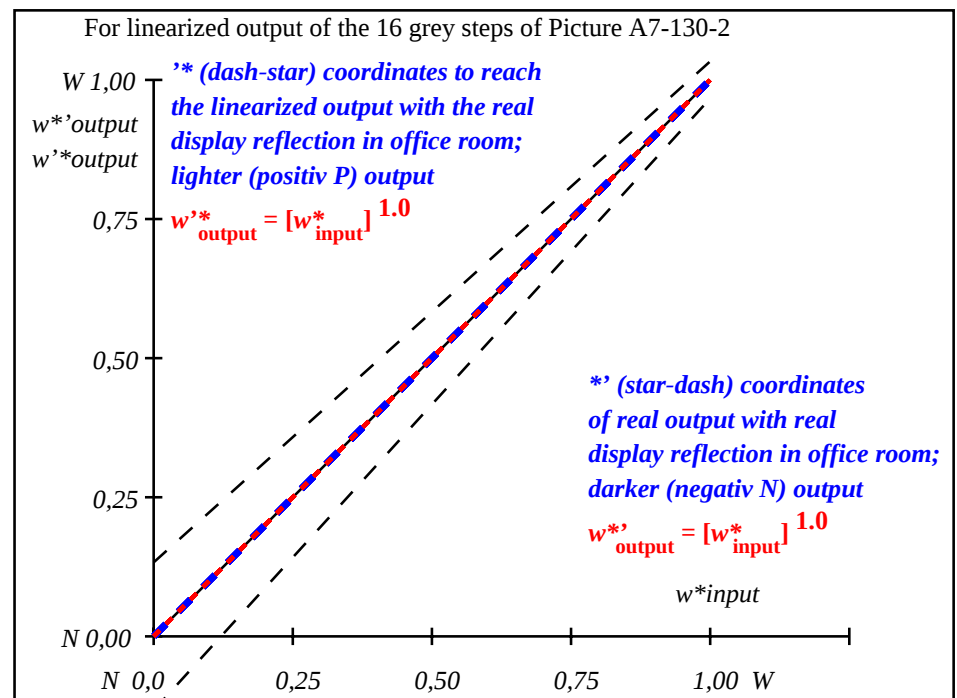


See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1, CIELAB

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE^*	Start output S1
1	0.0	0.0	0.0	0.0	0.0	0.01
2	6.36	0.0	0.07	6.36	0.0	0.01
3	12.72	0.0	0.13	12.72	0.0	0.01
4	19.08	0.0	0.2	19.08	0.0	0.01
5	25.44	0.0	0.27	25.44	0.0	0.01
6	31.8	0.0	0.33	31.8	0.0	0.01
7	38.16	0.0	0.4	38.16	0.0	0.01
8	44.52	0.0	0.47	44.52	0.0	0.01
9	50.89	0.0	0.53	50.89	0.0	0.01
10	57.25	0.0	0.6	57.25	0.0	0.01
11	63.61	0.0	0.67	63.61	0.0	0.01
12	69.97	0.0	0.73	69.97	0.0	0.01
13	76.33	0.0	0.8	76.33	0.0	0.01
14	82.69	0.0	0.87	82.69	0.0	0.01
15	89.05	0.0	0.93	89.05	0.0	0.01
16	95.41	0.0	1.0	95.41	0.0	0.01
17	0.0	0.0	0.0	0.0	0.0	0.01
18	23.85	0.0	0.25	23.85	0.0	0.01
19	47.71	0.0	0.5	47.71	0.0	0.01
20	71.56	0.0	0.75	71.56	0.0	0.01
21	95.41	0.0	1.0	95.41	0.0	0.01
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:						$R^*_{ab,m} = 100$

OE510-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y^*_{\text{intended}}$ (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

OE510-7N, Picture A7-130-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE51: 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

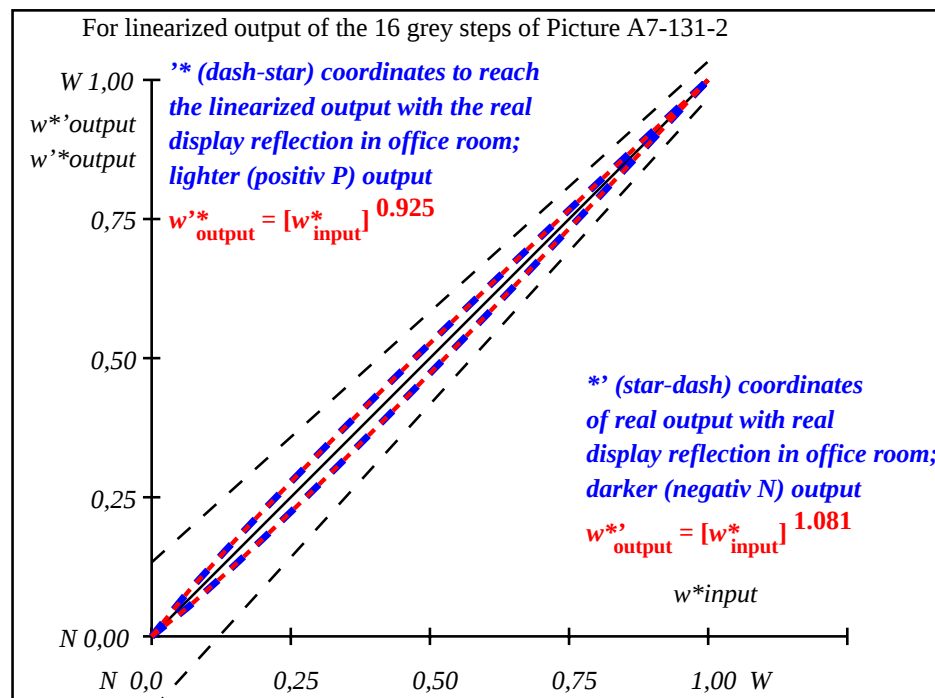
input: w ($\rightarrow \text{rgb}^*_d$) setgray
output 130-2: $g_P=1.0$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
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	Specification according to
2	11.67 0.0 0.0	0.08 13.02 0.0 0.0	13.02 0.0 0.0	1.35 0.0 0.0	1.35	ISO/IEC 15775 Annex G
3	17.65 0.0 0.0	0.16 19.6 0.0 0.0	19.6 0.0 0.0	1.95 0.0 0.0	1.95	and DIN 33866-1 Annex G
4	23.63 0.0 0.0	0.23 25.94 0.0 0.0	25.94 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	32.11 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	38.17 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	44.13 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	50.02 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	55.85 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	61.62 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	67.35 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	73.03 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	78.68 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	84.29 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	89.86 0.0 0.0	0.43 0.0 0.0	0.43	Mean lightness difference (16 steps)
16	95.41 0.0 0.0	1.0 95.41 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.01	ΔE*CIELAB = 1.6
17	5.69 0.0 0.0	0.0 5.69 0.0 0.0	5.69 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	30.58 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	52.94 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	74.45 0.0 0.0	1.47 0.0 0.0	1.47	Mean lightness difference (5 steps)
21	95.41 0.0 0.0	1.0 95.41 0.0 0.0	95.41 0.0 0.0	0.0 0.0 0.0	0.01	ΔL*CIELAB = 1.3
Mean colour reproduction index:					R* _{ab,m} = 93	

OE510-3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-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
$w^*=l^*_{CIELAB, r}$ (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

OE510-7N, Picture A7-131-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE51: 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: w ($\rightarrow rgb^*_d$) setgray
output 131-2: $g_p=0.92$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

