

See for similar files: <http://www.ps.bam.de/LE90/>; [www.ps.bam.de/LE90/](http://www.ps.bam.de/LE90/); [www.ps.bam.de/LE90/](http://www.ps.bam.de/LE90/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM registration: 20070901-LE90/10L/L90E00NP.PS/.PDF  
 application for measurement of printer or monitor systems

BAM material: code=rh4ta  
 /LE90 Form: 1/3, Serie: 1/1, Page: 1 Page count: 1

	J50G	J	R50J
J50G	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.153 0.998 0.022  <i>cmv*</i> 0.847 0.002 0.978  <b>CIELAB absolute:</b>  <i>LAB*</i> 56.99 -54.72 43.72  <i>LAB*a</i> 56.99 -54.47 41.56  <i>LCH*a</i> 56.99 68.52 142.66  <b>CIELAB relative:</b>  <i>tab*</i> 0.51 -0.775 0.592  <i>tch*</i> 0.51 0.976 0.396  <i>nwl*</i> 0.002 0.022 0.504  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.51 -0.816 0.534  <i>tce*</i> 0.51 0.976 0.408  <i>nce*</i> 0.002 0.976 j63g</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 1.0 0.942 0.044  <i>cmv*</i> 0.0 0.058 0.956  <b>CIELAB absolute:</b>  <i>LAB*</i> 88.13 -6.27 89.58  <i>LAB*a</i> 88.13 -5.42 85.31  <i>LCH*a</i> 88.13 85.48 93.64  <b>CIELAB relative:</b>  <i>tab*</i> 0.522 -0.06 0.954  <i>tch*</i> 0.522 0.956 0.26  <i>nwl*</i> 0.0 0.044 0.906  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.522 0.018 0.956  <i>tce*</i> 0.522 0.956 0.247  <i>nce*</i> 0.0 0.956 r98j</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.999 0.347 0.026  <i>cmv*</i> 0.001 0.653 0.974  <b>CIELAB absolute:</b>  <i>LAB*</i> 62.77 38.94 64.93  <i>LAB*a</i> 62.77 39.3 62.38  <i>LCH*a</i> 62.77 73.73 57.79  <b>CIELAB relative:</b>  <i>tab*</i> 0.512 0.518 0.823  <i>tch*</i> 0.512 0.973 0.161  <i>nwl*</i> 0.001 0.026 0.578  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.512 0.765 0.6  <i>tce*</i> 0.512 0.973 0.106  <i>nce*</i> 0.001 0.973 r42j</p>
