ($\rightarrow cmy0^*_{\Delta}$) $setcmyk$
output 136-0: $g_P=0.55$; $g_N=1.0$



TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems

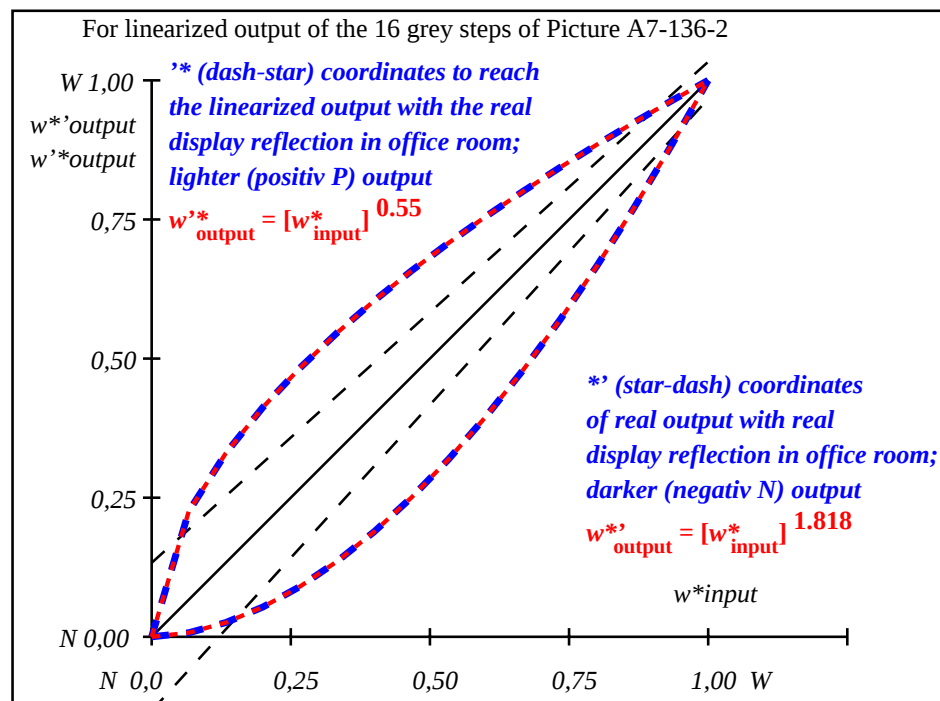
TUB material: code=rha4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*
1	52.02 0.0 0.0	0.0 52.02 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
2	54.91 0.0 0.0	0.23 61.8 0.0	0.0 0.0 0.0	6.89 0.0 0.0	6.89
3	57.8 0.0 0.0	0.33 66.34 0.0	0.0 0.0 0.0	8.54 0.0 0.0	8.54
4	60.7 0.0 0.0	0.41 69.92 0.0	0.0 0.0 0.0	9.23 0.0 0.0	9.23
5	63.59 0.0 0.0	0.48 72.99 0.0	0.0 0.0 0.0	9.4 0.0 0.0	9.4
6	66.48 0.0 0.0	0.55 75.73 0.0	0.0 0.0 0.0	9.25 0.0 0.0	9.25
7	69.37 0.0 0.0	0.6 78.23 0.0	0.0 0.0 0.0	8.86 0.0 0.0	8.86
8	72.27 0.0 0.0	0.66 80.55 0.0	0.0 0.0 0.0	8.28 0.0 0.0	8.28
9	75.16 0.0 0.0	0.71 82.73 0.0	0.0 0.0 0.0	7.57 0.0 0.0	7.57
10	78.05 0.0 0.0	0.76 84.78 0.0	0.0 0.0 0.0	6.73 0.0 0.0	6.73
11	80.95 0.0 0.0	0.8 86.74 0.0	0.0 0.0 0.0	5.79 0.0 0.0	5.79
12	83.84 0.0 0.0	0.84 88.6 0.0	0.0 0.0 0.0	4.77 0.0 0.0	4.77
13	86.73 0.0 0.0	0.88 90.4 0.0	0.0 0.0 0.0	3.67 0.0 0.0	3.67
14	89.62 0.0 0.0	0.92 92.13 0.0	0.0 0.0 0.0	2.5 0.0 0.0	2.5
15	92.52 0.0 0.0	0.96 93.79 0.0	0.0 0.0 0.0	1.28 0.0 0.0	1.28
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	52.02 0.0 0.0	0.0 52.02 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	62.87 0.0 0.0	0.47 72.26 0.0	0.0 0.0 0.0	9.4 0.0 0.0	9.4
19	73.71 0.0 0.0	0.68 81.66 0.0	0.0 0.0 0.0	7.94 0.0 0.0	7.94
20	84.56 0.0 0.0	0.85 89.06 0.0	0.0 0.0 0.0	4.5 0.0 0.0	4.5
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
Mean lightness difference (16 steps)					$\Delta E^*_{\text{CIELAB}} = 5.8$
Mean lightness difference (5 steps)					$\Delta L^*_{\text{CIELAB}} = 4.4$
Mean colour reproduction index:					$R^*_{\text{ab,m}} = 75$