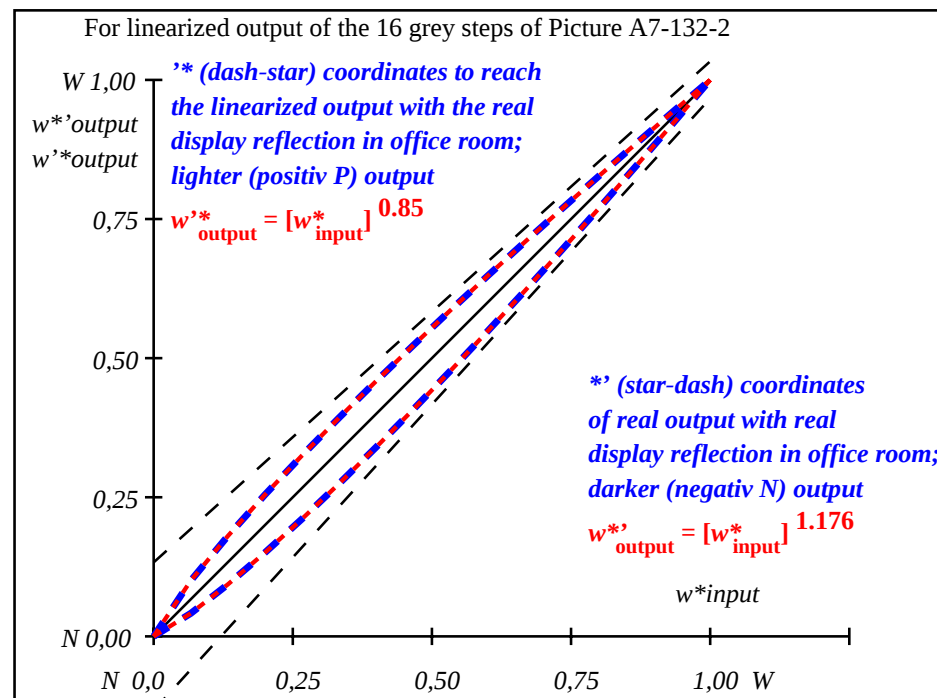
i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
1	10.99	0.0	0.0	0.0	0.0	0.01
2	16.62	0.0	0.1	19.44	0.0	2.82
3	22.25	0.0	0.18	26.22	0.0	3.97
4	27.88	0.0	0.25	32.49	0.0	4.61
5	33.5	0.0	0.33	38.44	0.0	4.94
6	39.13	0.0	0.39	44.17	0.0	5.04
7	44.76	0.0	0.46	49.73	0.0	4.98
8	50.39	0.0	0.52	55.16	0.0	4.77
9	56.02	0.0	0.59	60.47	0.0	4.45
10	61.64	0.0	0.65	65.68	0.0	4.03
11	67.27	0.0	0.71	70.8	0.0	3.53
12	72.9	0.0	0.77	75.85	0.0	2.95
13	78.53	0.0	0.83	80.83	0.0	2.3
14	84.15	0.0	0.89	85.74	0.0	1.59
15	89.78	0.0	0.94	90.6	0.0	0.82
16	95.41	0.0	1.0	95.41	0.0	0.01
17	10.99	0.0	0.0	10.99	0.0	0.01
18	32.1	0.0	0.31	36.98	0.0	4.88
19	53.2	0.0	0.55	57.83	0.0	4.62
20	74.31	0.0	0.78	77.1	0.0	2.79
21	95.41	0.0	1.0	95.41	0.0	0.01

Mean lightness difference (16 steps) $\Delta E^*_{CIELAB} = 3.2$

Mean lightness difference (5 steps) $\Delta L^*_{CIELAB} = 2.5$

Mean colour reproduction index: $R^*_{ab,m} = 86$

OE510-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-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
$w^* = L^*_{CIELAB, r}$ (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	0.067	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

OE510-7N, Picture A7-132-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* setrgbcolor$

OE51: 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: $w (->rgb^*_d) setgray$
output 132-2: $g_P=0.85$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

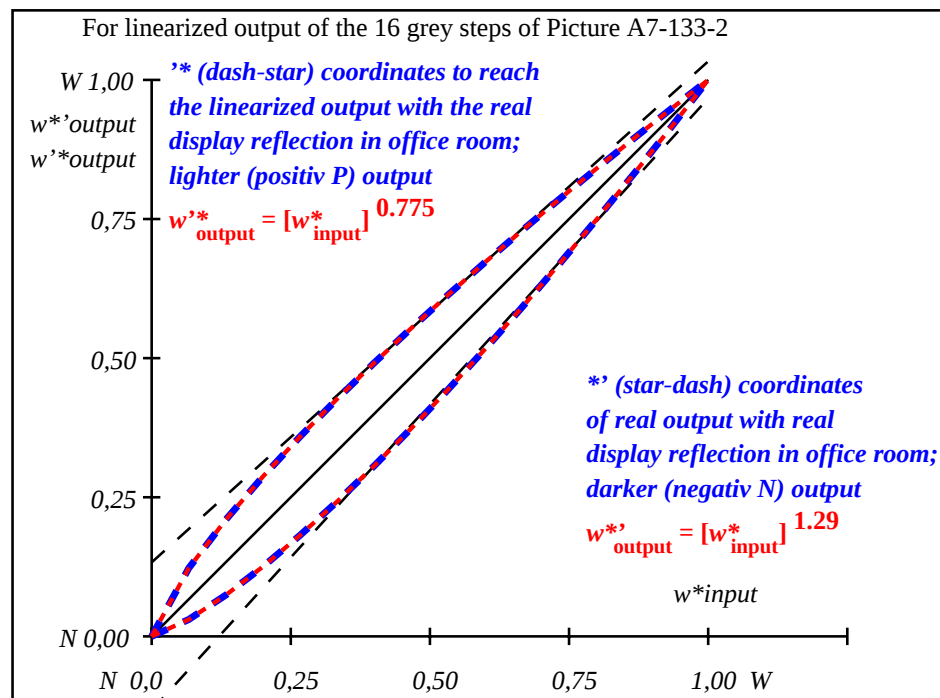
i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
1	18.01	0.0	0.0	18.01	0.0	0.0
2	23.17	0.0	0.12	27.5	0.0	0.0
3	28.33	0.0	0.21	34.25	0.0	0.0
4	33.49	0.0	0.29	40.24	0.0	0.0
5	38.65	0.0	0.36	45.8	0.0	0.0
6	43.81	0.0	0.43	51.04	0.0	0.0
7	48.97	0.0	0.49	56.06	0.0	0.0
8	54.13	0.0	0.55	60.89	0.0	0.0
9	59.29	0.0	0.61	65.56	0.0	0.0
10	64.45	0.0	0.67	70.11	0.0	0.0
11	69.61	0.0	0.73	74.54	0.0	0.0
12	74.77	0.0	0.79	78.87	0.0	0.0
13	79.93	0.0	0.84	83.12	0.0	0.0
14	85.09	0.0	0.9	87.28	0.0	0.0
15	90.25	0.0	0.95	91.38	0.0	0.0
16	95.41	0.0	1.0	95.41	0.0	0.0
17	18.01	0.0	0.0	18.01	0.0	0.0
18	37.36	0.0	0.34	44.44	0.0	0.0
19	56.71	0.0	0.58	63.24	0.0	0.0
20	76.06	0.0	0.8	79.94	0.0	0.0
21	95.41	0.0	1.0	95.41	0.0	0.0

Mean lightness difference (16 steps) $\Delta E^*_{\text{CIELAB}} = 4.5$

Mean lightness difference (5 steps) $\Delta E^*_{\text{CIELAB}} = 3.5$

Mean colour reproduction index: $R^*_{\text{ab,m}} = 80$

OE510-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y^*_{\text{intended}}$ (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)	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	0.123	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

OE510-7N, Picture A7-133-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE51: 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

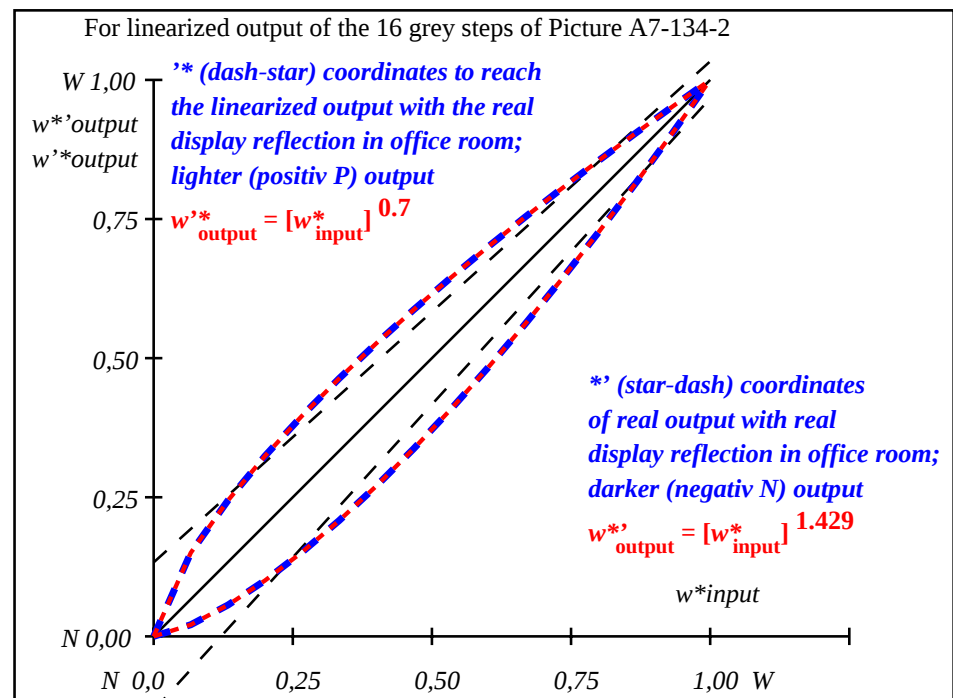
input: $w (->rgb_d)$ setgray
output 133-2: $g_p=0.77$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
1	26.85 0.0 0.0	0.0	26.85 0.0 0.0	0.0 0.0 0.0	0.01	Specification according to
2	31.42 0.0 0.0	0.15	37.15 0.0 0.0	5.73 0.0 0.0	5.73	ISO/IEC 15775 Annex G
3	35.99 0.0 0.0	0.24	43.58 0.0 0.0	7.59 0.0 0.0	7.59	and DIN 33866-1 Annex G
4	40.56 0.0 0.0	0.32	49.07 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	8.9 0.0 0.0	8.9	
6	49.7 0.0 0.0	0.46	58.62 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	8.68 0.0 0.0	8.68	
8	58.84 0.0 0.0	0.59	67.06 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	7.59 0.0 0.0	7.59	
10	67.99 0.0 0.0	0.7	74.8 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	5.91 0.0 0.0	5.91	
12	77.13 0.0 0.0	0.8	82.03 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	3.8 0.0 0.0	3.8	
14	86.27 0.0 0.0	0.9	88.87 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	1.34 0.0 0.0	1.34	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} = 5.6
17	26.85 0.0 0.0	0.0	26.85 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	8.84 0.0 0.0	8.84	
19	61.13 0.0 0.0	0.62	69.05 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	4.64 0.0 0.0	4.64	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} = 4.3
Mean colour reproduction index:					R* _{ab,m} = 76	

OE510-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-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

OE510-7N, Picture A7-134-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^*$ setrgbcolor

OE51: 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: w ($\rightarrow \text{rgb}^*_{\text{d}}$) setgray
output 134-2: $g_p=0.7$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=thata

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

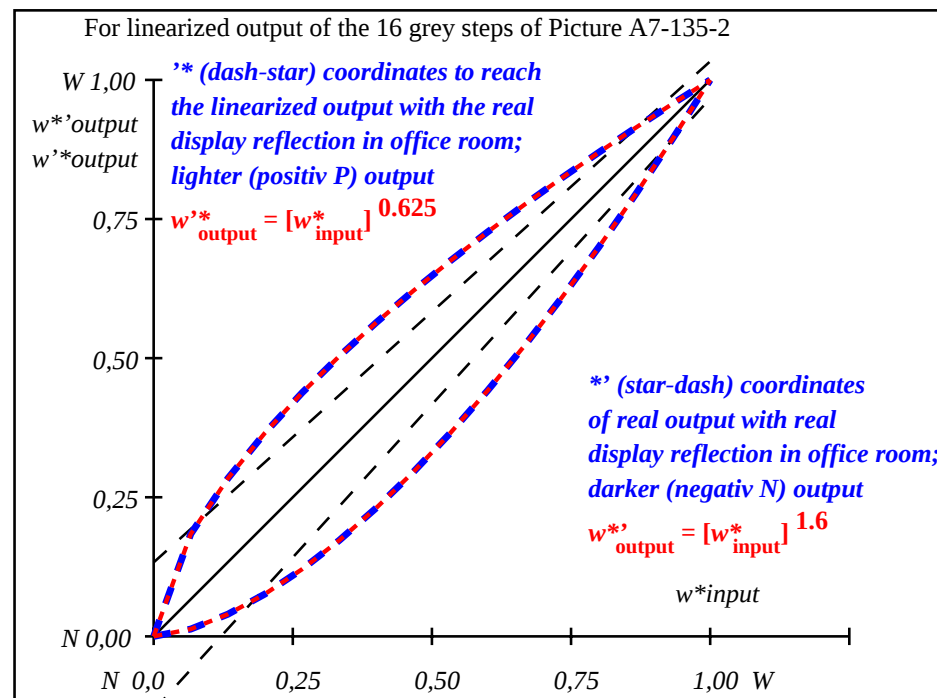
i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE^*	Start output S1
1	37.99	0.0	0.0	37.99	0.0	0.0
2	41.81	0.0	0.18	48.55	0.0	0.0
3	45.64	0.0	0.28	54.29	0.0	0.0
4	49.47	0.0	0.37	58.99	0.0	0.0
5	53.3	0.0	0.44	63.12	0.0	0.0
6	57.13	0.0	0.5	66.89	0.0	0.0
7	60.96	0.0	0.56	70.37	0.0	0.0
8	64.78	0.0	0.62	73.65	0.0	0.0
9	68.61	0.0	0.68	76.75	0.0	0.0
10	72.44	0.0	0.73	79.71	0.0	0.0
11	76.27	0.0	0.78	82.56	0.0	0.0
12	80.1	0.0	0.82	85.29	0.0	0.0
13	83.93	0.0	0.87	87.93	0.0	0.0
14	87.75	0.0	0.91	90.5	0.0	0.0
15	91.58	0.0	0.96	92.99	0.0	0.0
16	95.41	0.0	1.0	95.41	0.0	0.0
17	37.99	0.0	0.0	37.99	0.0	0.0
18	52.34	0.0	0.42	62.13	0.0	0.0
19	66.7	0.0	0.65	75.22	0.0	0.0
20	81.05	0.0	0.84	85.96	0.0	0.0
21	95.41	0.0	1.0	95.41	0.0	0.0

Mean lightness difference (16 steps) $\Delta E^*_{\text{CIELAB}} = 6.1$

Mean lightness difference (5 steps) $\Delta E^*_{\text{CIELAB}} = 4.6$

Mean colour reproduction index: $R^*_{\text{ab,m}} = 73$

OE510-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

$L^*/Y^*_{\text{intended}}$ (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)	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	0.185	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