G	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.007 1.004 0.371  <i>cmv*</i> 1.008 -0.003 0.629  <b>CIELAB absolute:</b>  <i>LAB*</i> 53.6 -51.47 7.0  <i>LAB*a</i> 53.6 -51.28 5.06  <i>LCH*a</i> 53.6 51.54 174.37  <b>CIELAB relative:</b>  <i>tab*</i> 0.498 -1.006 0.099  <i>tch*</i> 0.498 1.012 0.484  <i>nwl*</i> -0.003 -0.007 0.46  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.498 -1.01 -0.046  <i>tce*</i> 0.498 1.012 0.507  <i>nce*</i> -0.003 1.012 g02b</p>		<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.998 0.001 0.226  <i>cmv*</i> 0.002 0.999 0.774  <b>CIELAB absolute:</b>  <i>LAB*</i> 47.98 67.38 38.67  <i>LAB*a</i> 47.98 67.45 37.12  <i>LCH*a</i> 47.98 76.99 28.82  <b>CIELAB relative:</b>  <i>tab*</i> 0.5 0.874 0.481  <i>tch*</i> 0.5 0.998 0.08  <i>nwl*</i> 0.002 0.001 0.387  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.5 0.997 -0.031  <i>tce*</i> 0.5 0.998 0.995  <i>nce*</i> 0.002 0.998 b97r</p>
G50B	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.008 1.004 0.819  <i>cmv*</i> 1.009 -0.003 0.181  <b>CIELAB absolute:</b>  <i>LAB*</i> 57.04 -37.0 -28.61  <i>LAB*a</i> 57.04 -36.75 -30.78  <i>LCH*a</i> 57.04 47.95 219.95  <b>CIELAB relative:</b>  <i>tab*</i> 0.498 -0.776 -0.649  <i>tch*</i> 0.498 1.013 0.611  <i>nwl*</i> -0.003 -0.008 0.504  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.498 -0.806 -0.611  <i>tce*</i> 0.498 1.013 0.603  <i>nce*</i> -0.003 1.013 g41b</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.005 0.256 1.008  <i>cmv*</i> 1.006 0.744 -0.007  <b>CIELAB absolute:</b>  <i>LAB*</i> 34.01 15.62 -44.56  <i>LAB*a</i> 34.01 15.42 -45.17  <i>LCH*a</i> 34.01 47.74 288.85  <b>CIELAB relative:</b>  <i>tab*</i> 0.501 0.328 -0.958  <i>tch*</i> 0.501 1.014 0.802  <i>nwl*</i> -0.007 -0.005 0.207  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.501 -0.012 -1.013  <i>tce*</i> 0.501 1.014 0.748  <i>nce*</i> -0.007 1.014 g99b</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.285 0.002 1.006  <i>cmv*</i> 0.715 0.998 -0.005  <b>CIELAB absolute:</b>  <i>LAB*</i> 32.24 43.96 -33.91  <i>LAB*a</i> 32.24 43.73 -34.4  <i>LCH*a</i> 32.24 55.65 321.8  <b>CIELAB relative:</b>  <i>tab*</i> 0.504 0.789 -0.62  <i>tch*</i> 0.504 1.004 0.894  <i>nwl*</i> -0.005 0.002 0.184  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.504 0.479 -0.882  <i>tce*</i> 0.504 1.004 0.829  <i>nce*</i> -0.005 1.004 b31r</p>
	G50J	B	B50R