OE710-3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

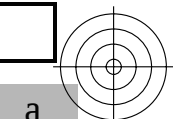
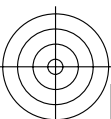
L^*/Y_{intended} (absolute)	52.0/20.2	54.9/22.8	57.8/25.8	60.7/28.9	63.6/32.3	66.5/36.0	69.4/39.9	72.3/44.1	75.2/48.5	78.1/53.3	80.9/58.4	83.8/63.8	86.7/69.5	89.6/75.5	92.5/81.9	95.4/88.6
$w^* w^* w^*$ setrgb $g_P=0.55$ No. and Hex code	00;F	01;E	02;D	03;C	04;B	05;A	06;9	07;8	08;7	09;6	10;5	11;4	12;3	13;2	14;1	15;0
$w^* = l^*$ CIELAB, r (relative)	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^*_{intended} w^*_{out}	0.000 0.0	0.067 0.226	0.133 0.33	0.200 0.413	0.267 0.484	0.333 0.546	0.400 0.604	0.467 0.658	0.533 0.707	0.600 0.755	0.667 0.8	0.733 0.843	0.800 0.885	0.867 0.925	0.933 0.963	1.000 1.0

OE710-7N, Picture A7-136-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

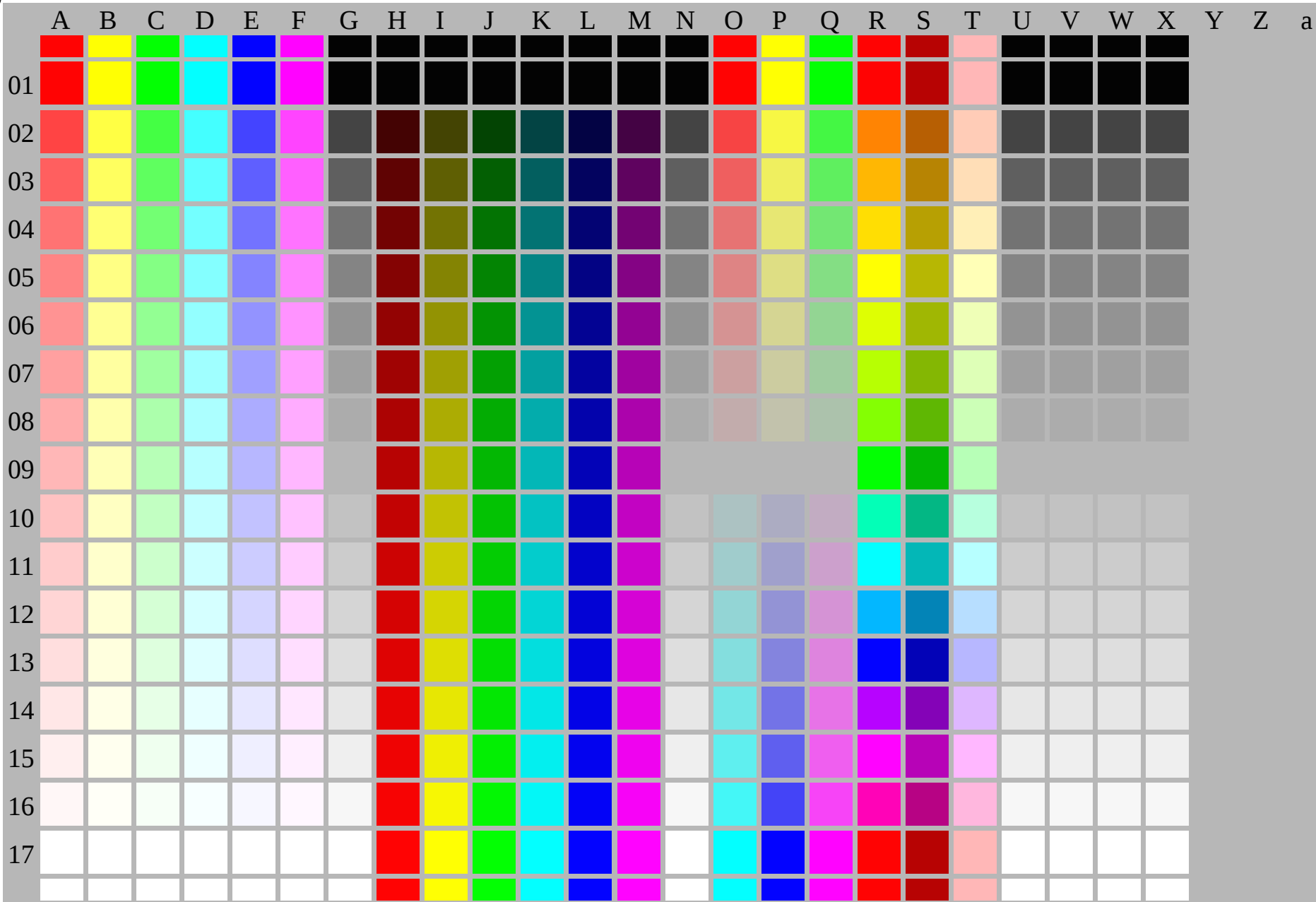
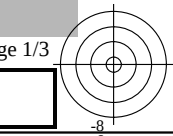
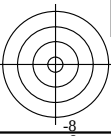
OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:20$; Y_N range 15 to <30

