

BAM registration: 20040101-CE68/L68E00F1.PS/.TXT Application for achromatic display output with CIELAB contrast range BAM material: code=rhada

$L^*/Y_n = 95.4 : 0.0$   $L^*/Y_n = 95.4 : 11.0$   $L^*/Y_n = 95.4 : 26.8$   $L^*/Y_n = 95.4 : 52.0$

$L^*/Y_n = 95.4 : 52.0$

$L^*/Y_{intended}$ (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
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)																
$w^*/Y_{intended}$ $Y_i / Y_{max}$	0.0	0.067	0.133	0.2	0.267	0.333	0.379	0.4	0.467	0.533	0.6	0.667	0.733	0.8	0.867	1.0
$Y_i / Y_{max}$	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:  $w^*$  setgray

$L^*/Y_{intended}$ (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
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)																
$w^*/Y_{intended}$ $Y_i / Y_{max}$	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
$Y_i / Y_{max}$	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:  $w^*$  setgray

$L^*/Y_{intended}$ (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
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)																
$w^*/Y_{intended}$ $Y_i / Y_{max}$	0.0	0.154	0.253	0.332	0.4	0.462	0.521	0.577	0.633	0.687	0.741	0.794	0.845	0.897	0.948	1.0
$Y_i / Y_{max}$	0.0	0.021	0.047	0.078	0.115	0.157	0.206	0.261	0.324	0.394	0.472	0.559	0.655	0.76	0.875	1.0

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

$L^*/Y_{intended}$ (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
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)																
$w^*/Y_{intended}$ $Y_i / Y_{max}$	0.0	0.226	0.338	0.419	0.487	0.547	0.603	0.654	0.702	0.748	0.793	0.836	0.878	0.92	0.959	1.0
$Y_i / Y_{max}$	0.0	0.039	0.082	0.128	0.177	0.231	0.288	0.349	0.415	0.484	0.558	0.637	0.72	0.809	0.902	1.0

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

ISO 9241-test chart for four different contrast ranges  
 Ergonomics – Visual Displays – Field Assessment Methods

input:  $w^*$  setgray  
 output: no change compared to input