LE900-7, Elementary and intermediate colours (8 colours) and grey; Device independent colour coordinates LAB\* as input; RJGB and R50J, J50G, G50B, B50R defined in LAB\*

BAM-test chart no. LE90; Reference: Miescher colours RJGB input: *olv\* setrgbcolor*  
 Elementary and intermediate colours (8 colours) and grey output: *no change compared to input*

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 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM registration: 20070901-LE90/10L/L90E01NP.PS/.PDF  
 application for measurement of printer or monitor systems

BAM material: code=rh4ta  
 /LE90 Form: 2/3, Serie: 1/1, Page: 2 Page count: 2

J50G  
 System: ORS18

**J50G**

**Inform. Techn. (IT) relative:**  
*olv\** 0.368 0.997 0.028  
*cmy\** 0.632 0.003 0.972

**CIELAB absolute:**  
*LAB\** 65.47 -43.42 55.92  
*LAB\*a* 65.47 -43.01 53.19  
*LCH\*a* 65.47 68.4 128.97

**CIELAB relative:**  
*tab\** 0.513 -0.608 0.753  
*tch\** 0.513 0.969 0.358  
*nwl\** 0.003 0.028 0.613

**Natural Colour (NC) relative:**  
*trj\** 0.513 -0.631 0.735  
*tce\** 0.513 0.969 0.363  
*nce\** 0.003 0.969 j45g

**J**

**Inform. Techn. (IT) relative:**  
*olv\** 1.0 0.942 0.044  
*cmy\** 0.0 0.058 0.956

**CIELAB absolute:**  
*LAB\** 88.13 -6.27 89.58  
*LAB\*a* 88.13 -5.42 85.31  
*LCH\*a* 88.13 85.48 93.64

**CIELAB relative:**  
*tab\** 0.522 -0.06 0.954  
*tch\** 0.522 0.956 0.26  
*nwl\** 0.0 0.044 0.906

**Natural Colour (NC) relative:**  
*trj\** 0.522 0.018 0.956  
*tce\** 0.522 0.956 0.247  
*nce\** 0.0 0.956 r98j

**R50J**

**Inform. Techn. (IT) relative:**  
*olv\** 0.999 0.429 0.029  
*cmy\** 0.001 0.571 0.971

**CIELAB absolute:**  
*LAB\** 66.25 32.73 68.32  
*LAB\*a* 66.25 33.16 65.53  
*LCH\*a* 66.25 73.44 63.16

**CIELAB relative:**  
*tab\** 0.514 0.438 0.866  
*tch\** 0.514 0.97 0.175  
*nwl\** 0.001 0.029 0.623

**Natural Colour (NC) relative:**  
*trj\** 0.514 0.677 0.695  
*tce\** 0.514 0.97 0.127  
*nce\** 0.001 0.97 r50j

R50J

G  
 G50B

**G**

**Inform. Techn. (IT) relative:**  
*olv\** -0.007 1.004 0.371  
*cmy\** 1.008 -0.003 0.629

**CIELAB absolute:**  
*LAB\** 53.6 -51.47 7.0  
*LAB\*a* 53.6 -51.28 5.06  
*LCH\*a* 53.6 51.54 174.37

**CIELAB relative:**  
*tab\** 0.498 -1.006 0.099  
*tch\** 0.498 1.012 0.484  
*nwl\** -0.003 -0.007 0.46

**Natural Colour (NC) relative:**  
*trj\** 0.498 -1.01 -0.046  
*tce\** 0.498 1.012 0.507  
*nce\** -0.003 1.012 g02b

**B**

**Inform. Techn. (IT) relative:**  
*olv\** -0.005 0.256 1.008  
*cmy\** 1.006 0.744 -0.007

**CIELAB absolute:**  
*LAB\** 34.01 15.62 -44.56  
*LAB\*a* 34.01 15.42 -45.17  
*LCH\*a* 34.01 47.74 288.85

**CIELAB relative:**  
*tab\** 0.501 0.328 -0.958  
*tch\** 0.501 1.014 0.802  
*nwl\** -0.007 -0.005 0.207

**Natural Colour (NC) relative:**  
*trj\** 0.501 -0.012 -1.013  
*tce\** 0.501 1.014 0.748  
*nce\** -0.007 1.014 g99b

**R**

**Inform. Techn. (IT) relative:**  
*olv\** 0.998 0.001 0.226  
*cmy\** 0.002 0.999 0.774

**CIELAB absolute:**  
*LAB\** 47.98 67.38 38.67  
*LAB\*a* 47.98 67.45 37.12  
*LCH\*a* 47.98 76.99 28.82

**CIELAB relative:**  
*tab\** 0.5 0.874 0.481  
*tch\** 0.5 0.998 0.08  
*nwl\** 0.002 0.001 0.387

**Natural Colour (NC) relative:**  
*trj\** 0.5 0.997 -0.031  
*tce\** 0.5 0.998 0.995  
*nce\** 0.002 0.998 b97r

R  
 B50R

LE900-7, Elementary and intermediate colours (8 colours) and grey; Device independent colour coordinates LAB\* as input; RJGB defined by Miescher and R50J, J50G, G50B, B50R interpolated

BAM-test chart no. LE90; Reference: Miescher colours *RJGB* input: *olv\* setrgbcolor*  
 Elementary and intermediate colours (8 colours) and grey output: *no change compared to input*



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 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1

BAM registration: 20070901-LE90/10L/L90E02NP.PS/.PDF  
 application for measurement of printer or monitor systems