input: cmy0 ($\rightarrow \text{cmy0}^*_d$) setcmyk
output 136-2: $g_P=0.55$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB



OE710-7N-137-0: Test chart with 24x17=408 colours and digital equidistant 17 step colour scales; compare ISO/IEC 15775:1999; rgb colour data, patch size and grey layout: 8mm x 8mm, 247mm x 170mm, Page 1/3

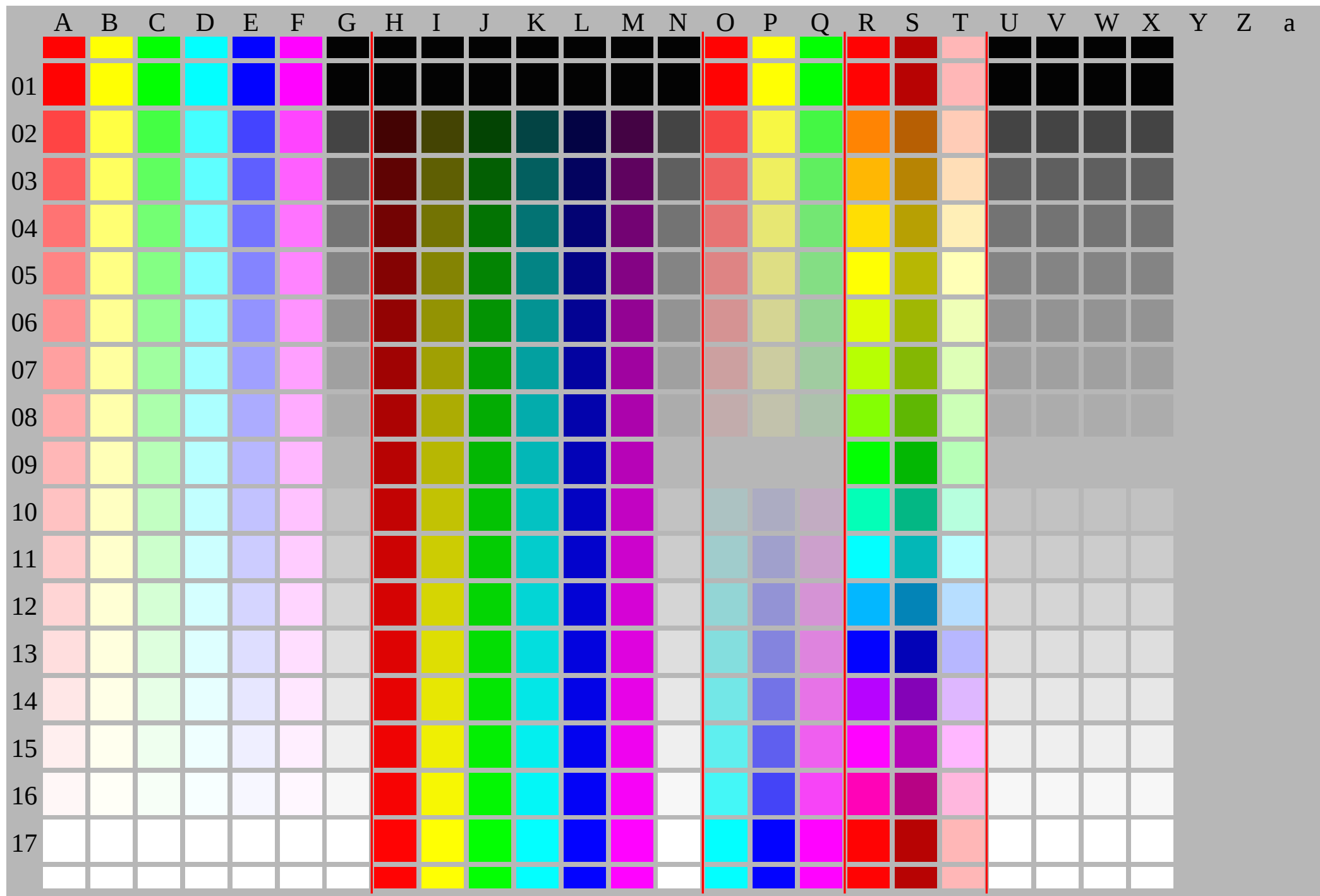


OE71: Test chart 2 according to DIN 33872-1; 1MR, DH
17 step equally spaced colours and three hue circles

input: *cmY0* ($\rightarrow$ *cmY0**_d) *setcmyk*
output 137-0: *g_P*=0.47; *g_N*=1.0



TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rha4ta



See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	l*out	LAB*out	LAB*out/c-ref	ΔE*
1	69.7 0.0 0.0	0.0 69.7 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
2	71.41 0.0 0.0	0.28 76.8 0.0	0.0 0.0 0.0	5.39 0.0 0.0	5.39
3	73.13 0.0 0.0	0.38 79.57 0.0	0.0 0.0 0.0	6.45 0.0 0.0	6.45
4	74.84 0.0 0.0	0.47 81.67 0.0	0.0 0.0 0.0	6.83 0.0 0.0	6.83
5	76.55 0.0 0.0	0.53 83.42 0.0	0.0 0.0 0.0	6.87 0.0 0.0	6.87