OE510-7N, Picture A7-135-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

OE51: 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

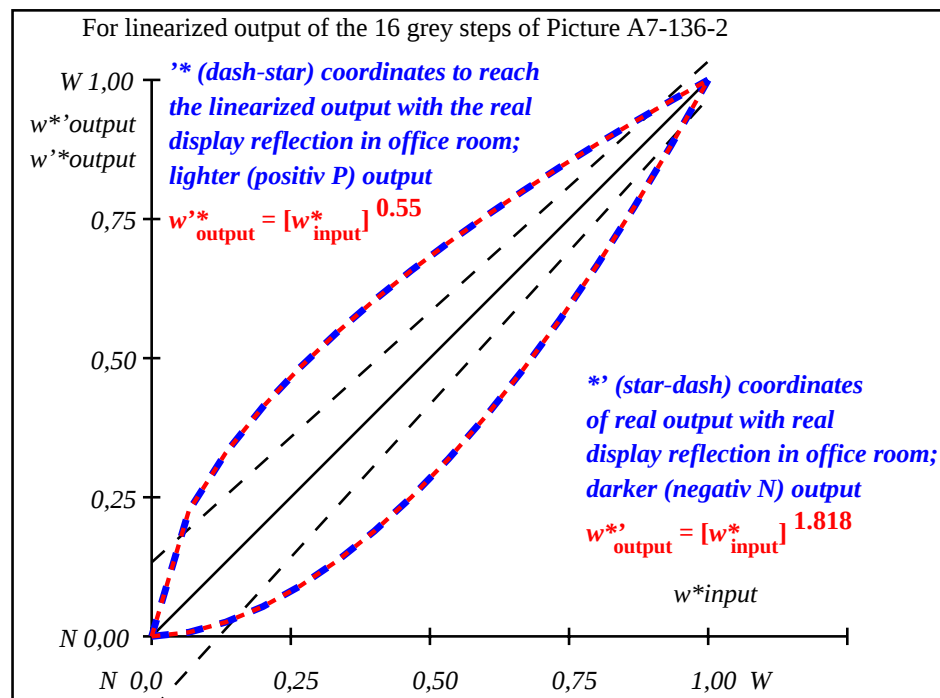
input: w ($\rightarrow \text{rgb}^*_d$) setgray
output 135-2: $g_p=0.62$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
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	Specification according to
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	ISO/IEC 15775 Annex G
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	and DIN 33866-1 Annex G
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	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 0.0 0.0	0.01	ΔE*CIELAB = 5.8
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	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 0.0 0.0	0.01	ΔL*CIELAB = 4.4
Mean colour reproduction index:					R* _{ab,m} = 75	

OE510-3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-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
$w^* = [L^*_{\text{intended}}]_{\text{CIELAB}, r}$ (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	0.226	0.33	0.413	0.484	0.546	0.604	0.658	0.707	0.755	0.8	0.843	0.885	0.925	0.963	1.0

OE510-7N, Picture A7-136-2: 16 visual equidistant L^* -grey steps; PS operator: $w^* w^* w^* \text{setrgbcolor}$

OE51: 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

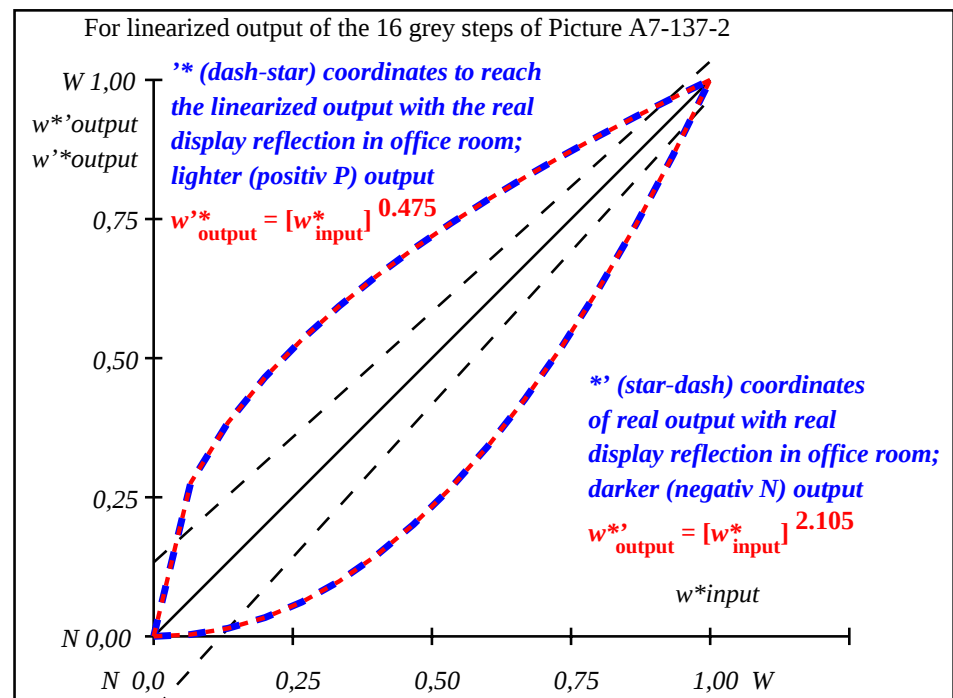
input: $w (->rgb^*_d) \text{setgray}$
output 136-2: $g_p=0.55$; $g_N=1.0$

TUB registration: 20110801-OE51/OE51L0NA.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

i	LAB*ref	L*out	LAB*out	LAB*out/c-ref	ΔE*	Start output S1
1	69.7	0.0	0.0	69.7	0.0	0.0
2	71.41	0.0	0.0	0.28	76.8	0.0
3	73.13	0.0	0.0	0.38	79.57	0.0
4	74.84	0.0	0.0	0.47	81.67	0.0
5	76.55	0.0	0.0	0.53	83.42	0.0
6	78.27	0.0	0.0	0.59	84.96	0.0
7	79.98	0.0	0.0	0.65	86.34	0.0
8	81.7	0.0	0.0	0.7	87.6	0.0
9	83.41	0.0	0.0	0.74	88.77	0.0
10	85.12	0.0	0.0	0.78	89.87	0.0
11	86.84	0.0	0.0	0.82	90.91	0.0
12	88.55	0.0	0.0	0.86	91.89	0.0
13	90.27	0.0	0.0	0.9	92.82	0.0
14	91.98	0.0	0.0	0.93	93.72	0.0
15	93.7	0.0	0.0	0.97	94.58	0.0
16	95.41	0.0	0.0	1.0	95.41	0.0
17	69.7	0.0	0.0	0.0	69.7	0.0
18	76.13	0.0	0.0	0.52	83.01	0.0
19	82.55	0.0	0.0	0.72	88.2	0.0
20	88.98	0.0	0.0	0.87	92.13	0.0
21	95.41	0.0	0.0	1.0	95.41	0.0
Mean lightness difference (16 steps)					ΔE* _{CIELAB} = 4.2	
Mean lightness difference (5 steps)					ΔL* _{CIELAB} = 3.1	
Mean colour reproduction index:					R* _{ab,m} = 82	

OE510-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



OE511-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

L*/Y _{intended} (absolute)	69.7/40.3	71.4/42.8	73.1/45.4	74.8/48.0	76.6/50.8	78.3/53.7	80.0/56.6	81.7/59.7	83.4/62.9	85.1/66.3	86.8/69.7	88.6/73.2	90.3/76.9	92.0/80.7	93.7/84.6	95.4/88.6
w* w* w* setrgb																
g _p =0.48																
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*=[*] 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	0,277	0,384	0,466	0,534	0,593	0,647	0,697	0,742	0,785	0,825	0,863	0,899	0,934	0,968	1,0

OE510-7N, Picture A7-137-2: 16 visual equidistant L*-grey steps; PS operator: w* w* w* setrgbcolor

OE51: 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: w (->rgb*_d) setgray
output 137-2: g_p=0.47; g_N=1.0

TUB registration: 20110801-OE51/OE51L0NA.TXT /.PS
application for output of displays: monitor systems or data projector systems
TUB material: code=rh4ta