LE90 Form: 3/3, Serie: 1/1, Page: 3 Page count: 3

BAM material: code=rh4ta

	J50G	J	R50J	
J50G	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.513 0.996 0.032  <i>cmy*</i> 0.487 0.004 0.968  <b>CIELAB absolute:</b>  <i>LAB*</i> 71.17 -35.82 64.13  <i>LAB*a</i> 71.17 -35.3 61.01  <i>LCH*a</i> 71.17 70.49 120.06  <b>CIELAB relative:</b>  <i>tab*</i> 0.514 -0.482 0.834  <i>tch*</i> 0.514 0.964 0.334  <i>nwl*</i> 0.004 0.032 0.687  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.514 -0.484 0.833  <i>tce*</i> 0.514 0.964 0.334  <i>nce*</i> 0.004 0.964 j33g</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 1.0 0.895 0.043  <i>cmy*</i> 0.0 0.105 0.957  <b>CIELAB absolute:</b>  <i>LAB*</i> 86.14 -2.72 87.64  <i>LAB*a</i> 86.14 -1.91 83.51  <i>LCH*a</i> 86.14 83.53 91.32  <b>CIELAB relative:</b>  <i>tab*</i> 0.521 -0.021 0.957  <i>tch*</i> 0.521 0.957 0.254  <i>nwl*</i> 0.0 0.043 0.88  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.521 0.073 0.954  <i>tce*</i> 0.521 0.957 0.238  <i>nce*</i> 0.0 0.957 r95j</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.999 0.351 0.026  <i>cmy*</i> 0.001 0.649 0.974  <b>CIELAB absolute:</b>  <i>LAB*</i> 62.94 38.64 65.09  <i>LAB*a</i> 62.94 39.01 62.53  <i>LCH*a</i> 62.94 73.7 58.04  <b>CIELAB relative:</b>  <i>tab*</i> 0.513 0.515 0.825  <i>tch*</i> 0.513 0.973 0.161  <i>nwl*</i> 0.001 0.026 0.58  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.513 0.761 0.605  <i>tce*</i> 0.513 0.973 0.107  <i>nce*</i> 0.001 0.973 r42j</p>	R50J
G	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.007 1.004 0.269  <i>cmy*</i> 1.008 -0.003 0.731  <b>CIELAB absolute:</b>  <i>LAB*</i> 52.81 -54.77 15.12  <i>LAB*a</i> 52.81 -54.6 13.24  <i>LCH*a</i> 52.81 56.19 166.37  <b>CIELAB relative:</b>  <i>tab*</i> 0.498 -0.983 0.238  <i>tch*</i> 0.498 1.012 0.462  <i>nwl*</i> -0.003 -0.007 0.45  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.498 -1.007 0.092  <i>tce*</i> 0.498 1.012 0.485  <i>nce*</i> -0.003 1.012 j94g</p>		<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.998 0.001 0.347  <i>cmy*</i> 0.002 0.999 0.653  <b>CIELAB absolute:</b>  <i>LAB*</i> 48.0 68.57 31.54  <i>LAB*a</i> 48.0 68.65 29.99  <i>LCH*a</i> 48.0 74.91 23.59  <b>CIELAB relative:</b>  <i>tab*</i> 0.5 0.914 0.399  <i>tch*</i> 0.5 0.998 0.066  <i>nwl*</i> 0.002 0.001 0.387  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.5 0.991 -0.112  <i>tce*</i> 0.5 0.998 0.982  <i>nce*</i> 0.002 0.998 b92r</p>	R
G50B	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.008 1.004 0.846  <i>cmy*</i> 1.009 -0.003 0.154  <b>CIELAB absolute:</b>  <i>LAB*</i> 57.25 -36.11 -30.8  <i>LAB*a</i> 57.25 -35.86 -32.98  <i>LCH*a</i> 57.25 48.73 222.61  <b>CIELAB relative:</b>  <i>tab*</i> 0.498 -0.745 -0.685  <i>tch*</i> 0.498 1.013 0.618  <i>nwl*</i> -0.003 -0.008 0.507  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.498 -0.784 -0.639  <i>tce*</i> 0.498 1.013 0.609  <i>nce*</i> -0.003 1.013 g43b</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> -0.007 0.492 1.017  <i>cmy*</i> 1.008 0.508 -0.016  <b>CIELAB absolute:</b>  <i>LAB*</i> 41.72 1.22 -44.7  <i>LAB*a</i> 41.72 1.17 -45.83  <i>LCH*a</i> 41.72 45.86 271.46  <b>CIELAB relative:</b>  <i>tab*</i> 0.504 0.026 -1.024  <i>tch*</i> 0.504 1.025 0.754  <i>nwl*</i> -0.016 -0.007 0.306  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.504 -0.245 -0.994  <i>tce*</i> 0.504 1.025 0.711  <i>nce*</i> -0.016 1.025 g84b</p>	<p><b>Inform. Techn. (IT) relative:</b>  <i>olv*</i> 0.664 0.002 1.017  <i>cmy*</i> 0.336 0.998 -0.016  <b>CIELAB absolute:</b>  <i>LAB*</i> 40.82 60.87 -20.11  <i>LAB*a</i> 40.82 60.81 -21.18  <i>LCH*a</i> 40.82 64.4 340.78  <b>CIELAB relative:</b>  <i>tab*</i> 0.509 0.958 -0.333  <i>tch*</i> 0.509 1.015 0.947  <i>nwl*</i> -0.016 0.002 0.295  <b>Natural Colour (NC) relative:</b>  <i>trj*</i> 0.509 0.722 -0.711  <i>tce*</i> 0.509 1.015 0.876  <i>nce*</i> -0.016 1.015 b50r</p>	B50R
	G50J	B	B50R	