6	78.27 0.0 0.0	0.59 84.96 0.0	0.0 0.0 0.0	6.69 0.0 0.0	6.69
7	79.98 0.0 0.0	0.65 86.34 0.0	0.0 0.0 0.0	6.35 0.0 0.0	6.35
8	81.7 0.0 0.0	0.7 87.6 0.0	0.0 0.0 0.0	5.9 0.0 0.0	5.9
9	83.41 0.0 0.0	0.74 88.77 0.0	0.0 0.0 0.0	5.36 0.0 0.0	5.36
10	85.12 0.0 0.0	0.78 89.87 0.0	0.0 0.0 0.0	4.75 0.0 0.0	4.75
11	86.84 0.0 0.0	0.82 90.91 0.0	0.0 0.0 0.0	4.07 0.0 0.0	4.07
12	88.55 0.0 0.0	0.86 91.89 0.0	0.0 0.0 0.0	3.33 0.0 0.0	3.33
13	90.27 0.0 0.0	0.9 92.82 0.0	0.0 0.0 0.0	2.56 0.0 0.0	2.56
14	91.98 0.0 0.0	0.93 93.72 0.0	0.0 0.0 0.0	1.74 0.0 0.0	1.74
15	93.7 0.0 0.0	0.97 94.58 0.0	0.0 0.0 0.0	0.89 0.0 0.0	0.89
16	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
17	69.7 0.0 0.0	0.0 69.7 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01
18	76.13 0.0 0.0	0.52 83.01 0.0	0.0 0.0 0.0	6.88 0.0 0.0	6.88
19	82.55 0.0 0.0	0.72 88.2 0.0	0.0 0.0 0.0	5.64 0.0 0.0	5.64
20	88.98 0.0 0.0	0.87 92.13 0.0	0.0 0.0 0.0	3.14 0.0 0.0	3.14
21	95.41 0.0 0.0	1.0 95.41 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.01

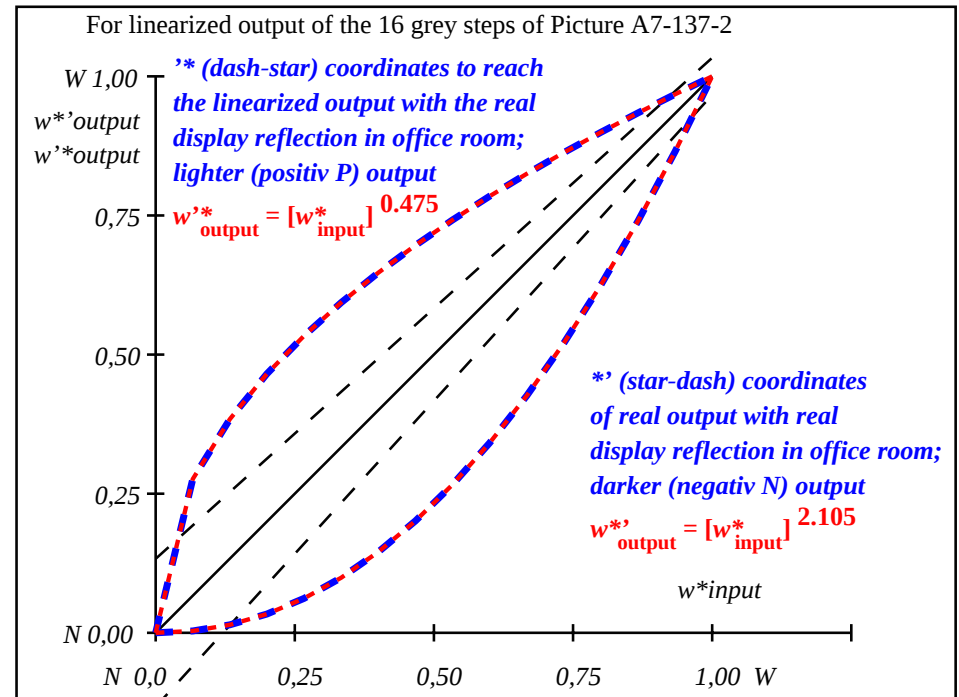
Start output S1
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps) $\Delta E^*_{CIELAB} = 4.2$

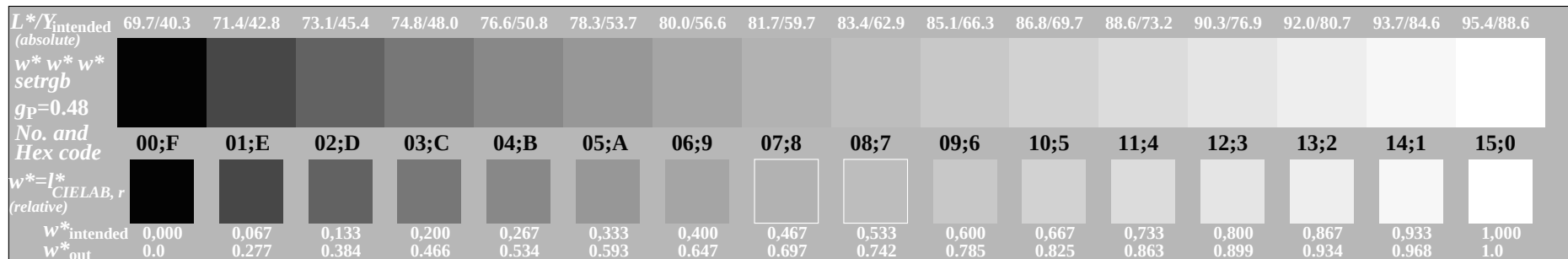
Mean lightness difference (5 steps) $\Delta L^*_{CIELAB} = 3.1$

Mean colour reproduction index: $R^*_{ab,m} = 82$

OE710-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE711-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE710-7N, Picture A7-137-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* setrgbcolor$

OE71: In-output relation according to ISO 9241-306; 1MR, DH
Viewing Y contrast $Y_W:Y_N=88,9:40$; Y_N range 30 to <60

input: $cmy0$ (-> $cmy0^*_d$) $setcmyk$
output 137-2: $g_P=0.47$; $g_N=1.0$

TUB registration: 20110801-OE71/OE71L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta