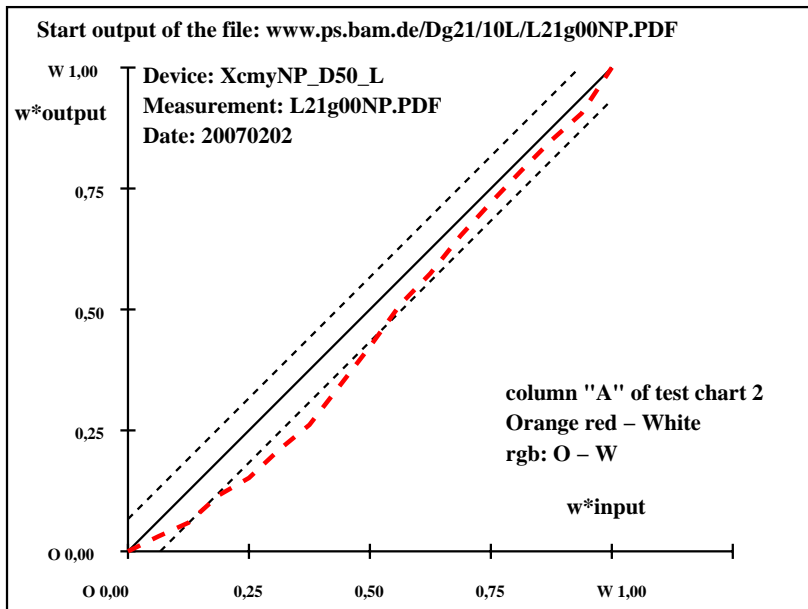


| T | i | LAB*a,ref | | | | hab,ref | | | | LAB*a,out | | | | hab,out | | | | LAB*a,out/c-ref | | | | ΔH^* ΔE^* | | | | Start output S1 |
|---|----|-----------|------|------|----|---------|------|------|----|-----------|------|------|------|---------|---|-----|-----|-----------------|-----|------------------------------|--|---------------------------|--|--|--|-----------------|
| O | 1 | 48.3 | 64.0 | 50.4 | 38 | 48.3 | 64.0 | 50.4 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | | |
| | 2 | 51.2 | 60.0 | 47.3 | 38 | 49.9 | 61.7 | 49.7 | 39 | -1.2 | 1.7 | 2.5 | 3.0 | 3.3 | ISO/IEC 15775:1999 Annex G | | | | | and DIN 33866-1:2000 Annex G | | | | | | |
| | 3 | 54.1 | 56.0 | 44.1 | 38 | 51.2 | 59.7 | 48.4 | 39 | -2.9 | 3.7 | 4.3 | 5.7 | 6.4 | relative CIELAB data used for "out" | | | | | | | | | | | |
| | 4 | 57.1 | 52.0 | 41.0 | 38 | 53.2 | 56.4 | 44.4 | 38 | -3.7 | 4.4 | 3.5 | 5.6 | 6.8 | $\Delta L^* = 95.23 - 48.25$ | | | | | | | | | | | |
| | 5 | 60.0 | 48.0 | 37.8 | 38 | 54.8 | 54.1 | 42.5 | 38 | -5.1 | 6.1 | 4.7 | 7.7 | 9.3 | Regularity | | | | | | | | | | | |
| | 6 | 62.9 | 44.0 | 34.7 | 38 | 57.5 | 49.8 | 40.2 | 39 | -5.4 | 5.8 | 5.5 | 8.0 | 9.7 | $g^* = 40.8$ | | | | | | | | | | | |
| | 7 | 65.9 | 40.0 | 31.5 | 38 | 59.9 | 45.7 | 38.8 | 40 | -5.9 | 5.7 | 7.3 | 9.3 | 11.0 | Lightness gamut relative to offset | | | | | | | | | | | |
| | 8 | 68.8 | 36.0 | 28.4 | 38 | 63.9 | 39.2 | 37.2 | 44 | -4.8 | 3.2 | 8.9 | 9.4 | 10.6 | $f^* = 60.7$ | | | | | | | | | | | |
| | 9 | 71.7 | 32.0 | 25.2 | 38 | 67.3 | 32.7 | 34.9 | 47 | -4.3 | 0.7 | 9.7 | 9.7 | 10.7 | Orange red – White | | | | | | | | | | | |
| | 10 | 74.7 | 28.0 | 22.1 | 38 | 71.1 | 25.4 | 33.5 | 53 | -3.4 | -2.5 | 11.4 | 11.7 | 12.3 | rgb: O – W | | | | | | | | | | | |
| | 11 | 77.6 | 24.0 | 18.9 | 38 | 73.2 | 19.8 | 31.9 | 58 | -4.3 | -4.1 | 13.0 | 13.7 | 14.4 | Mean CIELAB difference (17 steps) | | | | | | | | | | | |
| | 12 | 80.5 | 20.0 | 15.8 | 38 | 76.4 | 13.8 | 29.1 | 65 | -4.0 | -6.1 | 13.4 | 14.7 | 15.3 | $\Delta H^{*CIELAB} = 7.6$ | | | | | | | | | | | |
| | 13 | 83.5 | 16.0 | 12.6 | 38 | 79.2 | 10.5 | 22.5 | 65 | -4.2 | -5.4 | 9.9 | 11.3 | 12.1 | $\Delta E^{*CIELAB} = 8.5$ | | | | | | | | | | | |
| | 14 | 86.4 | 12.0 | 9.5 | 38 | 82.1 | 7.5 | 16.8 | 66 | -4.2 | -4.4 | 7.3 | 8.6 | 9.6 | Mean CIELAB difference (5 steps) | | | | | | | | | | | |
| | 15 | 89.4 | 8.0 | 6.3 | 38 | 85.4 | 4.2 | 12.6 | 72 | -3.9 | -3.7 | 6.3 | 7.4 | 8.4 | $\Delta H^{*CIELAB} = 5.8$ | | | | | | | | | | | |
| | 16 | 92.3 | 4.0 | 3.2 | 38 | 88.4 | 3.7 | 5.7 | 57 | -3.8 | -0.2 | 2.5 | 2.6 | 4.7 | $\Delta E^{*CIELAB} = 6.4$ | | | | | | | | | | | |
| W | 17 | 95.2 | 0.0 | 0.0 | 0 | 95.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 63$ | | | | | | | | | | | |
| O | 18 | 48.3 | 64.0 | 50.4 | 38 | 48.3 | 64.0 | 50.4 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | | | |
| | 19 | 60.0 | 48.0 | 37.8 | 38 | 54.8 | 54.1 | 42.5 | 38 | -5.1 | 6.1 | 4.7 | 7.7 | 9.3 | | | | | | | | | | | | |
| | 20 | 71.7 | 32.0 | 25.2 | 38 | 67.3 | 32.7 | 34.9 | 47 | -4.3 | 0.7 | 9.7 | 9.7 | 10.7 | | | | | | | | | | | | |
| | 21 | 83.5 | 16.0 | 12.6 | 38 | 79.2 | 10.5 | 22.5 | 65 | -4.2 | -5.4 | 9.9 | 11.3 | 12.1 | | | | | | | | | | | | |
| W | 22 | 95.2 | 0.0 | 0.0 | 0 | 95.2 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | | | |

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| T | i | LAB*a,ref | | hab,ref | LAB*a,out | | hab,out | LAB*a,out/c-ref | | | | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | |
|---------------------------------|----|-----------|------|---------|-----------|------|---------|-----------------|----|------|------|--------------|--------------|-----------------|-------------------------------------|--|--|--|--|--|--|--|--|--|
| O | 1 | 46.3 | 60.1 | 47.0 | 38 | 46.3 | 60.1 | 47.0 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | | | | | |
| | 2 | 49.4 | 56.3 | 44.1 | 38 | 48.0 | 57.7 | 46.4 | 39 | -1.3 | 1.4 | 2.3 | 2.7 | 3.0 | ISO/IEC 15775:1999 Annex G | | | | | | | | | |
| | 3 | 52.4 | 52.6 | 41.1 | 38 | 49.4 | 55.6 | 45.1 | 39 | -3.0 | 3.0 | 4.0 | 5.0 | 5.9 | and DIN 33866-1:2000 Annex G | | | | | | | | | |
| | 4 | 55.5 | 48.8 | 38.2 | 38 | 51.6 | 52.3 | 41.3 | 38 | -3.8 | 3.5 | 3.1 | 4.7 | 6.1 | relative CIELAB data used for "out" | | | | | | | | | |
| | 5 | 58.6 | 45.1 | 35.3 | 38 | 53.2 | 49.9 | 39.4 | 38 | -5.2 | 4.8 | 4.2 | 6.4 | 8.3 | $\Delta L^* = 95.3 - 46.32$ | | | | | | | | | |
| | 6 | 61.6 | 41.3 | 32.3 | 38 | 56.0 | 45.6 | 37.5 | 39 | -5.5 | 4.3 | 5.2 | 6.7 | 8.8 | Regularity | | | | | | | | | |
| | 7 | 64.7 | 37.6 | 29.4 | 38 | 58.5 | 41.5 | 36.2 | 41 | -6.0 | 3.9 | 6.8 | 7.9 | 10.0 | $g^* = 41.7$ | | | | | | | | | |
| | 8 | 67.7 | 33.8 | 26.4 | 38 | 62.8 | 34.9 | 35.0 | 45 | -4.9 | 1.1 | 8.6 | 8.6 | 10.0 | | | | | | | | | | |
| | 9 | 70.8 | 30.1 | 23.5 | 38 | 66.3 | 28.5 | 33.0 | 49 | -4.4 | -1.4 | 9.5 | 9.6 | 10.6 | Lightness gamut relative to offset | | | | | | | | | |
| | 10 | 73.9 | 26.3 | 20.6 | 38 | 70.3 | 21.3 | 31.9 | 56 | -3.5 | -4.9 | 11.3 | 12.4 | 12.9 | $f^* = 63.3$ | | | | | | | | | |
| | 11 | 76.9 | 22.5 | 17.6 | 38 | 72.5 | 15.9 | 30.7 | 63 | -4.3 | -6.5 | 13.1 | 14.7 | 15.3 | | | | | | | | | | |
| | 12 | 80.0 | 18.8 | 14.7 | 38 | 75.9 | 10.2 | 28.2 | 70 | -4.0 | -8.5 | 13.5 | 16.0 | 16.5 | Orange red – White | | | | | | | | | |
| | 13 | 83.1 | 15.0 | 11.8 | 38 | 78.8 | 7.6 | 21.7 | 71 | -4.2 | -7.3 | 10.0 | 12.4 | 13.1 | cmy0: O – W | | | | | | | | | |
| | 14 | 86.1 | 11.3 | 8.8 | 38 | 81.9 | 5.3 | 16.2 | 72 | -4.2 | -5.9 | 7.4 | 9.5 | 10.4 | | | | | | | | | | |
| | 15 | 89.2 | 7.5 | 5.9 | 38 | 85.2 | 2.6 | 12.2 | 78 | -3.9 | -4.8 | 6.3 | 8.0 | 8.9 | Mean CIELAB difference (17 steps) | | | | | | | | | |
| | 16 | 92.2 | 3.8 | 2.9 | 38 | 88.3 | 2.8 | 5.5 | 63 | -3.8 | -0.9 | 2.6 | 2.7 | 4.8 | $\Delta H^{*CIELAB} = 7.5$ | | | | | | | | | |
| W | 17 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 8.5$ | | | | | | | | | |
| O | 18 | 46.3 | 60.1 | 47.0 | 38 | 46.3 | 60.1 | 47.0 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |
| | 19 | 58.6 | 45.1 | 35.3 | 38 | 53.2 | 49.9 | 39.4 | 38 | -5.2 | 4.8 | 4.2 | 6.4 | 8.3 | | | | | | | | | | |
| | 20 | 70.8 | 30.1 | 23.5 | 38 | 66.3 | 28.5 | 33.0 | 49 | -4.4 | -1.4 | 9.5 | 9.6 | 10.6 | Mean CIELAB difference (5 steps) | | | | | | | | | |
| | 21 | 83.1 | 15.0 | 11.8 | 38 | 78.8 | 7.6 | 21.7 | 71 | -4.2 | -7.3 | 10.0 | 12.4 | 13.1 | $\Delta H^{*CIELAB} = 5.7$ | | | | | | | | | |
| W | 22 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 6.4$ | | | | | | | | | |
| Mean colour reproduction index: | | | | | | | | | | | | | | | $R^*_{ab,m} = 63$ | | | | | | | | | |

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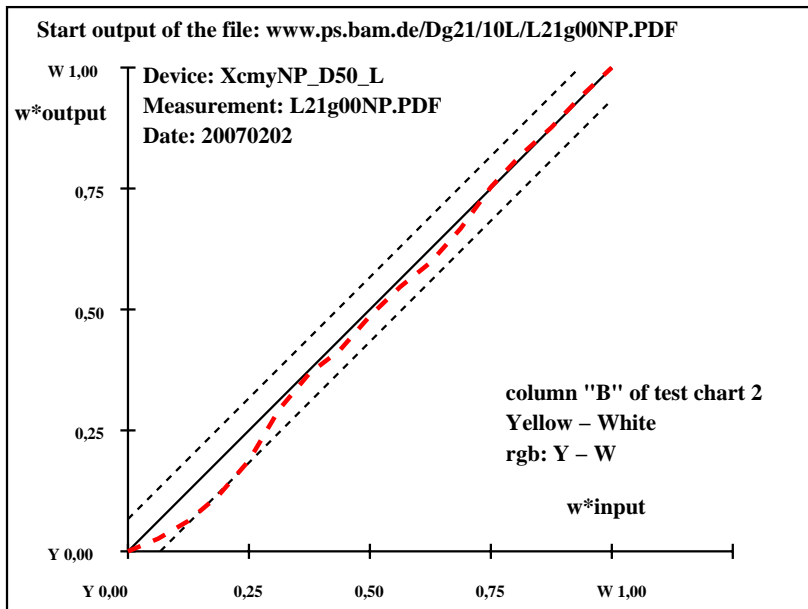


| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|-----|-------------------------------------|--|--|--|--|--|--|
| Y | 1 | 91.3 | -9.6 | 111.3 | 95 | 91.3 | -9.6 | 111.3 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | | |
| | 2 | 91.6 | -9.0 | 104.4 | 95 | 91.4 | -10.0 | 108.4 | 95 | -0.1 | -0.9 | 4.0 | 4.2 | 4.2 | ISO/IEC 15775:1999 Annex G | | | | | | |
| | 3 | 91.8 | -8.4 | 97.4 | 95 | 91.6 | -10.1 | 104.3 | 96 | -0.1 | -1.6 | 6.9 | 7.1 | 7.1 | and DIN 33866-1:2000 Annex G | | | | | | |
| | 4 | 92.1 | -7.8 | 90.5 | 95 | 91.6 | -10.3 | 98.4 | 96 | -0.4 | -2.4 | 7.9 | 8.3 | 8.3 | relative CIELAB data used for "out" | | | | | | |
| | 5 | 92.3 | -7.2 | 83.6 | 95 | 91.8 | -10.2 | 90.4 | 97 | -0.4 | -2.9 | 6.8 | 7.5 | 7.5 | $\Delta L^* = 95.37 - 91.3$ | | | | | | |
| | 6 | 92.6 | -6.6 | 76.6 | 95 | 92.3 | -9.9 | 78.6 | 97 | -0.2 | -3.2 | 2.0 | 3.9 | 3.9 | Regularity | | | | | | |
| | 7 | 92.8 | -6.0 | 69.7 | 95 | 92.4 | -9.4 | 70.3 | 98 | -0.3 | -3.3 | 0.6 | 3.5 | 3.5 | $g^* = 43.5$ | | | | | | |
| | 8 | 93.1 | -5.4 | 62.7 | 95 | 92.6 | -9.3 | 65.0 | 98 | -0.4 | -3.8 | 2.3 | 4.5 | 4.6 | | | | | | | |
| | 9 | 93.3 | -4.8 | 55.8 | 95 | 93.0 | -8.7 | 57.1 | 99 | -0.2 | -3.9 | 1.3 | 4.2 | 4.2 | Lightness gamut relative to offset | | | | | | |
| | 10 | 93.6 | -4.1 | 48.9 | 95 | 93.1 | -8.2 | 50.4 | 99 | -0.3 | -4.0 | 1.5 | 4.3 | 4.4 | $f^* = 5.3$ | | | | | | |
| | 11 | 93.8 | -3.5 | 41.9 | 95 | 93.4 | -7.7 | 44.8 | 100 | -0.4 | -4.1 | 2.9 | 5.1 | 5.1 | | | | | | | |
| | 12 | 94.1 | -2.9 | 35.0 | 95 | 93.8 | -6.9 | 37.0 | 101 | -0.2 | -3.9 | 2.0 | 4.4 | 4.5 | Yellow – White | | | | | | |
| | 13 | 94.4 | -2.3 | 28.1 | 95 | 94.1 | -5.5 | 27.5 | 102 | -0.1 | -3.1 | -0.5 | 3.2 | 3.2 | rgb: Y – W | | | | | | |
| | 14 | 94.6 | -1.7 | 21.1 | 95 | 94.4 | -4.2 | 20.1 | 102 | -0.1 | -2.4 | -0.9 | 2.7 | 2.7 | | | | | | | |
| | 15 | 94.9 | -1.1 | 14.2 | 95 | 94.8 | -3.0 | 13.9 | 103 | 0.0 | -1.8 | -0.2 | 1.9 | 1.9 | Mean CIELAB difference (17 steps) | | | | | | |
| | 16 | 95.1 | -0.5 | 7.2 | 95 | 95.1 | -1.5 | 6.7 | 103 | 0.0 | -0.9 | -0.4 | 1.1 | 1.1 | $\Delta H^*_{CIELAB} = 3.9$ | | | | | | |
| W | 17 | 95.4 | 0.0 | 0.3 | 90 | 95.4 | 0.0 | 0.3 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.9$ | | | | | | |
| Y | 18 | 91.3 | -9.6 | 111.3 | 95 | 91.3 | -9.6 | 111.3 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | 19 | 92.3 | -7.2 | 83.6 | 95 | 91.8 | -10.2 | 90.4 | 97 | -0.4 | -2.9 | 6.8 | 7.5 | 7.5 | | | | | | | |
| | 20 | 93.3 | -4.8 | 55.8 | 95 | 93.0 | -8.7 | 57.1 | 99 | -0.2 | -3.9 | 1.3 | 4.2 | 4.2 | Mean CIELAB difference (5 steps) | | | | | | |
| | 21 | 94.4 | -2.3 | 28.1 | 95 | 94.1 | -5.5 | 27.5 | 102 | -0.1 | -3.1 | -0.5 | 3.2 | 3.2 | $\Delta H^*_{CIELAB} = 3.0$ | | | | | | |
| W | 22 | 95.4 | 0.0 | 0.3 | 90 | 95.4 | 0.0 | 0.3 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.0$ | | | | | | |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 83$ | | | | | | | | | | | |

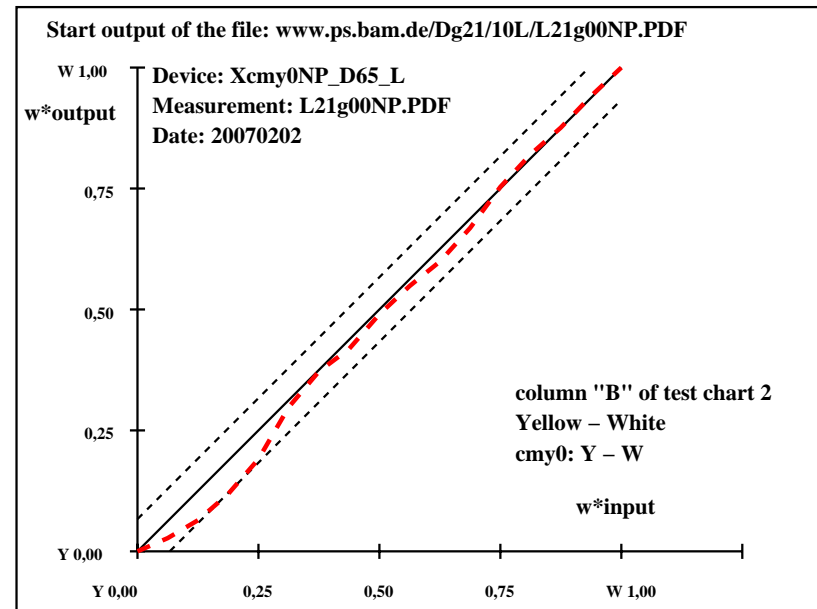
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|-----|-------------------------------------|--|--|--|--|--|--|--|--|
| Y | 1 | 90.7 | -16.8 | 112.8 | 99 | 90.7 | -16.8 | 112.8 | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | | | | |
| | 2 | 91.0 | -15.7 | 105.8 | 99 | 90.8 | -17.1 | 109.7 | 99 | -0.1 | -1.3 | 3.9 | 4.2 | 4.2 | ISO/IEC 15775:1999 Annex G | | | | | | | | |
| | 3 | 91.3 | -14.7 | 98.7 | 99 | 91.0 | -17.2 | 105.5 | 99 | -0.1 | -2.4 | 6.8 | 7.2 | 7.2 | and DIN 33866-1:2000 Annex G | | | | | | | | |
| | 4 | 91.6 | -13.6 | 91.7 | 99 | 91.0 | -17.3 | 99.3 | 100 | -0.5 | -3.6 | 7.6 | 8.4 | 8.5 | relative CIELAB data used for "out" | | | | | | | | |
| | 5 | 91.9 | -12.6 | 84.7 | 99 | 91.3 | -17.0 | 91.1 | 101 | -0.4 | -4.3 | 6.4 | 7.8 | 7.8 | $\Delta L^* = 95.43 - 90.68$ | | | | | | | | |
| | 6 | 92.2 | -11.5 | 77.6 | 99 | 91.8 | -16.2 | 78.9 | 102 | -0.3 | -4.6 | 1.3 | 4.8 | 4.9 | Regularity | | | | | | | | |
| | 7 | 92.5 | -10.5 | 70.6 | 99 | 92.0 | -15.4 | 70.5 | 102 | -0.4 | -4.8 | 0.0 | 4.9 | 5.0 | $g^* = 43.8$ | | | | | | | | |
| | 8 | 92.8 | -9.4 | 63.6 | 99 | 92.2 | -14.9 | 65.2 | 103 | -0.5 | -5.4 | 1.6 | 5.7 | 5.8 | | | | | | | | | |
| | 9 | 93.1 | -8.4 | 56.6 | 98 | 92.6 | -13.9 | 57.1 | 104 | -0.3 | -5.5 | 0.5 | 5.6 | 5.6 | Lightness gamut relative to offset | | | | | | | | |
| | 10 | 93.4 | -7.3 | 49.5 | 98 | 92.8 | -13.0 | 50.5 | 105 | -0.4 | -5.6 | 1.0 | 5.8 | 5.8 | $f^* = 6.1$ | | | | | | | | |
| | 11 | 93.6 | -6.2 | 42.5 | 98 | 93.1 | -12.1 | 44.8 | 105 | -0.5 | -5.8 | 2.3 | 6.3 | 6.3 | | | | | | | | | |
| | 12 | 93.9 | -5.2 | 35.5 | 98 | 93.6 | -10.6 | 37.0 | 106 | -0.3 | -5.3 | 1.5 | 5.6 | 5.6 | Yellow – White | | | | | | | | |
| | 13 | 94.2 | -4.1 | 28.4 | 98 | 94.0 | -8.4 | 27.5 | 107 | -0.2 | -4.2 | -0.8 | 4.4 | 4.4 | cmy0: Y – W | | | | | | | | |
| | 14 | 94.5 | -3.1 | 21.4 | 98 | 94.3 | -6.4 | 20.0 | 108 | -0.2 | -3.2 | -1.3 | 3.6 | 3.6 | | | | | | | | | |
| | 15 | 94.8 | -2.0 | 14.4 | 98 | 94.7 | -4.6 | 13.9 | 109 | 0.0 | -2.5 | -0.4 | 2.6 | 2.6 | Mean CIELAB difference (17 steps) | | | | | | | | |
| | 16 | 95.1 | -1.0 | 7.3 | 98 | 95.1 | -2.3 | 6.7 | 110 | 0.0 | -1.2 | -0.5 | 1.5 | 1.5 | $\Delta H^*_{CIELAB} = 4.6$ | | | | | | | | |
| W | 17 | 95.4 | 0.0 | 0.3 | 90 | 95.4 | 0.0 | 0.3 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 4.6$ | | | | | | | | |
| Y | 18 | 90.7 | -16.8 | 112.8 | 99 | 90.7 | -16.8 | 112.8 | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | |
| | 19 | 91.9 | -12.6 | 84.7 | 99 | 91.3 | -17.0 | 91.1 | 101 | -0.4 | -4.3 | 6.4 | 7.8 | 7.8 | | | | | | | | | |
| | 20 | 93.1 | -8.4 | 56.6 | 98 | 92.6 | -13.9 | 57.1 | 104 | -0.3 | -5.5 | 0.5 | 5.6 | 5.6 | Mean CIELAB difference (5 steps) | | | | | | | | |
| | 21 | 94.2 | -4.1 | 28.4 | 98 | 94.0 | -8.4 | 27.5 | 107 | -0.2 | -4.2 | -0.8 | 4.4 | 4.4 | $\Delta H^*_{CIELAB} = 3.6$ | | | | | | | | |
| W | 22 | 95.4 | 0.0 | 0.3 | 90 | 95.4 | 0.0 | 0.3 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.6$ | | | | | | | | |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 80$ | | | | | | | | | | | | | |

De191-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De19/10L/L19E02NA.PS/.TXT
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

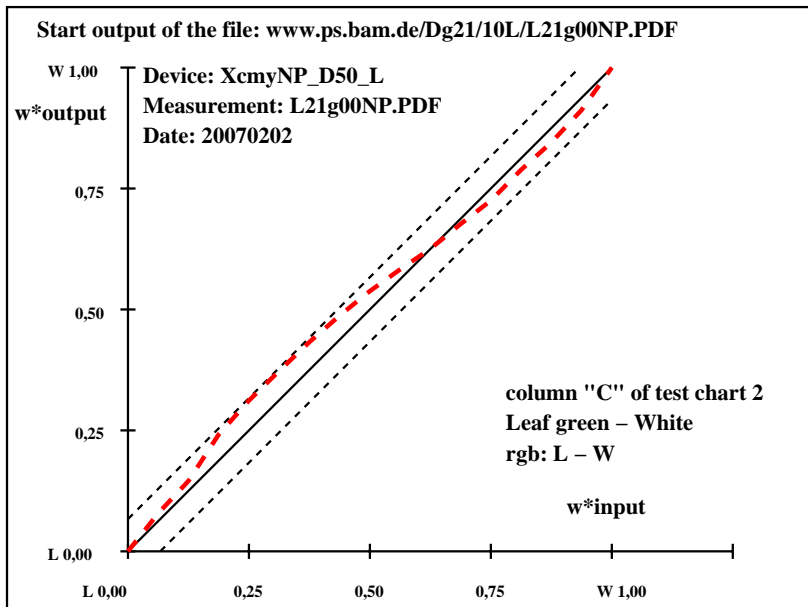
BAM registration: 20080301-De19/10L/L19E02NA.PS/.TXT BAM material: code=rh4ta
application for output of monitor, data projector, or printer systems

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|-----|-------------------------------------|
| L | 1 | 48.1 | -60.6 | 30.3 | 153 | 48.1 | -60.6 | 30.3 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 51.0 | -56.8 | 28.4 | 153 | 50.8 | -55.0 | 28.4 | 153 | -0.2 | 1.8 | 0.0 | 1.8 | 1.8 | ISO/IEC 15775:1999 Annex G |
| | 3 | 54.0 | -53.0 | 26.5 | 153 | 53.2 | -51.0 | 25.2 | 154 | -0.7 | 2.0 | -1.2 | 2.4 | 2.5 | and DIN 33866-1:2000 Annex G |
| | 4 | 56.9 | -49.2 | 24.6 | 153 | 54.7 | -45.6 | 18.9 | 158 | -2.2 | 3.6 | -5.6 | 6.8 | 7.1 | relative CIELAB data used for "out" |
| | 5 | 59.9 | -45.4 | 22.7 | 153 | 57.5 | -39.9 | 18.2 | 156 | -2.3 | 5.5 | -4.4 | 7.1 | 7.5 | $\Delta L^* = 95.31 - 48.06$ |
| | 6 | 62.8 | -41.6 | 20.8 | 153 | 59.5 | -35.7 | 16.2 | 156 | -3.2 | 5.9 | -4.5 | 7.5 | 8.2 | Regularity |
| | 7 | 65.8 | -37.8 | 18.9 | 153 | 61.5 | -30.6 | 16.2 | 152 | -4.2 | 7.2 | -2.6 | 7.7 | 8.8 | $g^* = 63.5$ |
| | 8 | 68.7 | -34.0 | 17.0 | 153 | 64.1 | -26.2 | 16.8 | 147 | -4.5 | 7.8 | -0.1 | 7.8 | 9.1 | |
| | 9 | 71.7 | -30.3 | 15.2 | 153 | 66.9 | -22.8 | 16.3 | 145 | -4.7 | 7.5 | 1.1 | 7.5 | 9.0 | Lightness gamut relative to offset |
| | 10 | 74.6 | -26.5 | 13.3 | 153 | 69.7 | -19.9 | 16.2 | 141 | -4.9 | 6.6 | 2.9 | 7.2 | 8.7 | $f^* = 61.0$ |
| | 11 | 77.6 | -22.7 | 11.4 | 153 | 72.8 | -17.1 | 17.4 | 135 | -4.7 | 5.6 | 6.0 | 8.2 | 9.5 | |
| | 12 | 80.5 | -18.9 | 9.5 | 153 | 76.0 | -15.2 | 13.4 | 139 | -4.4 | 3.7 | 3.9 | 5.4 | 7.0 | Leaf green – White |
| | 13 | 83.5 | -15.1 | 7.6 | 153 | 80.6 | -13.9 | 11.4 | 141 | -2.8 | 1.2 | 3.8 | 4.0 | 5.0 | rgb: L – W |
| | 14 | 86.5 | -11.3 | 5.7 | 153 | 84.1 | -10.8 | 8.5 | 142 | -2.3 | 0.5 | 2.8 | 2.9 | 3.7 | |
| | 15 | 89.4 | -7.5 | 3.8 | 153 | 87.3 | -8.0 | 6.3 | 142 | -2.0 | -0.4 | 2.5 | 2.6 | 3.3 | Mean CIELAB difference (17 steps) |
| | 16 | 92.4 | -3.7 | 1.9 | 153 | 90.0 | -4.8 | 1.8 | 160 | -2.2 | -1.0 | 0.0 | 1.1 | 2.6 | $\Delta H^{*CIELAB} = 4.7$ |
| W | 17 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 5.5$ |
| L | 18 | 48.1 | -60.6 | 30.3 | 153 | 48.1 | -60.6 | 30.3 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 59.9 | -45.4 | 22.7 | 153 | 57.5 | -39.9 | 18.2 | 156 | -2.3 | 5.5 | -4.4 | 7.1 | 7.5 | |
| | 20 | 71.7 | -30.3 | 15.2 | 153 | 66.9 | -22.8 | 16.3 | 145 | -4.7 | 7.5 | 1.1 | 7.5 | 9.0 | Mean CIELAB difference (5 steps) |
| | 21 | 83.5 | -15.1 | 7.6 | 153 | 80.6 | -13.9 | 11.4 | 141 | -2.8 | 1.2 | 3.8 | 4.0 | 5.0 | $\Delta H^{*CIELAB} = 3.7$ |
| W | 22 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 4.3$ |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 76$ | | | | | |

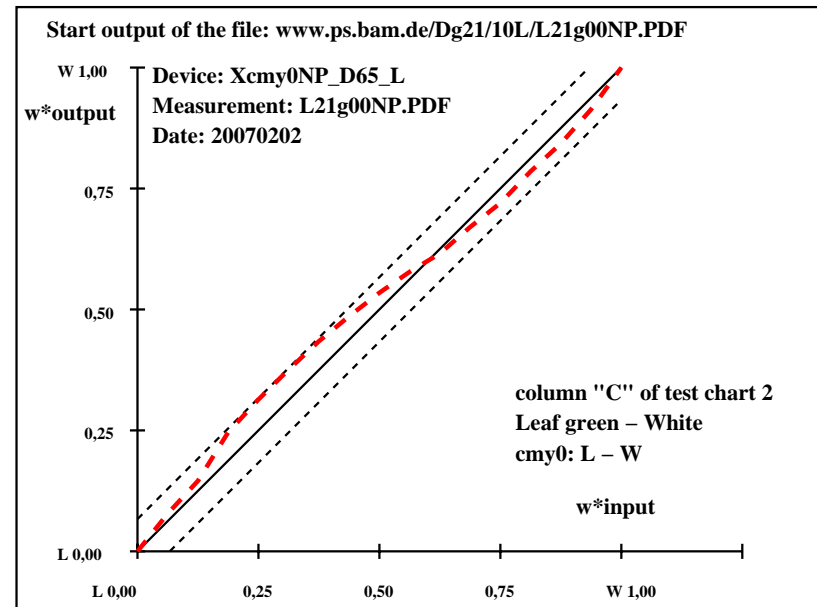
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|-----|-------------------------------------|
| L | 1 | 48.9 | -63.5 | 33.0 | 153 | 48.9 | -63.5 | 33.0 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 51.8 | -59.5 | 30.9 | 153 | 51.5 | -57.8 | 30.8 | 152 | -0.2 | 1.7 | 0.0 | 1.7 | 1.8 | ISO/IEC 15775:1999 Annex G |
| | 3 | 54.7 | -55.6 | 28.9 | 153 | 54.0 | -53.6 | 27.4 | 153 | -0.7 | 1.9 | -1.4 | 2.4 | 2.6 | and DIN 33866-1:2000 Annex G |
| | 4 | 57.6 | -51.6 | 26.8 | 153 | 55.4 | -47.5 | 21.0 | 156 | -2.1 | 4.1 | -5.7 | 7.1 | 7.4 | relative CIELAB data used for "out" |
| | 5 | 60.5 | -47.6 | 24.8 | 153 | 58.2 | -41.9 | 20.1 | 154 | -2.3 | 5.7 | -4.5 | 7.4 | 7.7 | $\Delta L^* = 95.38 - 48.9$ |
| | 6 | 63.4 | -43.6 | 22.7 | 153 | 60.1 | -37.5 | 17.9 | 155 | -3.2 | 6.1 | -4.7 | 7.8 | 8.4 | Regularity |
| | 7 | 66.3 | -39.7 | 20.6 | 153 | 62.0 | -32.4 | 17.6 | 152 | -4.2 | 7.3 | -2.9 | 7.9 | 9.0 | $g^* = 62.1$ |
| | 8 | 69.2 | -35.7 | 18.6 | 153 | 64.5 | -28.1 | 18.0 | 147 | -4.6 | 7.6 | -0.5 | 7.6 | 8.9 | |
| | 9 | 72.1 | -31.7 | 16.5 | 153 | 67.2 | -24.7 | 17.4 | 145 | -4.8 | 7.0 | 0.9 | 7.1 | 8.6 | Lightness gamut relative to offset |
| | 10 | 75.0 | -27.7 | 14.4 | 153 | 70.0 | -21.8 | 17.1 | 142 | -5.0 | 5.9 | 2.7 | 6.5 | 8.3 | $f^* = 60.1$ |
| | 11 | 78.0 | -23.7 | 12.4 | 153 | 73.1 | -19.2 | 18.2 | 137 | -4.8 | 4.5 | 5.8 | 7.4 | 8.9 | |
| | 12 | 80.9 | -19.8 | 10.3 | 153 | 76.3 | -16.9 | 14.1 | 140 | -4.5 | 2.9 | 3.8 | 4.8 | 6.6 | Leaf green – White |
| | 13 | 83.8 | -15.8 | 8.3 | 153 | 80.8 | -15.3 | 12.0 | 142 | -2.9 | 0.5 | 3.8 | 3.8 | 4.8 | cmy0: L – W |
| | 14 | 86.7 | -11.8 | 6.2 | 153 | 84.3 | -11.8 | 9.0 | 143 | -2.3 | 0.0 | 2.8 | 2.8 | 3.7 | |
| | 15 | 89.6 | -7.9 | 4.1 | 153 | 87.5 | -8.7 | 6.7 | 143 | -2.0 | -0.7 | 2.6 | 2.7 | 3.4 | Mean CIELAB difference (17 steps) |
| | 16 | 92.5 | -3.9 | 2.1 | 153 | 90.2 | -5.0 | 2.0 | 159 | -2.2 | -1.0 | 0.0 | 1.1 | 2.6 | $\Delta H^{*CIELAB} = 4.6$ |
| W | 17 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 5.5$ |
| L | 18 | 48.9 | -63.5 | 33.0 | 153 | 48.9 | -63.5 | 33.0 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 60.5 | -47.6 | 24.8 | 153 | 58.2 | -41.9 | 20.1 | 154 | -2.3 | 5.7 | -4.5 | 7.4 | 7.7 | |
| | 20 | 72.1 | -31.7 | 16.5 | 153 | 67.2 | -24.7 | 17.4 | 145 | -4.8 | 7.0 | 0.9 | 7.1 | 8.6 | Mean CIELAB difference (5 steps) |
| | 21 | 83.8 | -15.8 | 8.3 | 153 | 80.8 | -15.3 | 12.0 | 142 | -2.9 | 0.5 | 3.8 | 3.8 | 4.8 | $\Delta H^{*CIELAB} = 3.6$ |
| | W | 22 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 4.2$ |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 76$ | | | | | |

De191-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



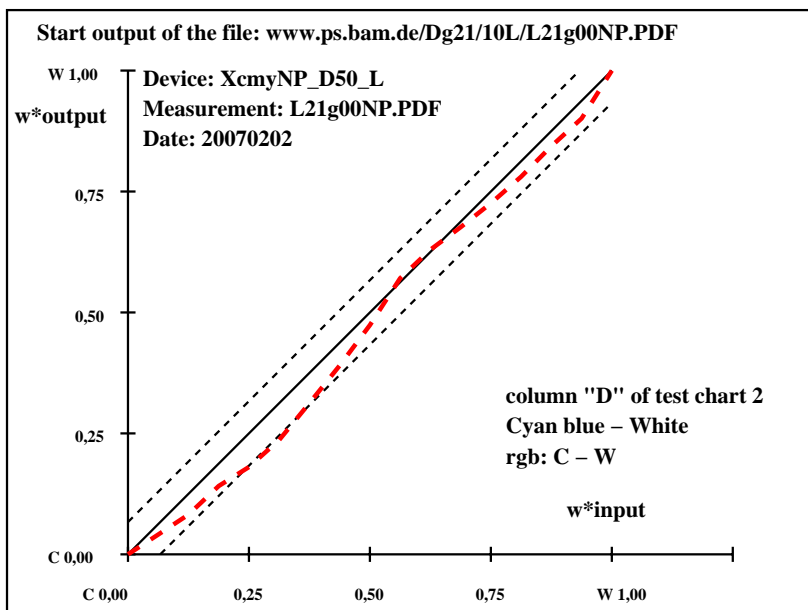
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

BAM registration: 20080301-De19/10/L19E03NA.PS.TXT BAM material: code=rha4ta
- application for output of monitor, data projector, or printer systems

| T | i | LAB*a _{ref} | hab _{ref} | LAB*a _{out} | hab _{out} | LAB*a _{out} /c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | |
|---------------------------------|----|----------------------|--------------------|----------------------|--------------------|-----------------------------|--------------|--------------|-----------------|------|------|------|-----|-----|-------------------------------------|
| C | 1 | 54.1 | -27.7 | -44.4 | 238 | 54.1 | -27.7 | -44.4 | 238 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 56.6 | -26.0 | -41.6 | 238 | 55.2 | -27.7 | -41.9 | 236 | -1.4 | -1.6 | -0.2 | 1.8 | 2.3 | ISO/IEC 15775:1999 Annex G |
| | 3 | 59.2 | -24.2 | -38.8 | 238 | 56.7 | -27.3 | -39.6 | 235 | -2.4 | -3.0 | -0.7 | 3.2 | 4.1 | and DIN 33866-1:2000 Annex G |
| | 4 | 61.8 | -22.5 | -36.1 | 238 | 58.7 | -27.2 | -36.2 | 233 | -3.0 | -4.6 | 0.0 | 4.7 | 5.7 | relative CIELAB data used for "out" |
| | 5 | 64.4 | -20.7 | -33.3 | 238 | 60.1 | -25.5 | -34.2 | 233 | -4.2 | -4.7 | -0.8 | 4.8 | 6.5 | $\Delta L^* = 95.35 - 54.05$ |
| | 6 | 67.0 | -19.0 | -30.5 | 238 | 62.1 | -23.2 | -31.6 | 234 | -4.7 | -4.1 | -1.0 | 4.3 | 6.5 | Regularity |
| | 7 | 69.5 | -17.3 | -27.7 | 238 | 64.9 | -20.7 | -28.0 | 233 | -4.5 | -3.3 | -0.2 | 3.4 | 5.8 | $g^* = 50.7$ |
| | 8 | 72.1 | -15.5 | -24.9 | 238 | 68.7 | -19.4 | -24.5 | 232 | -3.3 | -3.8 | 0.4 | 3.9 | 5.2 | |
| | 9 | 74.7 | -13.8 | -22.2 | 238 | 71.8 | -16.8 | -20.6 | 231 | -2.8 | -2.9 | 1.5 | 3.4 | 4.4 | Lightness gamut relative to offset |
| | 10 | 77.3 | -12.1 | -19.4 | 238 | 76.6 | -14.9 | -16.5 | 228 | -0.6 | -2.7 | 2.9 | 4.0 | 4.1 | $f^* = 53.4$ |
| | 11 | 79.9 | -10.3 | -16.6 | 238 | 79.6 | -12.4 | -14.7 | 230 | -0.2 | -2.0 | 1.9 | 2.8 | 2.8 | |
| | 12 | 82.4 | -8.6 | -13.8 | 238 | 81.4 | -10.6 | -12.8 | 230 | -0.9 | -1.9 | 1.0 | 2.3 | 2.5 | Cyan blue – White |
| | 13 | 85.0 | -6.9 | -11.0 | 238 | 83.5 | -8.5 | -11.0 | 232 | -1.5 | -1.5 | 0.0 | 1.7 | 2.3 | rgb: C – W |
| | 14 | 87.6 | -5.1 | -8.2 | 238 | 85.6 | -6.5 | -8.7 | 233 | -1.9 | -1.3 | -0.4 | 1.5 | 2.5 | |
| | 15 | 90.2 | -3.4 | -5.5 | 238 | 88.5 | -4.5 | -6.3 | 234 | -1.6 | -1.0 | -0.7 | 1.4 | 2.2 | Mean CIELAB difference (17 steps) |
| | 16 | 92.8 | -1.6 | -2.7 | 238 | 90.6 | -2.7 | -3.7 | 234 | -2.0 | -1.0 | -0.9 | 1.5 | 2.6 | $\Delta H^*_{CIELAB} = 2.6$ |
| W | 17 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.5$ |
| C | 18 | 54.1 | -27.7 | -44.4 | 238 | 54.1 | -27.7 | -44.4 | 238 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 64.4 | -20.7 | -33.3 | 238 | 60.1 | -25.5 | -34.2 | 233 | -4.2 | -4.7 | -0.8 | 4.8 | 6.5 | |
| | 20 | 74.7 | -13.8 | -22.2 | 238 | 71.8 | -16.8 | -20.6 | 231 | -2.8 | -2.9 | 1.5 | 3.4 | 4.4 | Mean CIELAB difference (5 steps) |
| | 21 | 85.0 | -6.9 | -11.0 | 238 | 83.5 | -8.5 | -11.0 | 232 | -1.5 | -1.5 | 0.0 | 1.7 | 2.3 | $\Delta H^*_{CIELAB} = 2.0$ |
| W | 22 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 2.6$ |
| Mean colour reproduction index: | | | | | | | | | | | | | | | $R^*_{ab,m} = 85$ |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

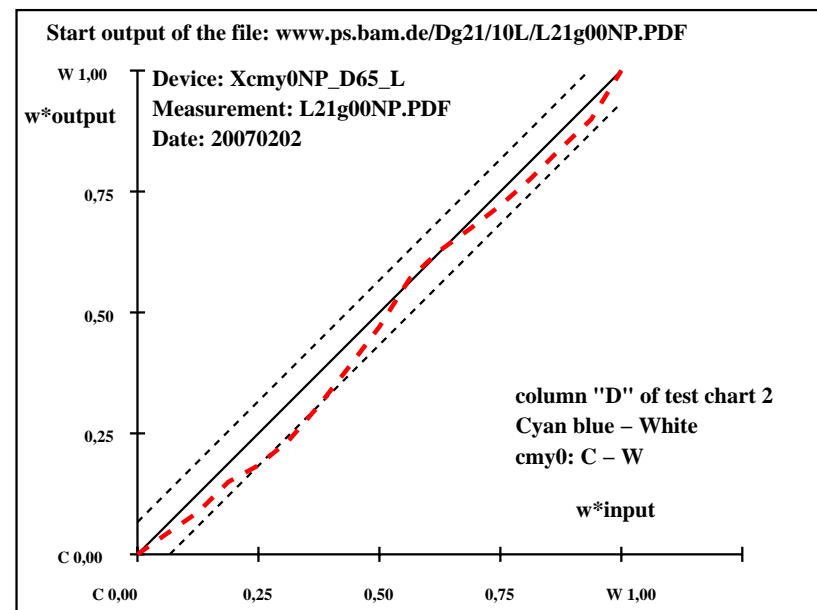


Del90-7N.; Device: XcmyNP_D50 L; Measurement: L2lg00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "D"; D50 and D65 illuminant, Page 4/24

| T | i | LAB*a _{ref} | hab.ref | LAB*a _{a,out} | hab.out | LAB*a _{a,out/c-ref} | ΔH^* | ΔE^* | Start output S1 | | |
|---------------------------------|----|----------------------|---------|------------------------|---------|------------------------------|--------------|--------------|-------------------|----------------------------|-------------------------------------|
| C | 1 | 55.7-19.4-41.4 | 245 | 55.7-19.4-41.4 | 245 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | |
| | 2 | 58.1-18.2-38.8 | 245 | 56.7-20.0-39.0 | 243 | -1.4 | -1.7 | -0.1 | 1.8 | 2.3 | ISO/IEC 15775:1999 Annex G |
| | 3 | 60.6-17.0-36.2 | 245 | 58.1-20.2-36.8 | 241 | -2.4 | -3.1 | -0.5 | 3.3 | 4.1 | and DIN 33866-1:2000 Annex G |
| | 4 | 63.1-15.7-33.6 | 245 | 60.0-20.9-33.6 | 238 | -3.0 | -5.1 | 0.0 | 5.2 | 6.0 | relative CIELAB data used for "out" |
| | 5 | 65.6-14.5-31.0 | 245 | 61.4-19.7-31.8 | 238 | -4.1 | -5.1 | -0.7 | 5.2 | 6.7 | $\Delta L^* = 95.41 - 55.66$ |
| | 6 | 68.1-13.3-28.4 | 245 | 63.3-18.1-29.4 | 238 | -4.7 | -4.7 | -0.9 | 4.9 | 6.8 | Regularity |
| | 7 | 70.6-12.1-25.8 | 245 | 65.9-16.4-26.1 | 238 | -4.5 | -4.2 | -0.2 | 4.3 | 6.3 | $g^* = 49.5$ |
| | 8 | 73.1-10.9-23.2 | 245 | 69.6-15.7-22.8 | 235 | -3.3 | -4.7 | 0.4 | 4.9 | 5.9 | |
| | 9 | 75.5-9.7-20.7 | 245 | 72.6-13.9-19.1 | 234 | -2.8 | -4.2 | 1.5 | 4.5 | 5.4 | Lightness gamut relative to offset |
| | 10 | 78.0-8.4-18.1 | 245 | 77.3-12.6-15.3 | 230 | -0.6 | -4.1 | 2.8 | 5.0 | 5.1 | $f^* = 51.4$ |
| | 11 | 80.5-7.2-15.5 | 245 | 80.2-10.5-13.6 | 232 | -0.2 | -3.2 | 1.9 | 3.8 | 3.8 | |
| | 12 | 83.0-6.0-12.9 | 245 | 81.9-9.0-11.9 | 233 | -1.0 | -2.9 | 1.0 | 3.2 | 3.3 | Cyan blue – White |
| | 13 | 85.5-4.8-10.3 | 245 | 83.9-7.1-10.3 | 235 | -1.5 | -2.2 | 0.0 | 2.3 | 2.8 | cmy0: C – W |
| | 14 | 88.0-3.6-7.7 | 245 | 85.9-5.4-8.1 | 236 | -1.9 | -1.7 | -0.3 | 1.9 | 2.8 | |
| | 15 | 90.4-2.3-5.1 | 245 | 88.7-3.7-6.0 | 238 | -1.6 | -1.3 | -0.8 | 1.6 | 2.4 | Mean CIELAB difference (17 steps) |
| | 16 | 92.9-1.1-2.5 | 245 | 90.8-2.2-3.4 | 237 | -2.0 | -1.0 | -0.8 | 1.4 | 2.5 | $\Delta H^*_{CIELAB} = 3.1$ |
| W | 17 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.9$ |
| C | 18 | 55.7-19.4-41.4 | 245 | 55.7-19.4-41.4 | 245 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 65.6-14.5-31.0 | 245 | 61.4-19.7-31.8 | 238 | -4.1 | -5.1 | -0.7 | 5.2 | 6.7 | |
| | 20 | 75.5-9.7-20.7 | 245 | 72.6-13.9-19.1 | 234 | -2.8 | -4.2 | 1.5 | 4.5 | 5.4 | Mean CIELAB difference (5 steps) |
| | 21 | 85.5-4.8-10.3 | 245 | 83.9-7.1-10.3 | 235 | -1.5 | -2.2 | 0.0 | 2.3 | 2.8 | $\Delta H^*_{CIELAB} = 2.4$ |
| W | 22 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.0$ |
| Mean colour reproduction index: | | | | | | | | | $R^*_{ab,m} = 83$ | | |

Del91-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



Del91-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *cmy0 setcmykcolor*
output: no change compared to input

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | |
|---|----|-----------|-----------|-----------|---------|-----------------|--------------|--------------|------|
| V | 1 | 25.0 | 14.6-35.8 | 292 | 25.0 | 14.6-35.8 | 292 | 0.0 | 0.0 |
| | 2 | 29.4 | 13.7-33.5 | 292 | 27.5 | 13.4-36.3 | 290 | -1.7 | -0.2 |
| | 3 | 33.8 | 12.8-31.3 | 292 | 30.6 | 12.5-36.7 | 289 | -3.1 | -0.2 |
| | 4 | 38.2 | 11.9-29.0 | 292 | 33.7 | 12.2-36.0 | 289 | -4.4 | 0.3 |
| | 5 | 42.6 | 11.0-26.8 | 292 | 36.7 | 12.8-34.7 | 290 | -5.8 | 1.8 |
| | 6 | 47.0 | 10.0-24.5 | 292 | 40.1 | 10.7-33.8 | 288 | -6.8 | 0.7 |
| | 7 | 51.4 | 9.1-22.3 | 292 | 44.4 | 11.3-31.6 | 290 | -6.8 | 2.2 |
| | 8 | 55.8 | 8.2-20.0 | 292 | 49.0 | 9.3-28.7 | 288 | -6.6 | 1.1 |
| | 9 | 60.2 | 7.3-17.8 | 292 | 53.5 | 8.9-24.9 | 290 | -6.6 | 1.6 |
| | 10 | 64.6 | 6.4-15.5 | 292 | 58.6 | 8.3-20.5 | 292 | -5.9 | 1.9 |
| | 11 | 69.0 | 5.5-13.2 | 292 | 62.9 | 7.5-17.1 | 294 | -6.0 | 2.0 |
| | 12 | 73.4 | 4.6-11.0 | 292 | 67.7 | 5.2-13.8 | 291 | -5.6 | 0.6 |
| | 13 | 77.8 | 3.6-8.7 | 292 | 71.9 | 4.2-11.9 | 289 | -5.8 | 0.6 |
| | 14 | 82.2 | 2.7-6.5 | 293 | 76.8 | 3.1-8.3 | 290 | -5.3 | 0.4 |
| | 15 | 86.6 | 1.8-4.2 | 293 | 82.3 | 1.6-5.7 | 285 | -4.2 | -0.1 |
| | 16 | 91.0 | 0.9-2.0 | 294 | 85.8 | 2.0-3.6 | 298 | -5.1 | 1.1 |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 | 90 |
| V | 18 | 25.0 | 14.6-35.8 | 292 | 25.0 | 14.6-35.8 | 292 | 0.0 | 0.0 |
| | 19 | 42.6 | 11.0-26.8 | 292 | 36.7 | 12.8-34.7 | 290 | -5.8 | 1.8 |
| | 20 | 60.2 | 7.3-17.8 | 292 | 53.5 | 8.9-24.9 | 290 | -6.6 | 1.6 |
| | 21 | 77.8 | 3.6-8.7 | 292 | 71.9 | 4.2-11.9 | 289 | -5.8 | 0.6 |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 | 90 |

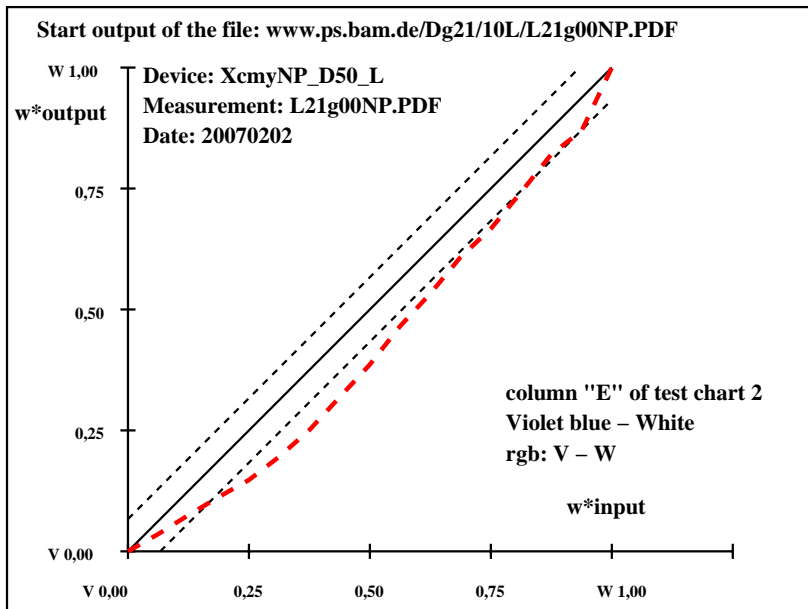
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.41 - 24.97$
Regularity
 $g^* = 49.7$
Lightness gamut relative to offset
 $f^* = 91.0$
Violet blue – White
rgb: V – W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 4.7$
 $\Delta E^*_{CIELAB} = 6.9$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 3.7$
 $\Delta E^*_{CIELAB} = 5.3$
Mean colour reproduction index: $R^*_{ab,m} = 70$

De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

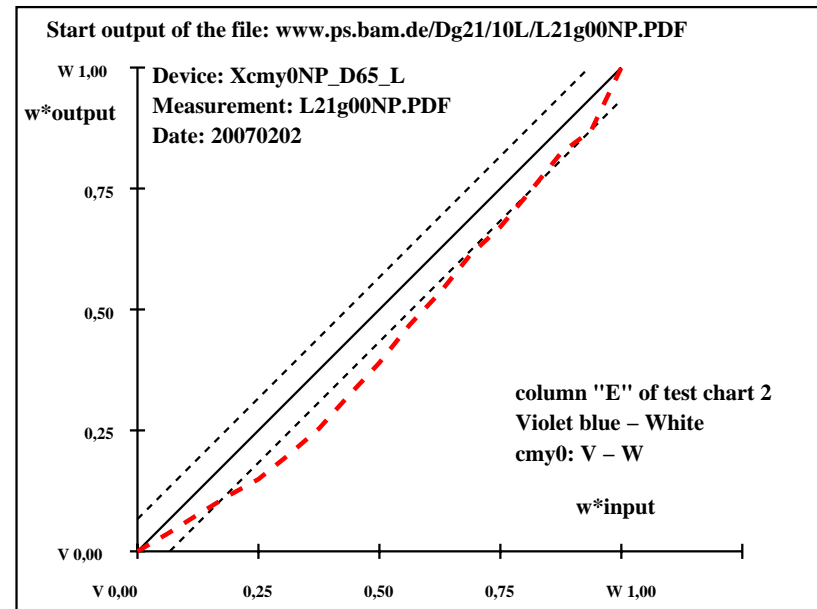
| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | |
|---|----|-----------|-----------|-----------|---------|-----------------|--------------|--------------|------|
| V | 1 | 25.6 | 21.1-35.5 | 301 | 25.6 | 21.1-35.5 | 301 | 0.0 | 0.0 |
| | 2 | 29.9 | 19.8-33.3 | 301 | 28.2 | 19.7-36.0 | 299 | -1.7 | 0.0 |
| | 3 | 34.3 | 18.5-31.0 | 301 | 31.2 | 18.6-36.2 | 297 | -3.0 | 0.1 |
| | 4 | 38.7 | 17.1-28.8 | 301 | 34.3 | 17.8-35.5 | 297 | -4.3 | 0.7 |
| | 5 | 43.1 | 15.8-26.5 | 301 | 37.2 | 17.9-34.4 | 297 | -5.7 | 2.1 |
| | 6 | 47.4 | 14.5-24.3 | 301 | 40.7 | 15.5-33.4 | 295 | -6.7 | 1.0 |
| | 7 | 51.8 | 13.2-22.1 | 301 | 45.0 | 15.4-31.3 | 296 | -6.7 | 2.2 |
| | 8 | 56.2 | 11.9-19.8 | 301 | 49.5 | 12.9-28.4 | 294 | -6.6 | 1.0 |
| | 9 | 60.5 | 10.6-17.6 | 301 | 53.9 | 11.8-24.7 | 295 | -6.5 | 1.3 |
| | 10 | 64.9 | 9.2-15.4 | 301 | 58.9 | 10.5-20.4 | 297 | -5.9 | 1.3 |
| | 11 | 69.3 | 7.9-13.1 | 301 | 63.2 | 9.3-17.1 | 298 | -6.0 | 1.4 |
| | 12 | 73.6 | 6.6-10.9 | 301 | 67.9 | 6.5-13.7 | 295 | -5.6 | 0.0 |
| | 13 | 78.0 | 5.3-8.7 | 301 | 72.1 | 5.3-11.8 | 294 | -5.8 | 0.0 |
| | 14 | 82.4 | 4.0-6.4 | 301 | 76.9 | 3.9-8.3 | 295 | -5.3 | 0.0 |
| | 15 | 86.7 | 2.6-4.2 | 302 | 82.5 | 2.2-5.7 | 291 | -4.2 | -0.3 |
| | 16 | 91.1 | 1.3-1.9 | 303 | 85.9 | 2.3-3.7 | 301 | -5.1 | 1.0 |
| W | 17 | 95.5 | 0.0 | 0.2 | 90 | 95.5 | 0.0 | 0.2 | 90 |
| V | 18 | 25.6 | 21.1-35.5 | 301 | 25.6 | 21.1-35.5 | 301 | 0.0 | 0.0 |
| | 19 | 43.1 | 15.8-26.5 | 301 | 37.2 | 17.9-34.4 | 297 | -5.7 | 2.1 |
| | 20 | 60.5 | 10.6-17.6 | 301 | 53.9 | 11.8-24.7 | 295 | -6.5 | 1.3 |
| | 21 | 78.0 | 5.3-8.7 | 301 | 72.1 | 5.3-11.8 | 294 | -5.8 | 0.0 |
| W | 22 | 95.5 | 0.0 | 0.2 | 90 | 95.5 | 0.0 | 0.2 | 90 |

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.48 - 25.58$
Regularity
 $g^* = 49.8$
Lightness gamut relative to offset
 $f^* = 90.3$
Violet blue – White
cmy0: V – W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 4.6$
 $\Delta E^*_{CIELAB} = 6.8$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 3.7$
 $\Delta E^*_{CIELAB} = 5.3$
Mean colour reproduction index: $R^*_{ab,m} = 70$

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De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



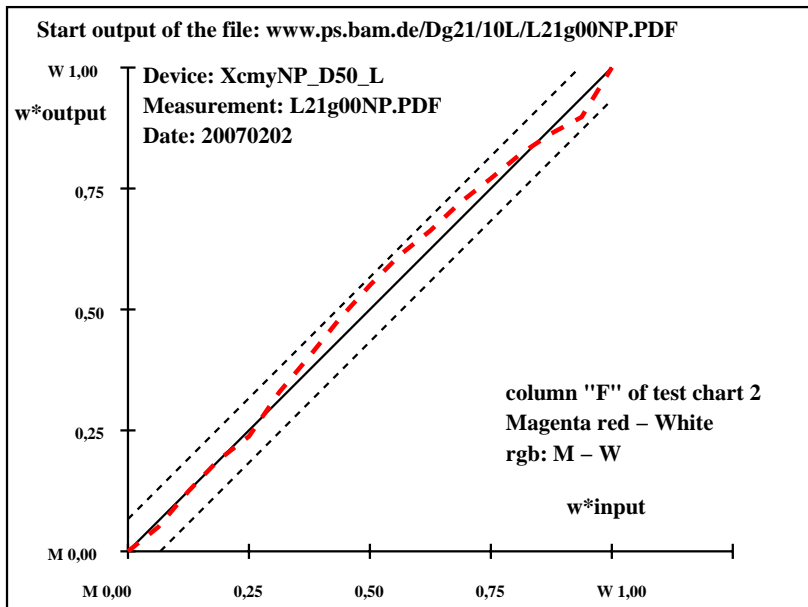
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|------|-----|-------------------|-------------------------------------|--|--|--|--|--|--|
| M | 1 | 48.3 | 62.9 | -1.6 | 358 | 48.3 | 62.9 | -1.6 | 358 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | | |
| | 2 | 51.2 | 59.0 | -1.5 | 358 | 49.9 | 59.4 | -2.5 | 357 | -1.3 | 0.4 | -0.9 | 1.1 | 1.8 | ISO/IEC 15775:1999 Annex G | | | | | | |
| | 3 | 54.2 | 55.0 | -1.4 | 358 | 52.4 | 54.1 | -2.8 | 357 | -1.7 | -0.8 | -1.3 | 1.7 | 2.5 | and DIN 33866-1:2000 Annex G | | | | | | |
| | 4 | 57.1 | 51.1 | -1.3 | 358 | 54.8 | 49.6 | -2.9 | 357 | -2.2 | -1.4 | -1.5 | 2.2 | 3.2 | relative CIELAB data used for "out" | | | | | | |
| | 5 | 60.1 | 47.2 | -1.2 | 358 | 56.7 | 46.3 | -3.3 | 356 | -3.3 | -0.8 | -2.0 | 2.3 | 4.1 | $\Delta L^* = 95.32 - 48.31$ | | | | | | |
| | 6 | 63.0 | 43.2 | -1.1 | 358 | 60.0 | 39.9 | -2.6 | 356 | -2.9 | -3.2 | -1.4 | 3.7 | 4.8 | Regularity | | | | | | |
| | 7 | 65.9 | 39.3 | -1.0 | 358 | 62.9 | 34.8 | -2.1 | 356 | -2.9 | -4.4 | -1.0 | 4.7 | 5.6 | $g^* = 58.5$ | | | | | | |
| | 8 | 68.9 | 35.4 | -0.9 | 358 | 66.1 | 29.6 | -1.1 | 358 | -2.7 | -5.7 | -0.1 | 5.8 | 6.4 | | | | | | | |
| | 9 | 71.8 | 31.5 | -0.8 | 358 | 69.5 | 25.3 | -0.4 | 359 | -2.2 | -6.1 | 0.4 | 6.2 | 6.6 | Lightness gamut relative to offset | | | | | | |
| | 10 | 74.8 | 27.5 | -0.6 | 358 | 72.3 | 21.2 | -0.3 | 359 | -2.3 | -6.2 | 0.3 | 6.3 | 6.8 | $f^* = 60.7$ | | | | | | |
| | 11 | 77.7 | 23.6 | -0.5 | 358 | 75.0 | 18.2 | 0.3 | 1 | -2.6 | -5.3 | 0.9 | 5.5 | 6.1 | | | | | | | |
| | 12 | 80.6 | 19.7 | -0.4 | 358 | 78.4 | 14.9 | 0.3 | 1 | -2.1 | -4.7 | 0.8 | 4.8 | 5.3 | Magenta red – White | | | | | | |
| | 13 | 83.6 | 15.7 | -0.3 | 358 | 81.0 | 12.0 | 0.2 | 1 | -2.4 | -3.6 | 0.6 | 3.8 | 4.6 | rgb: M – W | | | | | | |
| | 14 | 86.5 | 11.8 | -0.2 | 358 | 83.8 | 9.0 | 0.4 | 3 | -2.6 | -2.7 | 0.7 | 2.9 | 3.9 | | | | | | | |
| | 15 | 89.4 | 7.9 | -0.1 | 358 | 86.4 | 6.8 | 0.0 | 359 | -2.9 | -1.0 | 0.1 | 1.1 | 3.2 | Mean CIELAB difference (17 steps) | | | | | | |
| | 16 | 92.4 | 3.9 | 0.0 | 358 | 88.5 | 5.0 | 0.0 | 359 | -3.8 | 1.1 | 0.0 | 1.1 | 4.0 | $\Delta H^{*CIELAB} = 3.1$ | | | | | | |
| W | 17 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 4.0$ | | | | | | |
| M | 18 | 48.3 | 62.9 | -1.6 | 358 | 48.3 | 62.9 | -1.6 | 358 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| | 19 | 60.1 | 47.2 | -1.2 | 358 | 56.7 | 46.3 | -3.3 | 356 | -3.3 | -0.8 | -2.0 | 2.3 | 4.1 | | | | | | | |
| | 20 | 71.8 | 31.5 | -0.8 | 358 | 69.5 | 25.3 | -0.4 | 359 | -2.2 | -6.1 | 0.4 | 6.2 | 6.6 | Mean CIELAB difference (5 steps) | | | | | | |
| | 21 | 83.6 | 15.7 | -0.3 | 358 | 81.0 | 12.0 | 0.2 | 1 | -2.4 | -3.6 | 0.6 | 3.8 | 4.6 | $\Delta H^{*CIELAB} = 2.4$ | | | | | | |
| W | 22 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 3.0$ | | | | | | |
| Mean colour reproduction index: | | | | | | | | | | | | | | $R^*_{ab,m} = 82$ | | | | | | | |

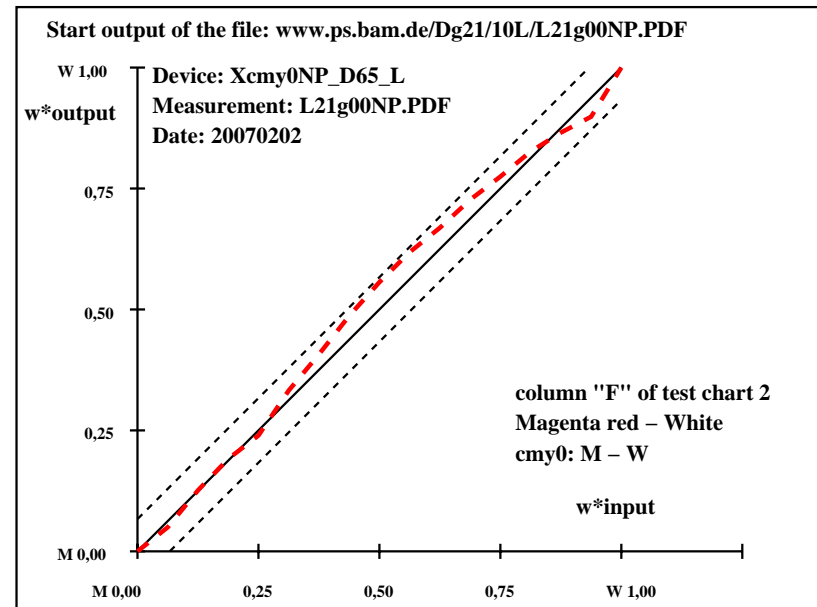
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| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|----------------------------|-------------------------------------|--|--|--|--|
| M | 1 | 46.9 | 62.6 | -5.2 | 355 | 46.9 | 62.6 | -5.2 | 355 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | |
| | 2 | 49.9 | 58.7 | -4.9 | 355 | 48.6 | 59.1 | -5.9 | 354 | -1.2 | 0.4 | -0.9 | 1.1 | 1.7 | ISO/IEC 15775:1999 Annex G | | | | |
| | 3 | 52.9 | 54.8 | -4.5 | 355 | 51.2 | 53.6 | -5.7 | 354 | -1.6 | -1.1 | -1.1 | 1.7 | 2.4 | and DIN 33866-1:2000 Annex G | | | | |
| | 4 | 56.0 | 50.9 | -4.2 | 355 | 53.8 | 49.1 | -5.6 | 353 | -2.1 | -1.7 | -1.3 | 2.2 | 3.1 | relative CIELAB data used for "out" | | | | |
| | 5 | 59.0 | 46.9 | -3.9 | 355 | 55.8 | 45.8 | -5.8 | 353 | -3.1 | -1.0 | -1.8 | 2.2 | 3.9 | $\Delta L^* = 95.39 - 46.88$ | | | | |
| | 6 | 62.0 | 43.0 | -3.5 | 355 | 59.2 | 39.3 | -4.7 | 353 | -2.7 | -3.6 | -1.1 | 3.9 | 4.8 | Regularity | | | | |
| | 7 | 65.1 | 39.1 | -3.2 | 355 | 62.3 | 34.2 | -3.9 | 353 | -2.7 | -4.8 | -0.6 | 5.0 | 5.7 | $g^* = 61.1$ | | | | |
| | 8 | 68.1 | 35.2 | -2.9 | 355 | 65.6 | 28.9 | -2.6 | 355 | -2.4 | -6.2 | 0.3 | 6.3 | 6.8 | | | | | |
| | 9 | 71.1 | 31.3 | -2.6 | 355 | 69.1 | 24.6 | -1.7 | 356 | -1.9 | -6.6 | 0.9 | 6.8 | 7.1 | Lightness gamut relative to offset | | | | |
| | 10 | 74.2 | 27.4 | -2.2 | 355 | 72.0 | 20.6 | -1.3 | 356 | -2.1 | -6.7 | 0.9 | 6.8 | 7.2 | $f^* = 62.7$ | | | | |
| | 11 | 77.2 | 23.5 | -1.9 | 355 | 74.7 | 17.6 | -0.5 | 358 | -2.4 | -5.8 | 1.4 | 6.0 | 6.6 | | | | | |
| | 12 | 80.2 | 19.6 | -1.6 | 355 | 78.2 | 14.4 | -0.2 | 359 | -2.0 | -5.1 | 1.4 | 5.3 | 5.7 | Magenta red – White | | | | |
| | 13 | 83.3 | 15.7 | -1.2 | 355 | 80.9 | 11.6 | -0.2 | 359 | -2.3 | -4.0 | 1.0 | 4.2 | 4.8 | cmy0: M – W | | | | |
| | 14 | 86.3 | 11.7 | -0.9 | 355 | 83.7 | 8.6 | 0.0 | 0 | -2.5 | -3.0 | 1.0 | 3.3 | 4.2 | | | | | |
| | 15 | 89.3 | 7.8 | -0.6 | 355 | 86.4 | 6.6 | -0.3 | 357 | -2.9 | -1.1 | 0.3 | 1.3 | 3.2 | Mean CIELAB difference (17 steps) | | | | |
| | 16 | 92.4 | 3.9 | -0.2 | 355 | 88.5 | 4.9 | -0.2 | 356 | -3.8 | 1.0 | 0.0 | 1.0 | 4.0 | $\Delta H^{*CIELAB} = 3.4$ | | | | |
| W | 17 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 4.2$ | | | | | |
| M | 18 | 46.9 | 62.6 | -5.2 | 355 | 46.9 | 62.6 | -5.2 | 355 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| | 19 | 59.0 | 46.9 | -3.9 | 355 | 55.8 | 45.8 | -5.8 | 353 | -3.1 | -1.0 | -1.8 | 2.2 | 3.9 | | | | | |
| | 20 | 71.1 | 31.3 | -2.6 | 355 | 69.1 | 24.6 | -1.7 | 356 | -1.9 | -6.6 | 0.9 | 6.8 | 7.1 | Mean CIELAB difference (5 steps) | | | | |
| | 21 | 83.3 | 15.7 | -1.2 | 355 | 80.9 | 11.6 | -0.2 | 359 | -2.3 | -4.0 | 1.0 | 4.2 | 4.8 | $\Delta H^{*CIELAB} = 2.6$ | | | | |
| W | 22 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 3.2$ | | | | | |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 82$ | | | | | | | | | |

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De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; <http://www.ps.bam.de/De19/L19E06NA.PS/.TXT>
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 26.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 2 | 31.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 3 | 35.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 4 | 39.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 5 | 43.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 6 | 48.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 7 | 52.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 8 | 56.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Z | 9 | 61.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 10 | 65.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 11 | 69.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12 | 73.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 13 | 78.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 14 | 82.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 15 | 86.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 16 | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 17 | 95.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| N | 18 | 26.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 19 | 43.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Z | 20 | 61.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 21 | 78.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 22 | 95.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

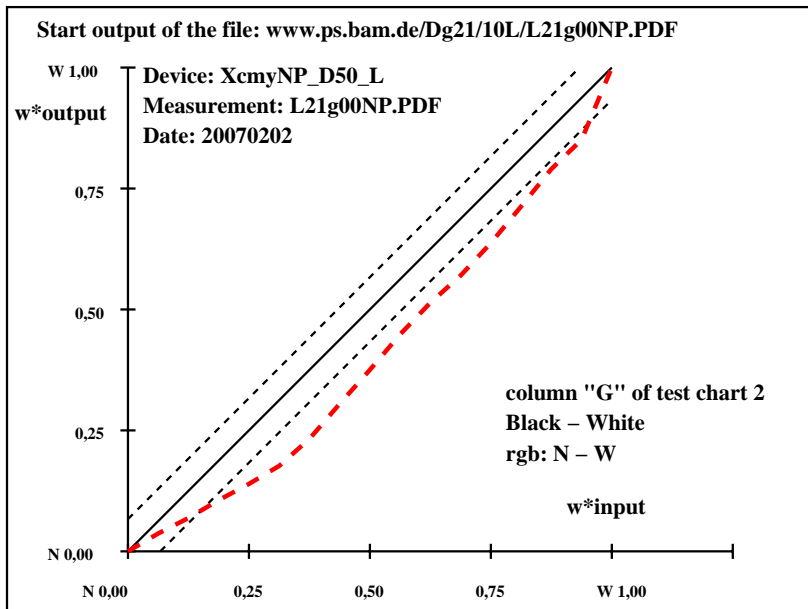
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.34 - 26.8$
Regularity
 $g^* = 36.7$
Lightness gamut relative to offset
 $f^* = 88.6$
Black - White
rgb: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 3.7$
 $\Delta E^*_{CIELAB} = 7.6$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 2.9$
 $\Delta E^*_{CIELAB} = 5.9$
Mean colour reproduction index: $R^*_{ab,m} = 67$

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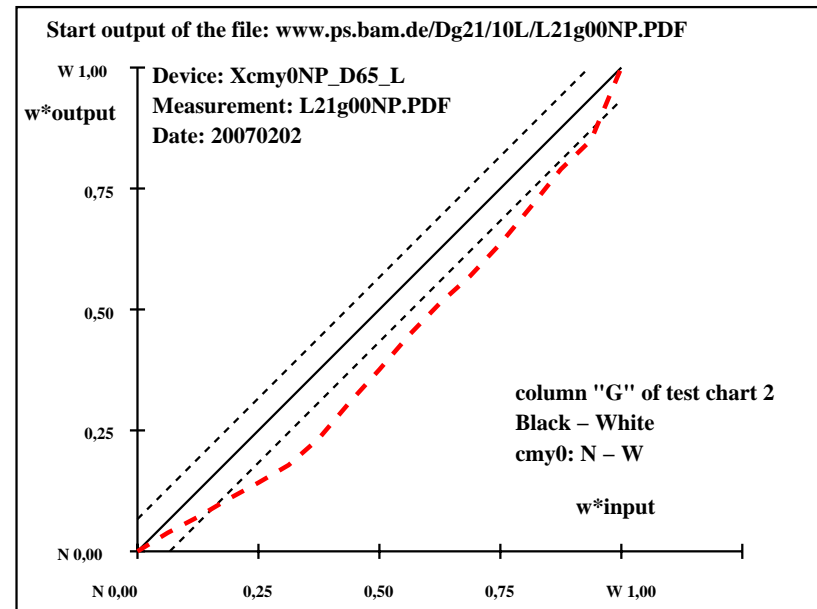
| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 26.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 2 | 31.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 3 | 35.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 4 | 39.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 5 | 44.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 6 | 48.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 7 | 52.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 8 | 56.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Z | 9 | 61.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 10 | 65.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 11 | 69.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 12 | 74.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 13 | 78.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 14 | 82.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 15 | 86.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 16 | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 17 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| N | 18 | 26.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 19 | 44.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Z | 20 | 61.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 21 | 78.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 22 | 95.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.41 - 26.94$
Regularity
 $g^* = 36.6$
Lightness gamut relative to offset
 $f^* = 88.5$
Black - White
cmy0: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 3.9$
 $\Delta E^*_{CIELAB} = 7.7$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 3.1$
 $\Delta E^*_{CIELAB} = 6.0$
Mean colour reproduction index: $R^*_{ab,m} = 66$

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De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



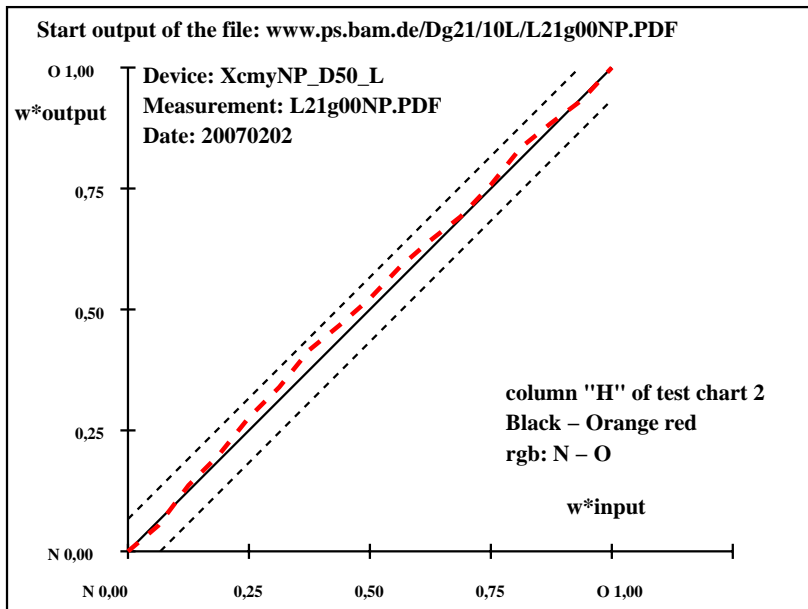
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | Specification according to | | | | | | | | | |
|----|------|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|-----|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|--|--|--|--|
| N | 1 | 27.9 | 2.3 | 1.0 | 23 | 27.9 | 2.3 | 1.0 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G | | | | | | | | | |
| 2 | 29.2 | 6.1 | 4.0 | 33 | 28.9 | 5.8 | 3.3 | 30 | -0.2 | -0.2 | -0.6 | 0.8 | 0.9 | 0.8 | 0.9 | 0.8 | 0.9 | 0.8 | and DIN 33866-1:2000 Annex G | | | | | | | | | |
| 3 | 30.5 | 10.0 | 7.1 | 35 | 30.2 | 12.1 | 5.5 | 24 | -0.2 | 2.1 | -1.5 | 2.6 | 2.7 | 2.6 | 2.7 | 2.6 | 2.7 | 2.6 | relative CIELAB data used for "out" | | | | | | | | | |
| 4 | 31.8 | 13.8 | 10.1 | 36 | 31.6 | 16.0 | 8.6 | 28 | -0.1 | 2.2 | -1.4 | 2.6 | 2.7 | 2.6 | 2.7 | 2.6 | 2.7 | 2.6 | $\Delta L^* = 48.58 - 27.92$ | | | | | | | | | |
| 5 | 33.1 | 17.7 | 13.1 | 37 | 32.7 | 21.1 | 12.2 | 30 | -0.3 | 3.5 | -0.8 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | Regularity | | | | | | | | | |
| 6 | 34.4 | 21.5 | 16.2 | 37 | 33.4 | 25.2 | 15.1 | 31 | -0.9 | 3.7 | -1.0 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | $g^* = 62.2$ | | | | | | | | | |
| 7 | 35.7 | 25.3 | 19.2 | 37 | 34.7 | 30.1 | 18.8 | 32 | -0.9 | 4.8 | -0.3 | 4.8 | 4.9 | 4.8 | 4.9 | 4.8 | 4.9 | 4.8 | Lightness gamut relative to offset | | | | | | | | | |
| 8 | 37.0 | 29.2 | 22.2 | 37 | 35.9 | 33.3 | 21.2 | 32 | -1.0 | 4.1 | -0.9 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | $f^* = 26.7$ | | | | | | | | | |
| 9 | 38.3 | 33.0 | 25.3 | 37 | 37.4 | 36.9 | 23.4 | 32 | -0.8 | 3.9 | -1.8 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | Black – Orange red | | | | | | | | | |
| 10 | 39.5 | 36.8 | 28.3 | 38 | 38.5 | 40.7 | 27.1 | 34 | -1.0 | 3.9 | -1.1 | 4.0 | 4.2 | 4.0 | 4.2 | 4.0 | 4.2 | 4.0 | rgb: N – O | | | | | | | | | |
| 11 | 40.8 | 40.7 | 31.3 | 38 | 39.5 | 44.1 | 29.7 | 34 | -1.2 | 3.4 | -1.5 | 3.8 | 4.0 | 3.8 | 4.0 | 3.8 | 4.0 | 3.8 | Mean CIELAB difference (17 steps) | | | | | | | | | |
| 12 | 42.1 | 44.5 | 34.3 | 38 | 40.2 | 46.8 | 32.7 | 35 | -1.9 | 2.3 | -1.5 | 2.8 | 3.4 | 2.8 | 3.4 | 2.8 | 3.4 | 2.8 | $\Delta H^{*CIELAB} = 2.7$ | | | | | | | | | |
| 13 | 43.4 | 48.4 | 37.4 | 38 | 41.7 | 50.5 | 36.3 | 36 | -1.6 | 2.1 | -1.0 | 2.4 | 3.0 | 2.4 | 3.0 | 2.4 | 3.0 | 2.4 | $\Delta E^{*CIELAB} = 2.9$ | | | | | | | | | |
| 14 | 44.7 | 52.2 | 40.4 | 38 | 43.7 | 54.9 | 40.4 | 36 | -0.9 | 2.7 | 0.0 | 2.7 | 2.9 | 2.7 | 2.9 | 2.7 | 2.9 | 2.7 | Mean CIELAB difference (5 steps) | | | | | | | | | |
| 15 | 46.0 | 56.0 | 43.4 | 38 | 45.1 | 58.0 | 42.7 | 36 | -0.8 | 2.0 | -0.6 | 2.1 | 2.3 | 2.1 | 2.3 | 2.1 | 2.3 | 2.1 | $\Delta H^{*CIELAB} = 2.1$ | | | | | | | | | |
| 16 | 47.3 | 59.9 | 46.5 | 38 | 46.2 | 60.5 | 45.4 | 37 | -1.0 | 0.6 | -1.0 | 1.2 | 1.7 | 1.2 | 1.7 | 1.2 | 1.7 | 1.2 | $\Delta E^{*CIELAB} = 2.2$ | | | | | | | | | |
| O | 17 | 48.6 | 63.7 | 49.5 | 38 | 48.6 | 63.7 | 49.5 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 87$ | | | | | | | | | |
| N | 18 | 27.9 | 2.3 | 1.0 | 23 | 27.9 | 2.3 | 1.0 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |
| 19 | 33.1 | 17.7 | 13.1 | 37 | 32.7 | 21.1 | 12.2 | 30 | -0.3 | 3.5 | -0.8 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | | | | | | | | | | |
| 20 | 38.3 | 33.0 | 25.3 | 37 | 37.4 | 36.9 | 23.4 | 32 | -0.8 | 3.9 | -1.8 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | 4.4 | 4.3 | | | | | | | | | | |
| 21 | 43.4 | 48.4 | 37.4 | 38 | 41.7 | 50.5 | 36.3 | 36 | -1.6 | 2.1 | -1.0 | 2.4 | 3.0 | 2.4 | 3.0 | 2.4 | 3.0 | 2.4 | | | | | | | | | | |
| O | 22 | 48.6 | 63.7 | 49.5 | 38 | 48.6 | 63.7 | 49.5 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |

De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | Specification according to | | | | | | | | | |
|----|------|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|-----|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|--|--|--|--|
| N | 1 | 28.0 | 2.1 | 0.8 | 21 | 28.0 | 2.1 | 0.8 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G | | | | | | | | | |
| 2 | 29.2 | 5.7 | 3.6 | 32 | 28.9 | 5.1 | 3.0 | 30 | -0.2 | -0.5 | -0.5 | 0.9 | 0.9 | 0.8 | 0.9 | 0.8 | 0.9 | 0.8 | and DIN 33866-1:2000 Annex G | | | | | | | | | |
| 3 | 30.3 | 9.3 | 6.5 | 35 | 30.0 | 11.0 | 4.8 | 24 | -0.2 | 1.7 | -1.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | relative CIELAB data used for "out" | | | | | | | | | |
| 4 | 31.5 | 12.9 | 9.3 | 36 | 31.3 | 14.6 | 7.8 | 28 | -0.1 | 1.7 | -1.4 | 2.2 | 2.3 | 2.2 | 2.3 | 2.2 | 2.3 | 2.2 | $\Delta L^* = 46.67 - 27.99$ | | | | | | | | | |
| 5 | 32.7 | 16.5 | 12.1 | 36 | 32.2 | 19.3 | 11.1 | 30 | -0.4 | 2.8 | -0.9 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | Regularity | | | | | | | | | |
| 6 | 33.8 | 20.1 | 15.0 | 37 | 32.8 | 23.1 | 13.8 | 31 | -0.9 | 3.0 | -1.1 | 3.2 | 3.4 | 3.2 | 3.4 | 3.2 | 3.4 | 3.2 | $g^* = 59.4$ | | | | | | | | | |
| 7 | 35.0 | 23.7 | 17.8 | 37 | 33.9 | 27.8 | 17.2 | 32 | -1.0 | 4.1 | -0.5 | 4.1 | 4.2 | 4.1 | 4.2 | 4.1 | 4.2 | 4.1 | Lightness gamut relative to offset | | | | | | | | | |
| 8 | 36.2 | 27.3 | 20.6 | 37 | 35.0 | 30.8 | 19.3 | 32 | -1.1 | 3.5 | -1.2 | 3.7 | 3.9 | 3.7 | 3.9 | 3.7 | 3.9 | 3.7 | $f^* = 24.1$ | | | | | | | | | |
| 9 | 37.3 | 31.0 | 23.4 | 37 | 36.4 | 34.3 | 21.4 | 32 | -0.8 | 3.3 | -1.9 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | Black – Orange red | | | | | | | | | |
| 10 | 38.5 | 34.6 | 26.3 | 37 | 37.3 | 37.8 | 24.9 | 33 | -1.1 | 3.2 | -1.3 | 3.5 | 3.7 | 3.5 | 3.7 | 3.5 | 3.7 | 3.5 | cmy0: N – O | | | | | | | | | |
| 11 | 39.7 | 38.2 | 29.1 | 37 | 38.3 | 41.1 | 27.3 | 34 | -1.3 | 2.9 | -1.7 | 3.5 | 3.7 | 3.5 | 3.7 | 3.5 | 3.7 | 3.5 | Mean CIELAB difference (17 steps) | | | | | | | | | |
| 12 | 40.8 | 41.8 | 31.9 | 37 | 38.8 | 43.7 | 30.1 | 35 | -1.9 | 1.9 | -1.7 | 2.7 | 3.3 | 2.7 | 3.3 | 2.7 | 3.3 | 2.7 | $\Delta H^{*CIELAB} = 2.4$ | | | | | | | | | |
| 13 | 42.0 | 45.4 | 34.8 | 37 | 40.2 | 47.2 | 33.6 | 35 | -1.7 | 1.8 | -1.1 | 2.2 | 2.8 | 2.2 | 2.8 | 2.2 | 2.8 | 2.2 | $\Delta E^{*CIELAB} = 2.6$ | | | | | | | | | |
| 14 | 43.2 | 49.0 | 37.6 | 38 | 42.1 | 51.4 | 37.4 | 36 | -1.0 | 2.4 | -0.1 | 2.4 | 2.7 | 2.4 | 2.7 | 2.4 | 2.7 | 2.4 | Mean CIELAB difference (5 steps) | | | | | | | | | |
| 15 | 44.3 | 52.6 | 40.4 | 38 | 43.4 | 54.5 | 39.6 | 36 | -0.9 | 1.9 | -0.7 | 2.1 | 2.3 | 2.1 | 2.3 | 2.1 | 2.3 | 2.1 | $\Delta H^{*CIELAB} = 1.8$ | | | | | | | | | |
| 16 | 45.5 | 56.2 | 43.3 | 38 | 44.4 | 56.9 | 42.2 | 37 | -1.0 | 0.7 | -1.0 | 1.3 | 1.7 | 1.3 | 1.7 | 1.3 | 1.7 | 1.3 | $\Delta E^{*CIELAB} = 2.0$ | | | | | | | | | |
| O | 17 | 46.7 | 59.8 | 46.1 | 38 | 46.7 | 59.8 | 46.1 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 89$ | | | | | | | | | |
| N | 18 | 28.0 | 2.1 | 0.8 | 21 | 28.0 | 2.1 | 0.8 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |
| 19 | 32.7 | 16.5 | 12.1 | 36 | 32.2 | 19.3 | 11.1 | 30 | -0.4 | 2.8 | -0.9 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | | | | | | | | | |
| 20 | 37.3 | 31.0 | 23.4 | 37 | 36.4 | 34.3 | 21.4 | 32 | -0.8 | 3.3 | -1.9 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | 4.0 | 3.9 | | | | | | | | | | |
| 21 | 42.0 | 45.4 | 34.8 | 37 | 40.2 | 47.2 | 33.6 | 35 | -1.7 | 1.8 | -1.1 | 2.2 | 2.8 | 2.2 | 2.8 | 2.2 | 2.8 | 2.2 | | | | | | | | | | |
| O | 22 | 46.7 | 59.8 | 46.1 | 38 | 46.7 | 59.8 | 46.1 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |

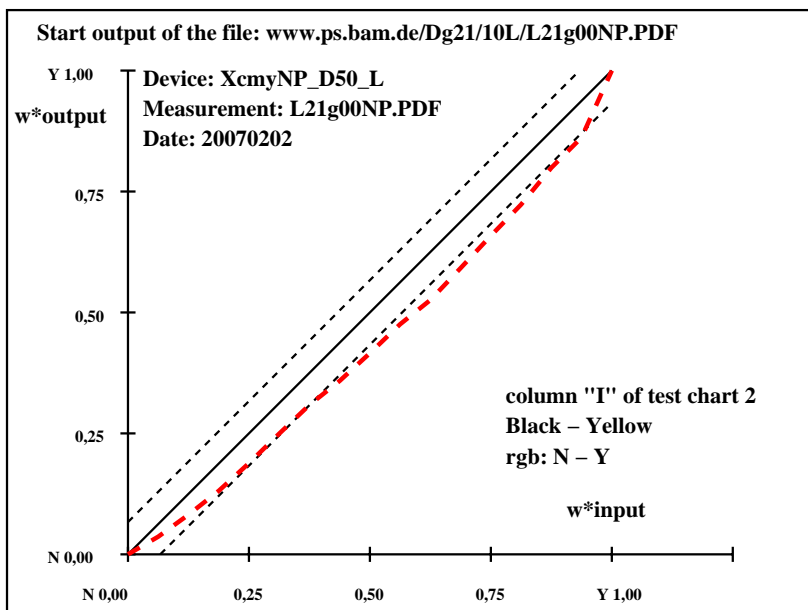
De191-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-refΔH* ΔE* | Start output S1 | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|------------------------|-----------------|-------|----|------|------|------|-----|------|-------------------------------------|
| N | 1 | 28.3 | 4.2 | 1.6 | 21 | 28.3 | 4.2 | 1.6 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 32.2 | 3.3 | 8.4 | 68 | 30.6 | 2.3 | 5.1 | 66 | -1.5 | -0.9 | -3.2 | 3.5 | 3.8 | ISO/IEC 15775:1999 Annex G |
| | 3 | 36.1 | 2.4 | 15.2 | 81 | 33.3 | 0.0 | 9.6 | 91 | -2.7 | -2.4 | -5.5 | 6.2 | 6.8 | and DIN 33866-1:2000 Annex G |
| | 4 | 40.1 | 1.6 | 22.1 | 86 | 36.3 | -1.4 | 15.0 | 96 | -3.7 | -3.0 | -7.0 | 7.7 | 8.6 | relative CIELAB data used for "out" |
| | 5 | 44.0 | 0.7 | 28.9 | 89 | 38.8 | -1.3 | 22.3 | 94 | -5.1 | -2.0 | -6.5 | 6.9 | 8.7 | ΔL* = 91.4 – 28.25 |
| | 6 | 48.0 | -0.1 | 35.7 | 90 | 41.5 | -3.3 | 29.3 | 97 | -6.4 | -3.1 | -6.3 | 7.1 | 9.7 | Regularity |
| | 7 | 51.9 | -1.0 | 42.5 | 91 | 44.3 | -2.3 | 36.7 | 94 | -7.5 | -1.2 | -5.7 | 6.0 | 9.7 | g* = 43.6 |
| | 8 | 55.9 | -1.9 | 49.3 | 92 | 47.9 | -2.8 | 42.0 | 94 | -7.9 | -0.8 | -7.2 | 7.4 | 10.9 | |
| | 9 | 59.8 | -2.8 | 56.2 | 93 | 51.5 | -2.8 | 48.4 | 93 | -8.2 | 0.0 | -7.6 | 7.8 | 11.4 | Lightness gamut relative to offset |
| | 10 | 63.8 | -3.6 | 63.0 | 93 | 55.5 | -2.7 | 55.0 | 93 | -8.2 | 0.9 | -7.9 | 8.0 | 11.6 | f* = 81.6 |
| | 11 | 67.7 | -4.5 | 69.8 | 94 | 58.8 | -2.5 | 60.5 | 92 | -8.8 | 2.0 | -9.2 | 9.5 | 13.0 | |
| | 12 | 71.7 | -5.4 | 76.6 | 94 | 63.0 | -3.9 | 67.6 | 93 | -8.5 | 1.5 | -8.9 | 9.1 | 12.6 | Black – Yellow |
| | 13 | 75.6 | -6.3 | 83.4 | 94 | 67.2 | -4.3 | 75.0 | 93 | -8.3 | 2.0 | -8.3 | 8.7 | 12.1 | rgb: N – Y |
| | 14 | 79.6 | -7.2 | 90.2 | 95 | 71.8 | -5.1 | 81.8 | 94 | -7.7 | 2.1 | -8.3 | 8.7 | 11.7 | |
| | 15 | 83.5 | -8.0 | 97.1 | 95 | 77.1 | -6.9 | 89.7 | 94 | -6.3 | 1.1 | -7.3 | 7.4 | 9.8 | Mean CIELAB difference (17 steps) |
| | 16 | 87.5 | -8.9 | 103.9 | 95 | 81.6 | -6.5 | 96.4 | 94 | -5.8 | 2.4 | -7.4 | 7.9 | 9.8 | ΔH*CIELAB = 6.6 |
| Y | 17 | 91.4 | -9.8 | 110.7 | 95 | 91.4 | -9.8 | 110.7 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE*CIELAB = 8.8 |
| N | 18 | 28.3 | 4.2 | 1.6 | 21 | 28.3 | 4.2 | 1.6 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 44.0 | 0.7 | 28.9 | 89 | 38.8 | -1.3 | 22.3 | 94 | -5.1 | -2.0 | -6.5 | 6.9 | 8.7 | |
| | 20 | 59.8 | -2.8 | 56.2 | 93 | 51.5 | -2.8 | 48.4 | 93 | -8.2 | 0.0 | -7.6 | 7.8 | 11.4 | Mean CIELAB difference (5 steps) |
| | 21 | 75.6 | -6.3 | 83.4 | 94 | 67.2 | -4.3 | 75.0 | 93 | -8.3 | 2.0 | -8.3 | 8.7 | 12.1 | ΔH*CIELAB = 4.7 |
| Y | 22 | 91.4 | -9.8 | 110.7 | 95 | 91.4 | -9.8 | 110.7 | 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE*CIELAB = 6.4 |
| Mean colour reproduction index: | | | | | | | | | | | | | | | |
| R* _{ab,m} = 62 | | | | | | | | | | | | | | | |

De|90-3N.: Device: XcmvNP D50 L: Measurement: L2|g00NP.PDF: Date: 20070202

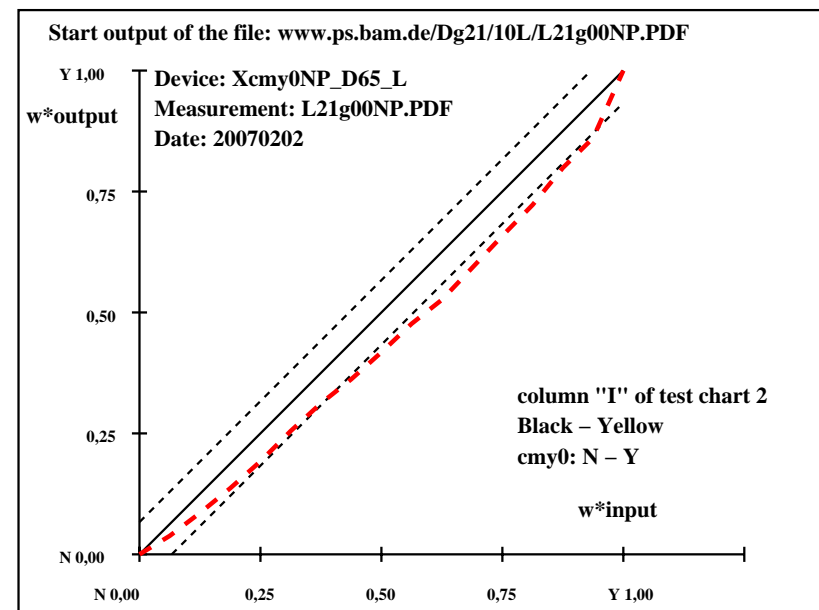


Del90-7N.; Device: XcmyNP_D50 L; Measurement: L2lg00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "I"; D50 and D65 illuminant, Page 9/24

| T | i | LAB*a,ref | | hab,ref | LAB*a,out | | hab,out | LAB*a,out/c-ref ΔE* ΔE* | | | | Start output S1 | | | | | | |
|---------------------------------|----|-----------|-------|---------|-----------|------|---------|-------------------------|-----|-------------------------|------|-----------------|-----|------|-------------------------------------|--|--|--|
| N | 1 | 28.3 | 3.9 | 1.3 | 18 | 28.3 | 3.9 | 1.3 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | |
| | 2 | 32.2 | 2.6 | 8.2 | 73 | 30.6 | 1.5 | 4.9 | 73 | -1.4 | -1.0 | -3.2 | 3.5 | 3.8 | ISO/IEC 15775:1999 Annex G | | | |
| | 3 | 36.1 | 1.3 | 15.2 | 85 | 33.3 | -1.4 | 9.5 | 99 | -2.7 | -2.7 | -5.6 | 6.3 | 6.9 | and DIN 33866-1:2000 Annex G | | | |
| | 4 | 40.0 | 0.0 | 22.1 | 90 | 36.3 | -3.5 | 15.1 | 103 | -3.6 | -3.5 | -6.9 | 7.8 | 8.7 | relative CIELAB data used for "out" | | | |
| | 5 | 43.9 | -1.2 | 29.0 | 93 | 38.7 | -4.1 | 22.3 | 101 | -5.1 | -2.8 | -6.6 | 7.3 | 9.0 | ΔL* = 90.8 – 28.27 | | | |
| | 6 | 47.8 | -2.6 | 36.0 | 94 | 41.4 | -6.7 | 29.5 | 103 | -6.3 | -4.0 | -6.4 | 7.7 | 10.0 | Regularity | | | |
| | 7 | 51.7 | -3.9 | 42.9 | 95 | 44.1 | -6.2 | 36.9 | 100 | -7.5 | -2.2 | -5.9 | 6.4 | 9.9 | g* = 43.4 | | | |
| | 8 | 55.6 | -5.2 | 49.8 | 96 | 47.7 | -7.1 | 42.3 | 100 | -7.9 | -1.8 | -7.4 | 7.8 | 11.1 | | | | |
| | 9 | 59.5 | -6.5 | 56.7 | 97 | 51.3 | -7.4 | 48.7 | 99 | -8.2 | -0.8 | -7.9 | 8.1 | 11.6 | Lightness gamut relative to offset | | | |
| | 10 | 63.4 | -7.8 | 63.7 | 97 | 55.1 | -7.7 | 55.4 | 98 | -8.2 | 0.1 | -8.2 | 8.3 | 11.7 | f* = 80.8 | | | |
| | 11 | 67.4 | -9.1 | 70.6 | 97 | 58.4 | -7.8 | 61.0 | 97 | -8.9 | 1.3 | -9.5 | 9.7 | 13.2 | | | | |
| | 12 | 71.3 | -10.4 | 77.5 | 98 | 62.6 | -9.5 | 68.2 | 98 | -8.5 | 0.9 | -9.2 | 9.4 | 12.8 | Black – Yellow | | | |
| | 13 | 75.2 | -11.8 | 84.5 | 98 | 66.8 | -10.2 | 75.7 | 98 | -8.3 | 1.6 | -8.7 | 8.9 | 12.3 | cmY0: N – Y | | | |
| | 14 | 79.1 | -13.1 | 91.4 | 98 | 71.3 | -11.2 | 82.6 | 98 | -7.7 | 1.9 | -8.7 | 9.0 | 11.9 | | | | |
| | 15 | 83.0 | -14.4 | 98.3 | 98 | 76.6 | -13.3 | 90.7 | 98 | -6.3 | 1.1 | -7.5 | 7.7 | 10.0 | Mean CIELAB difference (17 steps) | | | |
| | 16 | 86.9 | -15.7 | 105.3 | 99 | 81.0 | -13.2 | 97.5 | 98 | -5.8 | 2.5 | -7.7 | 8.2 | 10.1 | ΔH* _{CIELAB} = 6.8 | | | |
| Y | 17 | 90.8 | -17.0 | 112.2 | 99 | 90.8 | -17.0 | 112.2 | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 9.0 | | | |
| N | 18 | 28.3 | 3.9 | 1.3 | 18 | 28.3 | 3.9 | 1.3 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | 19 | 43.9 | -1.2 | 29.0 | 93 | 38.7 | -4.1 | 22.3 | 101 | -5.1 | -2.8 | -6.6 | 7.3 | 9.0 | | | | |
| | 20 | 59.5 | -6.5 | 56.7 | 97 | 51.3 | -7.4 | 48.7 | 99 | -8.2 | -0.8 | -7.9 | 8.1 | 11.6 | Mean CIELAB difference (5 steps) | | | |
| | 21 | 75.2 | -11.8 | 84.5 | 98 | 66.8 | -10.2 | 75.7 | 98 | -8.3 | 1.6 | -8.7 | 8.9 | 12.3 | ΔH* _{CIELAB} = 4.9 | | | |
| Y | 22 | 90.8 | -17.0 | 112.2 | 99 | 90.8 | -17.0 | 112.2 | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 6.6 | | | |
| Mean colour reproduction index: | | | | | | | | | | R* _{ab,m} = 61 | | | | | | | | |

De191-3N.: Device: Xcmv0NP D65 L: Measurement: L21g00NP.PDF: Date: 20070202



Del91-7N, ; Device: Xcmy0NP_D65_L; Measurement: L2lg00NP.PDF; Date: 20070202

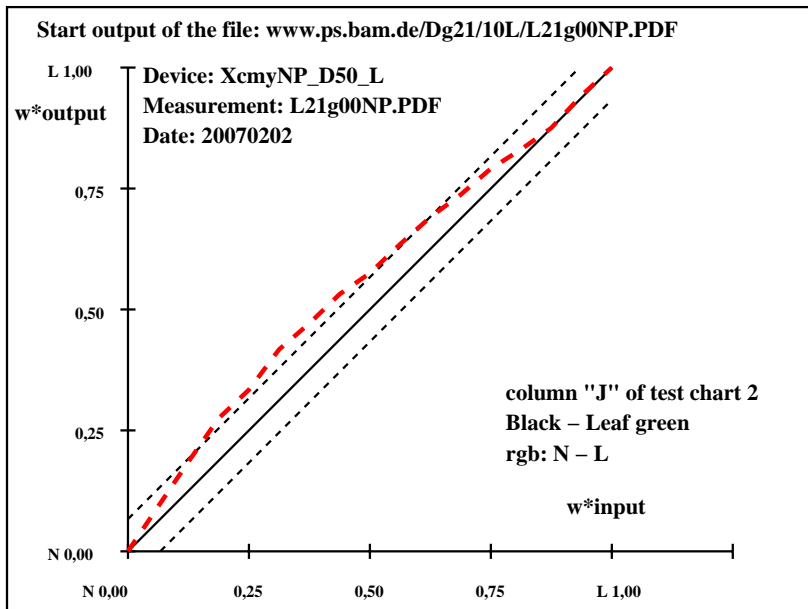
input: *cmy0 setcmykcolor*
output: no change compared to input

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|-------------------|------|------|-----|-----|-------------------------------------|--|--|--|--|--|
| N | 1 | 28.9 | 4.3 | 1.8 | 23 | 28.9 | 4.3 | 1.8 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | | | | |
| | 2 | 30.1 | 0.2 | 3.5 | 87 | 31.1 | -2.0 | 3.0 | 125 | 1.0 | -2.2 | -0.4 | 2.3 | 2.5 | ISO/IEC 15775:1999 Annex G | | | | | |
| | 3 | 31.2 | -3.9 | 5.2 | 127 | 32.5 | -8.6 | 4.3 | 154 | 1.2 | -4.6 | -0.8 | 4.8 | 5.0 | and DIN 33866-1:2000 Annex G | | | | | |
| | 4 | 32.4 | -8.0 | 6.9 | 139 | 33.2 | -15.0 | 6.1 | 158 | 0.8 | -6.9 | -0.7 | 7.1 | 7.1 | relative CIELAB data used for "out" | | | | | |
| | 5 | 33.5 | -12.1 | 8.7 | 145 | 33.8 | -19.0 | 7.9 | 158 | 0.3 | -6.8 | -0.7 | 6.9 | 6.9 | $\Delta L^* = 47.32 - 28.93$ | | | | | |
| | 6 | 34.7 | -16.3 | 10.4 | 148 | 35.2 | -24.7 | 9.9 | 158 | 0.5 | -8.3 | -0.4 | 8.5 | 8.5 | Regularity | | | | | |
| | 7 | 35.8 | -20.4 | 12.1 | 149 | 36.1 | -28.2 | 11.7 | 158 | 0.3 | -7.7 | -0.3 | 7.8 | 7.8 | $g^* = 86.2$ | | | | | |
| | 8 | 37.0 | -24.5 | 13.8 | 151 | 37.1 | -32.0 | 14.1 | 156 | 0.1 | -7.4 | 0.3 | 7.5 | 7.5 | | | | | | |
| | 9 | 38.1 | -28.7 | 15.5 | 152 | 38.1 | -34.8 | 15.4 | 156 | 0.0 | -6.1 | 0.0 | 6.2 | 6.2 | Lightness gamut relative to offset | | | | | |
| | 10 | 39.3 | -32.8 | 17.2 | 152 | 39.4 | -38.8 | 16.8 | 157 | 0.1 | -5.9 | -0.3 | 6.0 | 6.0 | $f^* = 23.8$ | | | | | |
| | 11 | 40.4 | -36.9 | 18.9 | 153 | 40.7 | -42.2 | 19.0 | 156 | 0.3 | -5.2 | 0.1 | 5.3 | 5.3 | | | | | | |
| | 12 | 41.6 | -41.0 | 20.6 | 153 | 41.7 | -45.4 | 19.8 | 156 | 0.1 | -4.3 | -0.7 | 4.4 | 4.4 | Black – Leaf green | | | | | |
| | 13 | 42.7 | -45.2 | 22.4 | 154 | 42.5 | -48.7 | 22.1 | 156 | -0.1 | -3.4 | -0.2 | 3.5 | 3.5 | rgb: N – L | | | | | |
| | 14 | 43.9 | -49.3 | 24.1 | 154 | 43.4 | -51.7 | 22.1 | 157 | -0.4 | -2.3 | -1.9 | 3.1 | 3.1 | | | | | | |
| | 15 | 45.0 | -53.4 | 25.8 | 154 | 44.6 | -54.2 | 24.2 | 156 | -0.3 | -0.7 | -1.5 | 1.7 | 1.8 | Mean CIELAB difference (17 steps) | | | | | |
| | 16 | 46.2 | -57.6 | 27.5 | 155 | 46.1 | -58.2 | 27.0 | 155 | 0.0 | -0.5 | -0.4 | 0.8 | 0.8 | $\Delta H^*_{CIELAB} = 4.5$ | | | | | |
| L | 17 | 47.3 | -61.7 | 29.2 | 155 | 47.3 | -61.7 | 29.2 | 155 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 4.5$ | | | | | |
| N | 18 | 28.9 | 4.3 | 1.8 | 23 | 28.9 | 4.3 | 1.8 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| | 19 | 33.5 | -12.1 | 8.7 | 145 | 33.8 | -19.0 | 7.9 | 158 | 0.3 | -6.8 | -0.7 | 6.9 | 6.9 | | | | | | |
| | 20 | 38.1 | -28.7 | 15.5 | 152 | 38.1 | -34.8 | 15.4 | 156 | 0.0 | -6.1 | 0.0 | 6.2 | 6.2 | Mean CIELAB difference (5 steps) | | | | | |
| | 21 | 42.7 | -45.2 | 22.4 | 154 | 42.5 | -48.7 | 22.1 | 156 | -0.1 | -3.4 | -0.2 | 3.5 | 3.5 | $\Delta H^*_{CIELAB} = 3.3$ | | | | | |
| L | 22 | 47.3 | -61.7 | 29.2 | 155 | 47.3 | -61.7 | 29.2 | 155 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.3$ | | | | | |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 81$ | | | | | | | | | | |

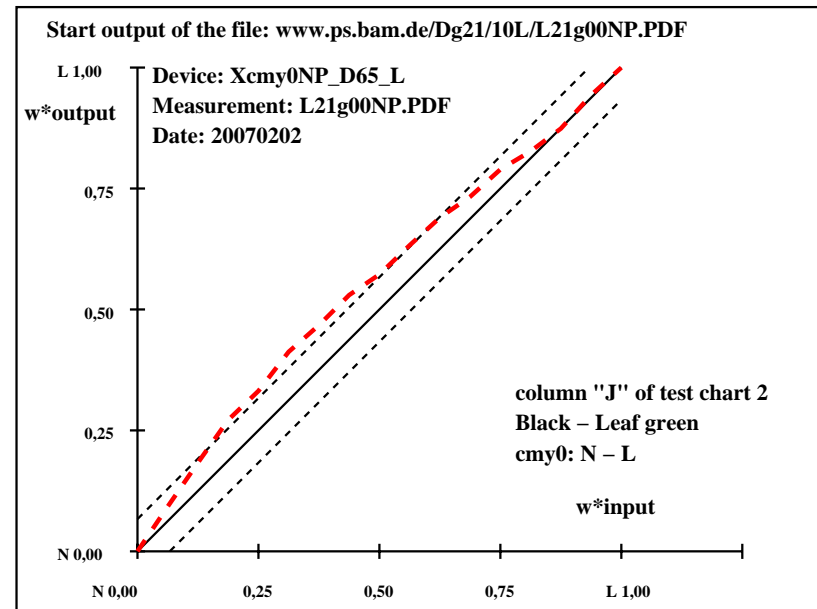
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | | hab,ref | LAB*a,out | | hab,out | LAB*a,out/c-ref | | | | ΔH^* | ΔE^* | Start output S1 | | |
|---------------------------------|----|-----------|-------|---------|-----------|------|---------|-----------------|-----|-------------------|------|--------------|--------------|-----------------|-------------------------------------|--|
| N | 1 | 29.0 | 3.9 | 1.6 | 22 | 29.0 | 3.9 | 1.6 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | |
| | 2 | 30.2 | -0.3 | 3.5 | 96 | 31.3 | -2.6 | 3.1 | 131 | 1.1 | -2.2 | -0.3 | 2.4 | 2.6 | ISO/IEC 15775:1999 Annex G | |
| | 3 | 31.4 | -4.6 | 5.4 | 131 | 32.7 | -9.3 | 4.7 | 153 | 1.4 | -4.6 | -0.6 | 4.8 | 5.0 | and DIN 33866-1:2000 Annex G | |
| | 4 | 32.6 | -8.8 | 7.3 | 141 | 33.5 | -15.8 | 6.8 | 157 | 1.0 | -6.9 | -0.4 | 7.0 | 7.1 | relative CIELAB data used for "out" | |
| | 5 | 33.8 | -13.1 | 9.2 | 145 | 34.2 | -20.0 | 8.8 | 156 | 0.5 | -6.8 | -0.3 | 6.9 | 6.9 | $\Delta L^* = 48.19 - 28.95$ | |
| | 6 | 35.0 | -17.4 | 11.1 | 148 | 35.6 | -25.7 | 11.0 | 157 | 0.7 | -8.2 | 0.0 | 8.3 | 8.4 | Regularity | |
| | 7 | 36.2 | -21.7 | 13.0 | 149 | 36.6 | -29.4 | 13.0 | 156 | 0.4 | -7.6 | 0.0 | 7.8 | 7.8 | $g^* = 83.4$ | |
| | 8 | 37.4 | -25.9 | 14.9 | 150 | 37.6 | -33.5 | 15.5 | 155 | 0.3 | -7.5 | 0.6 | 7.6 | 7.6 | | |
| | 9 | 38.6 | -30.2 | 16.8 | 151 | 38.7 | -36.3 | 17.0 | 155 | 0.1 | -6.0 | 0.3 | 6.1 | 6.1 | Lightness gamut relative to offset | |
| | 10 | 39.8 | -34.5 | 18.6 | 152 | 40.0 | -40.5 | 18.5 | 156 | 0.2 | -5.9 | 0.0 | 6.0 | 6.0 | $f^* = 24.9$ | |
| | 11 | 41.0 | -38.8 | 20.5 | 152 | 41.4 | -44.1 | 20.9 | 155 | 0.4 | -5.3 | 0.4 | 5.4 | 5.4 | | |
| | 12 | 42.2 | -43.0 | 22.4 | 153 | 42.4 | -47.2 | 21.7 | 155 | 0.2 | -4.1 | -0.6 | 4.2 | 4.2 | Black – Leaf green | |
| | 13 | 43.4 | -47.3 | 24.3 | 153 | 43.3 | -50.8 | 24.2 | 155 | 0.0 | -3.4 | 0.0 | 3.5 | 3.5 | cmy0: N – L | |
| | 14 | 44.6 | -51.6 | 26.2 | 153 | 44.2 | -53.7 | 24.4 | 156 | -0.3 | -2.0 | -1.7 | 2.8 | 2.8 | | |
| | 15 | 45.8 | -55.9 | 28.1 | 153 | 45.4 | -56.5 | 26.6 | 155 | -0.3 | -0.5 | -1.4 | 1.6 | 1.7 | Mean CIELAB difference (17 steps) | |
| | 16 | 47.0 | -60.1 | 30.0 | 154 | 46.9 | -60.8 | 29.6 | 154 | 0.0 | -0.6 | -0.3 | 0.8 | 0.8 | $\Delta H^*_{CIELAB} = 4.4$ | |
| L | 17 | 48.2 | -64.4 | 31.9 | 154 | 48.2 | -64.4 | 31.9 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 4.5$ | |
| | 18 | 29.0 | 3.9 | 1.6 | 22 | 29.0 | 3.9 | 1.6 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 19 | 33.8 | -13.1 | 9.2 | 145 | 34.2 | -20.0 | 8.8 | 156 | 0.5 | -6.8 | -0.3 | 6.9 | 6.9 | | |
| | 20 | 38.6 | -30.2 | 16.8 | 151 | 38.7 | -36.3 | 17.0 | 155 | 0.1 | -6.0 | 0.3 | 6.1 | 6.1 | Mean CIELAB difference (5 steps) | |
| L | 21 | 43.4 | -47.3 | 24.3 | 153 | 43.3 | -50.8 | 24.2 | 155 | 0.0 | -3.4 | 0.0 | 3.5 | 3.5 | $\Delta H^*_{CIELAB} = 3.3$ | |
| | 22 | 48.2 | -64.4 | 31.9 | 154 | 48.2 | -64.4 | 31.9 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.3$ | |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 81$ | | | | | | |

De191-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



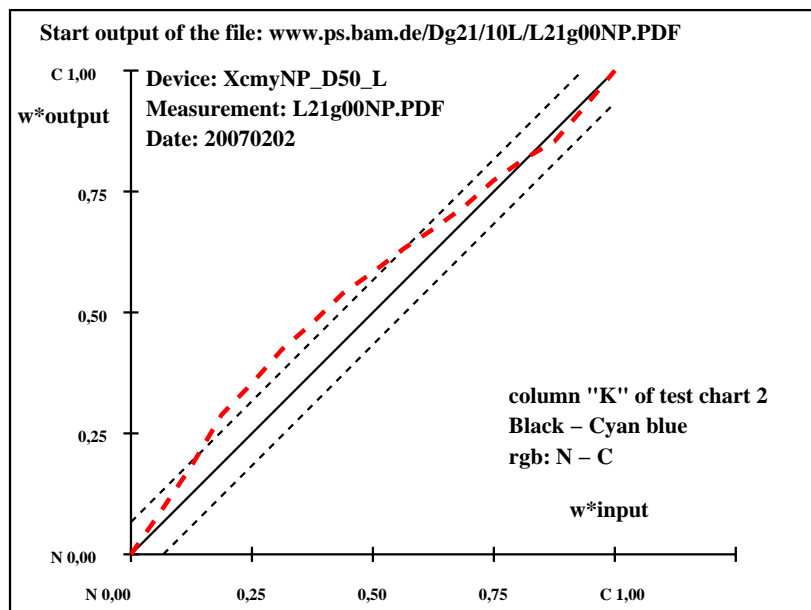
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

BAM registration: 20080301-De19/10/L19E0ANA.PS.TXT BAM material: code=rha4ta
application for output of monitor, data projector, or printer systems

| T | i | LAB*a _{ref} | | | hab.ref | LAB*a _{out} | | | hab.out | LAB*a _{out} /c-ref | | | | ΔH^* | ΔE^* | Start output S1 | |
|---|----|----------------------|-------|-------|---------|----------------------|-------|-------|---------|-----------------------------|-------|-----|------|--------------|--------------|-------------------------------------|---------------------|
| N | 1 | 29.1 | 3.5 | 0.5 | 8 | 29.1 | 3.5 | 0.5 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | |
| | 2 | 30.6 | 1.5 | -2.2 | 303 | 30.6 | -1.5 | -0.3 | 194 | 0.0 | -3.0 | 1.9 | 3.6 | 3.6 | | ISO/IEC 15775:1999 Annex G | |
| | 3 | 32.2 | -0.5 | -4.9 | 263 | 31.9 | -6.7 | -2.0 | 197 | -0.2 | -6.1 | 2.9 | 6.9 | 6.9 | | and DIN 33866-1:2000 Annex G | |
| | 4 | 33.7 | -2.5 | -7.7 | 251 | 32.6 | -12.8 | -3.9 | 197 | -1.0 | -10.2 | 3.8 | 11.0 | 11.0 | | relative CIELAB data used for "out" | |
| | 5 | 35.3 | -4.5 | -10.4 | 246 | 33.8 | -16.4 | -4.9 | 197 | -1.4 | -11.8 | 5.5 | 13.1 | 13.2 | | $\Delta L^* = 53.76 - 29.09$ | |
| | 6 | 36.8 | -6.6 | -13.2 | 243 | 34.7 | -20.0 | -7.2 | 200 | -2.0 | -13.3 | 6.0 | 14.7 | 14.8 | | Regularity | |
| | 7 | 38.3 | -8.6 | -15.9 | 241 | 35.7 | -22.8 | -8.7 | 201 | -2.6 | -14.1 | 7.2 | 15.9 | 16.1 | | $g^* = 58.2$ | |
| | 8 | 39.9 | -10.7 | -18.7 | 240 | 37.3 | -25.9 | -10.1 | 201 | -2.5 | -15.1 | 8.6 | 17.5 | 17.7 | | | |
| | 9 | 41.4 | -12.7 | -21.5 | 239 | 39.1 | -27.6 | -11.9 | 203 | -2.2 | -14.8 | 9.5 | 17.7 | 17.8 | | Lightness gamut relative to offset | |
| | 10 | 43.0 | -14.7 | -24.2 | 239 | 40.7 | -29.0 | -15.0 | 207 | -2.2 | -14.2 | 9.2 | 17.0 | 17.1 | | $f^* = 31.9$ | |
| | 11 | 44.5 | -16.8 | -27.0 | 238 | 42.5 | -30.2 | -17.1 | 210 | -1.9 | -13.3 | 9.9 | 16.7 | 16.8 | | | |
| | 12 | 46.1 | -18.8 | -29.7 | 238 | 44.2 | -30.2 | -21.6 | 216 | -1.8 | -11.3 | 8.1 | 14.0 | 14.1 | | Black – Cyan blue | |
| | 13 | 47.6 | -20.8 | -32.5 | 237 | 45.8 | -30.4 | -26.4 | 221 | -1.7 | -9.5 | 6.1 | 11.3 | 11.5 | | rgb: N – C | |
| | 14 | 49.1 | -22.9 | -35.2 | 237 | 47.2 | -29.6 | -30.8 | 226 | -1.9 | -6.6 | 4.4 | 8.0 | 8.3 | | | |
| | 15 | 50.7 | -24.9 | -38.0 | 237 | 48.8 | -29.1 | -33.7 | 229 | -1.8 | -4.1 | 4.3 | 6.0 | 6.3 | | Mean CIELAB difference (17 steps) | |
| | 16 | 52.2 | -27.0 | -40.7 | 236 | 50.7 | -28.9 | -39.0 | 233 | -1.4 | -1.8 | 1.7 | 2.6 | 3.0 | | $\Delta H^{*}_{CIELAB} = 10.3$ | |
| C | 17 | 53.8 | -29.0 | -43.5 | 236 | 53.8 | -29.0 | -43.5 | 236 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | $\Delta E^{*}_{CIELAB} = 10.5$ | |
| N | 18 | 29.1 | 3.5 | 0.5 | 8 | 29.1 | 3.5 | 0.5 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | 19 | 35.3 | -4.5 | -10.4 | 246 | 33.8 | -16.4 | -4.9 | 197 | -1.4 | -11.8 | 5.5 | 13.1 | 13.2 | | | |
| | 20 | 41.4 | -12.7 | -21.5 | 239 | 39.1 | -27.6 | -11.9 | 203 | -2.2 | -14.8 | 9.5 | 17.7 | 17.8 | | Mean CIELAB difference (5 steps) | |
| | 21 | 47.6 | -20.8 | -32.5 | 237 | 45.8 | -30.4 | -26.4 | 221 | -1.7 | -9.5 | 6.1 | 11.3 | 11.5 | | $\Delta H^{*}_{CIELAB} = 8.4$ | |
| C | 22 | 53.8 | -29.0 | -43.5 | 236 | 53.8 | -29.0 | -43.5 | 236 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | $\Delta E^{*}_{CIELAB} = 8.5$ | |
| | | | | | | | | | | | | | | | | Mean colour reproduction index: | $R^{*}_{ab,m} = 54$ |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

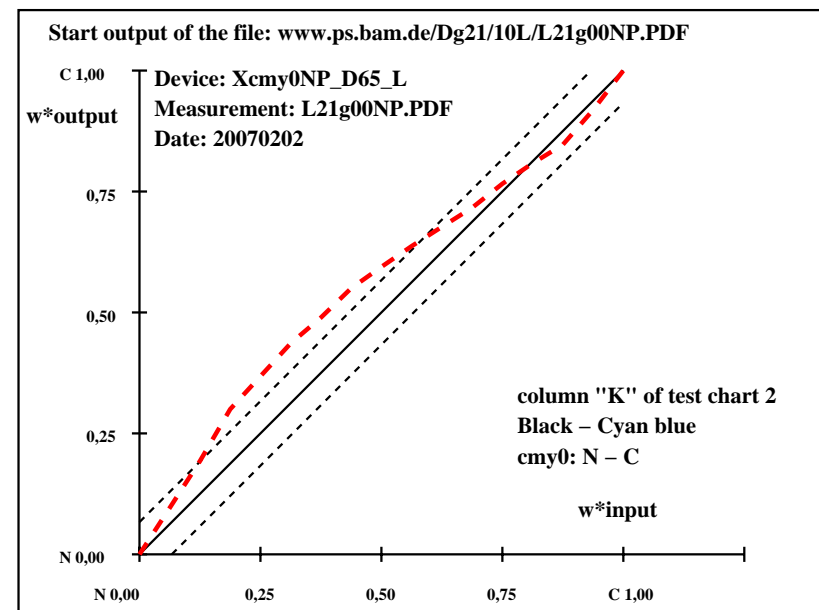


De190-7N, ; Device: XcmyNP_D50 L; Measurement: L21g00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "K"; D50 and D65 illuminant, Page 11/24

| T | i | LAB*a,ref | | | hab,ref | LAB*a,out | | | hab,out | LAB*a,out/c-ref | | | | ΔE^* | ΔE^* | Start output S1 |
|---------------------------------|------|-----------|-------|-------|---------|-----------|-------|-------|---------|-------------------|-------|------|------|--------------|-----------------------------------|-------------------------------------|
| N | 1 | 29.2 | 3.2 | 0.3 | 5 | 29.2 | 3.2 | 0.3 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 30.8 | 1.7 | -2.2 | 307 | 30.8 | -1.6 | -0.2 | 190 | 0.0 | -3.3 | 2.0 | 3.9 | 3.9 | | ISO/IEC 15775:1999 Annex G |
| | 3 | 32.4 | 0.2 | -4.7 | 272 | 32.2 | -6.5 | -1.6 | 194 | -0.1 | -6.7 | 3.1 | 7.5 | 7.5 | | and DIN 33866-1:2000 Annex G |
| | 4 | 34.1 | -1.2 | -7.3 | 260 | 33.1 | -12.1 | -3.1 | 195 | -0.9 | -10.8 | 4.2 | 11.7 | 11.7 | | relative CIELAB data used for "out" |
| | 5 | 35.7 | -2.7 | -9.8 | 254 | 34.3 | -15.5 | -3.9 | 194 | -1.3 | -12.7 | 5.9 | 14.1 | 14.2 | | $\Delta L^* = 55.36 - 29.15$ |
| | 6 | 37.3 | -4.2 | -12.4 | 251 | 35.4 | -18.6 | -6.0 | 198 | -1.9 | -14.3 | 6.4 | 15.7 | 15.8 | | Regularity |
| | 7 | 39.0 | -5.7 | -14.9 | 249 | 36.4 | -21.0 | -7.4 | 200 | -2.4 | -15.2 | 7.5 | 17.0 | 17.2 | | $g^* = 61.5$ |
| | 8 | 40.6 | -7.2 | -17.5 | 247 | 38.1 | -23.7 | -8.6 | 200 | -2.4 | -16.4 | 8.9 | 18.7 | 18.9 | | |
| | 9 | 42.3 | -8.8 | -20.1 | 246 | 40.0 | -25.1 | -10.3 | 202 | -2.2 | -16.3 | 9.8 | 19.0 | 19.2 | | Lightness gamut relative to offset |
| | 10 | 43.9 | -10.3 | -22.6 | 245 | 41.6 | -25.9 | -13.2 | 207 | -2.2 | -15.5 | 9.4 | 18.3 | 18.4 | | $f^* = 33.9$ |
| 11 | 45.5 | -11.8 | -25.2 | 245 | 43.6 | -26.7 | -15.1 | 210 | -1.9 | -14.8 | 10.1 | 18.0 | 18.1 | | | |
| 12 | 47.2 | -13.3 | -27.7 | 244 | 45.3 | -25.9 | -19.5 | 217 | -1.8 | -12.5 | 8.2 | 15.1 | 15.2 | | Black – Cyan blue | |
| 13 | 48.8 | -14.8 | -30.3 | 244 | 47.0 | -25.2 | -24.0 | 224 | -1.7 | -10.3 | 6.3 | 12.2 | 12.3 | | cmY0: N – C | |
| 14 | 50.4 | -16.3 | -32.8 | 244 | 48.5 | -23.6 | -28.3 | 230 | -1.9 | -7.2 | 4.5 | 8.6 | 8.8 | | | |
| 15 | 52.1 | -17.8 | -35.4 | 243 | 50.1 | -22.7 | -31.1 | 234 | -1.9 | -4.8 | 4.3 | 6.5 | 6.8 | | Mean CIELAB difference (17 steps) | |
| 16 | 53.7 | -19.3 | -37.9 | 243 | 52.2 | -21.4 | -36.2 | 239 | -1.4 | -2.0 | 1.7 | 2.7 | 3.1 | | $\Delta H^*_{CIELAB} = 11.1$ | |
| C | 17 | 55.4 | -20.8 | -40.5 | 243 | 55.4 | -20.8 | -40.5 | 243 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | $\Delta E^*_{CIELAB} = 11.2$ |
| N | 18 | 29.2 | 3.2 | 0.3 | 5 | 29.2 | 3.2 | 0.3 | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 19 | 35.7 | -2.7 | -9.8 | 254 | 34.3 | -15.5 | -3.9 | 194 | -1.3 | -12.7 | 5.9 | 14.1 | 14.2 | | |
| | 20 | 42.3 | -8.8 | -20.1 | 246 | 40.0 | -25.1 | -10.3 | 202 | -2.2 | -16.3 | 9.8 | 19.0 | 19.2 | | Mean CIELAB difference (5 steps) |
| 21 | 48.8 | -14.8 | -30.3 | 244 | 47.0 | -25.2 | -24.0 | 224 | -1.7 | -10.3 | 6.3 | 12.2 | 12.3 | | $\Delta H^*_{CIELAB} = 9.1$ | |
| C | 22 | 55.4 | -20.8 | -40.5 | 243 | 55.4 | -20.8 | -40.5 | 243 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | $\Delta E^*_{CIELAB} = 9.1$ |
| Mean colour reproduction index: | | | | | | | | | | $R^*_{ab,m} = 51$ | | | | | | |

De191-3N, ; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



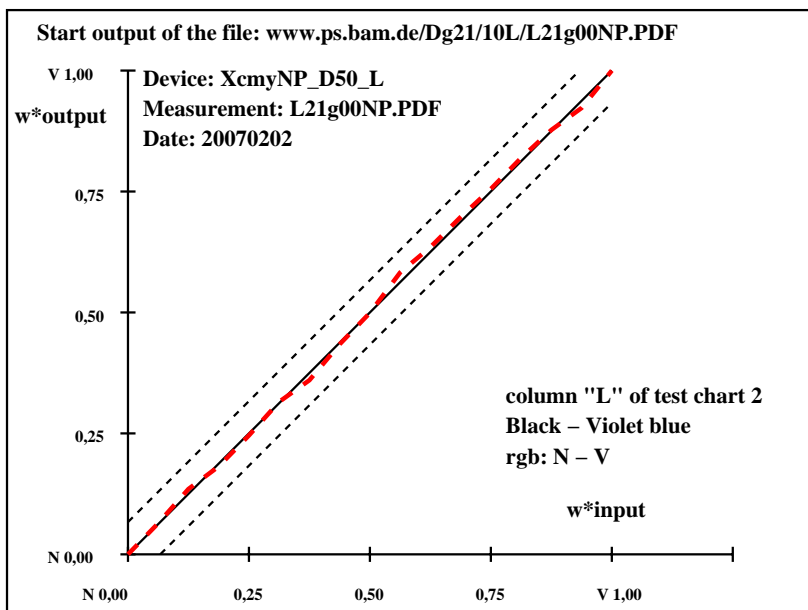
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *cmy0 setcmykcolor*
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔE^* | ΔE^* | Start output S1 | | | | | | | | | |
|---------------------------------|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|------|-----|-----|-----|-----|-----|-------------------------------------|
| N | 1 | 28.9 | 3.0 | 0.5 | 9 | 28.9 | 3.0 | 0.5 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 28.6 | 3.6 | -1.7 | 334 | 28.6 | 3.8 | -1.7 | 335 | 0.0 | 0.2 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | ISO/IEC 15775:1999 Annex G |
| | 3 | 28.4 | 4.2 | -4.0 | 316 | 28.5 | 3.6 | -4.5 | 308 | 0.1 | -0.5 | -0.4 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | and DIN 33866-1:2000 Annex G |
| | 4 | 28.2 | 4.8 | -6.3 | 307 | 27.9 | 4.5 | -6.1 | 306 | -0.2 | -0.2 | 0.2 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | relative CIELAB data used for "out" |
| | 5 | 28.0 | 5.4 | -8.6 | 302 | 27.5 | 5.6 | -8.3 | 304 | -0.4 | 0.2 | 0.3 | 0.3 | 0.6 | 0.3 | 0.6 | 0.6 | $\Delta L^* = 25.53 - 28.85$ |
| | 6 | 27.8 | 6.0 | -10.9 | 299 | 26.8 | 5.8 | -10.9 | 298 | -0.9 | -0.1 | 0.0 | 0.2 | 1.0 | 0.2 | 1.0 | 1.0 | Regularity |
| | 7 | 27.6 | 6.6 | -13.2 | 297 | 26.5 | 6.3 | -12.5 | 297 | -1.0 | -0.2 | 0.7 | 0.7 | 1.4 | 0.7 | 1.4 | 1.4 | $g^* = 19.3$ |
| | 8 | 27.4 | 7.2 | -15.5 | 295 | 26.0 | 6.1 | -15.4 | 291 | -1.3 | -1.0 | 0.1 | 1.1 | 1.8 | 1.1 | 1.8 | 1.8 | |
| | 9 | 27.2 | 7.9 | -17.8 | 294 | 26.2 | 7.0 | -17.8 | 291 | -0.9 | -0.7 | 0.0 | 0.9 | 1.3 | 0.9 | 1.3 | 1.3 | Lightness gamut relative to offset |
| | 10 | 27.0 | 8.5 | -20.0 | 293 | 25.8 | 7.6 | -20.9 | 290 | -1.1 | -0.8 | -0.8 | 1.2 | 1.7 | 1.2 | 1.7 | 1.7 | $f^* = -4.2$ |
| | 11 | 26.8 | 9.1 | -22.3 | 292 | 25.5 | 8.6 | -22.7 | 291 | -1.2 | -0.4 | -0.3 | 0.6 | 1.4 | 0.6 | 1.4 | 1.4 | |
| | 12 | 26.6 | 9.7 | -24.6 | 291 | 25.5 | 8.4 | -25.2 | 288 | -0.9 | -1.2 | -0.5 | 1.4 | 1.7 | 1.4 | 1.7 | 1.7 | Black – Violet blue |
| | 13 | 26.4 | 10.3 | -26.9 | 291 | 25.3 | 9.1 | -27.3 | 288 | -1.0 | -1.1 | -0.3 | 1.2 | 1.6 | 1.2 | 1.6 | 1.6 | rgb: N – V |
| | 14 | 26.2 | 10.9 | -29.2 | 290 | 25.2 | 9.6 | -29.7 | 288 | -0.8 | -1.2 | -0.4 | 1.4 | 1.7 | 1.4 | 1.7 | 1.7 | |
| | 15 | 25.9 | 11.5 | -31.5 | 290 | 25.5 | 10.5 | -31.8 | 288 | -0.3 | -0.9 | -0.2 | 1.0 | 1.1 | 1.0 | 1.1 | 1.1 | Mean CIELAB difference (17 steps) |
| | 16 | 25.7 | 12.1 | -33.8 | 290 | 25.5 | 11.3 | -33.4 | 289 | -0.2 | -0.7 | 0.4 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | $\Delta H^*_{CIELAB} = 0.7$ |
| V | 17 | 25.5 | 12.7 | -36.1 | 289 | 25.5 | 12.7 | -36.1 | 289 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 1.0$ |
| N | 18 | 28.9 | 3.0 | 0.5 | 9 | 28.9 | 3.0 | 0.5 | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 28.0 | 5.4 | -8.6 | 302 | 27.5 | 5.6 | -8.3 | 304 | -0.4 | 0.2 | 0.3 | 0.3 | 0.6 | 0.3 | 0.6 | 0.6 | |
| | 20 | 27.2 | 7.9 | -17.8 | 294 | 26.2 | 7.0 | -17.8 | 291 | -0.9 | -0.7 | 0.0 | 0.9 | 1.3 | 0.9 | 1.3 | 1.3 | Mean CIELAB difference (5 steps) |
| | 21 | 26.4 | 10.3 | -26.9 | 291 | 25.3 | 9.1 | -27.3 | 288 | -1.0 | -1.1 | -0.3 | 1.2 | 1.6 | 1.2 | 1.6 | 1.6 | $\Delta H^*_{CIELAB} = 0.5$ |
| V | 22 | 25.5 | 12.7 | -36.1 | 289 | 25.5 | 12.7 | -36.1 | 289 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 0.7$ |
| Mean colour reproduction index: | | | | | | | | | | | | | | | | | | |
| $R^*_{ab,m} = 96$ | | | | | | | | | | | | | | | | | | |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

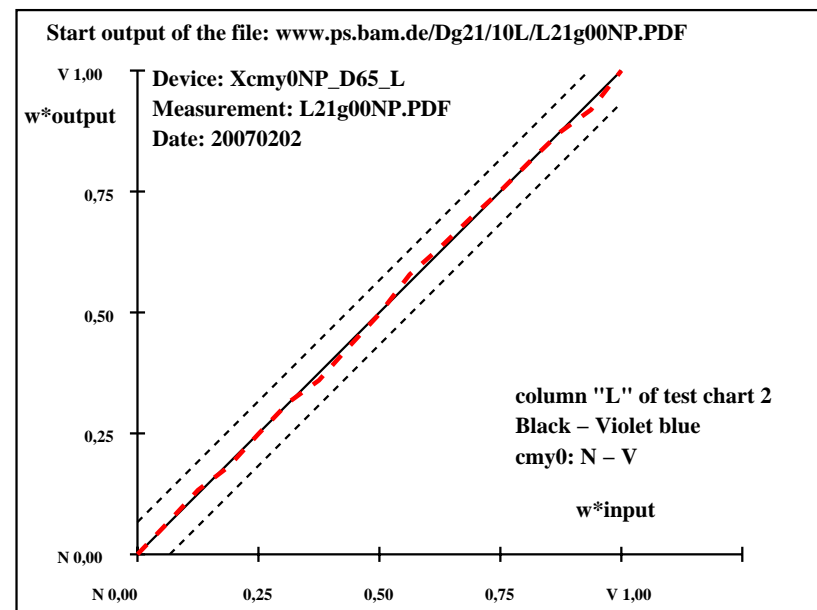


De190-7N.; Device: XcmyNP_D50_L; Measurement: L2lg00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "L"; D50 and D65 illuminant, Page 12/24

| T | i | LAB*a _{ref} | | | hab.ref | LAB*a _{out} | | | hab.out | LAB*a _{out} /c-ref | | | | ΔH^* | ΔE^* | Start output S1 |
|---|----|----------------------|------|-------|---------|----------------------|------|-------|---------|---------------------------------|------|------|-----|--------------|-------------------|-------------------------------------|
| N | 1 | 28.9 | 2.7 | 0.4 | 8 | 28.9 | 2.7 | 0.4 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 28.7 | 3.7 | -1.8 | 333 | 28.7 | 3.9 | -1.8 | 334 | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 | ISO/IEC 15775:1999 Annex G |
| | 3 | 28.6 | 4.8 | -4.0 | 319 | 28.7 | 4.1 | -4.6 | 311 | 0.1 | -0.6 | -0.5 | 0.9 | 0.9 | 0.9 | and DIN 33866-1:2000 Annex G |
| | 4 | 28.4 | 5.8 | -6.3 | 312 | 28.1 | 5.2 | -6.2 | 310 | -0.2 | -0.5 | 0.1 | 0.6 | 0.7 | 0.7 | relative CIELAB data used for "out" |
| | 5 | 28.2 | 6.8 | -8.6 | 308 | 27.7 | 6.7 | -8.5 | 308 | -0.5 | 0.0 | 0.1 | 0.1 | 0.6 | 0.6 | $\Delta L^* = 26.19 - 28.92$ |
| | 6 | 28.1 | 7.9 | -10.8 | 306 | 27.0 | 7.3 | -11.0 | 303 | -1.0 | -0.5 | -0.1 | 0.6 | 1.2 | 1.2 | Regularity |
| | 7 | 27.9 | 8.9 | -13.1 | 304 | 26.7 | 8.1 | -12.6 | 303 | -1.1 | -0.7 | 0.5 | 0.9 | 1.5 | 1.5 | $g^* = 34.7$ |
| | 8 | 27.7 | 9.9 | -15.3 | 303 | 26.3 | 8.5 | -15.4 | 299 | -1.4 | -1.3 | 0.0 | 1.4 | 2.0 | 2.0 | |
| | 9 | 27.6 | 11.0 | -17.6 | 302 | 26.5 | 9.9 | -17.8 | 299 | -1.0 | -1.0 | -0.1 | 1.1 | 1.5 | 1.5 | Lightness gamut relative to offset |
| | 10 | 27.4 | 12.0 | -19.9 | 301 | 26.2 | 11.1 | -20.8 | 298 | -1.1 | -0.8 | -0.8 | 1.3 | 1.8 | 1.8 | $f^* = -3.4$ |
| V | 11 | 27.2 | 13.0 | -22.1 | 300 | 25.9 | 12.5 | -22.6 | 299 | -1.2 | -0.4 | -0.4 | 0.7 | 1.5 | 1.5 | |
| | 12 | 27.0 | 14.0 | -24.4 | 300 | 26.0 | 12.8 | -25.1 | 297 | -0.9 | -1.1 | -0.6 | 1.4 | 1.8 | 1.8 | Black – Violet blue |
| | 13 | 26.9 | 15.1 | -26.7 | 299 | 25.8 | 13.9 | -27.1 | 297 | -1.0 | -1.1 | -0.3 | 1.3 | 1.7 | 1.7 | cmy0: N – V |
| | 14 | 26.7 | 16.1 | -28.9 | 299 | 25.8 | 14.9 | -29.4 | 297 | -0.8 | -1.1 | -0.4 | 1.3 | 1.6 | 1.6 | |
| | 15 | 26.5 | 17.1 | -31.2 | 299 | 26.1 | 16.2 | -31.5 | 297 | -0.4 | -0.8 | -0.2 | 1.0 | 1.1 | 1.1 | Mean CIELAB difference (17 steps) |
| | 16 | 26.4 | 18.2 | -33.4 | 298 | 26.1 | 17.3 | -33.0 | 298 | -0.2 | -0.8 | 0.4 | 1.0 | 1.0 | 1.0 | $\Delta H^*_{CIELAB} = 0.8$ |
| | 17 | 26.2 | 19.2 | -35.7 | 298 | 26.2 | 19.2 | -35.7 | 298 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 1.1$ |
| | 18 | 28.9 | 2.7 | 0.4 | 8 | 28.9 | 2.7 | 0.4 | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 28.2 | 6.8 | -8.6 | 308 | 27.7 | 6.7 | -8.5 | 308 | -0.5 | 0.0 | 0.1 | 0.1 | 0.6 | 0.6 | |
| | 20 | 27.6 | 11.0 | -17.6 | 302 | 26.5 | 9.9 | -17.8 | 299 | -1.0 | -1.0 | -0.1 | 1.1 | 1.5 | 1.5 | Mean CIELAB difference (5 steps) |
| V | 21 | 26.9 | 15.1 | -26.7 | 299 | 25.8 | 13.9 | -27.1 | 297 | -1.0 | -1.1 | -0.3 | 1.3 | 1.7 | 1.7 | $\Delta H^*_{CIELAB} = 0.5$ |
| | 22 | 26.2 | 19.2 | -35.7 | 298 | 26.2 | 19.2 | -35.7 | 298 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 0.8$ |
| | | | | | | | | | | Mean colour reproduction index: | | | | | $R^*_{ab,m} = 95$ | |

Del91-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



Del91-7N.; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *cmy0 setcmykcolor*
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De19/10L/L19E0CNA.PS/.TXT
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

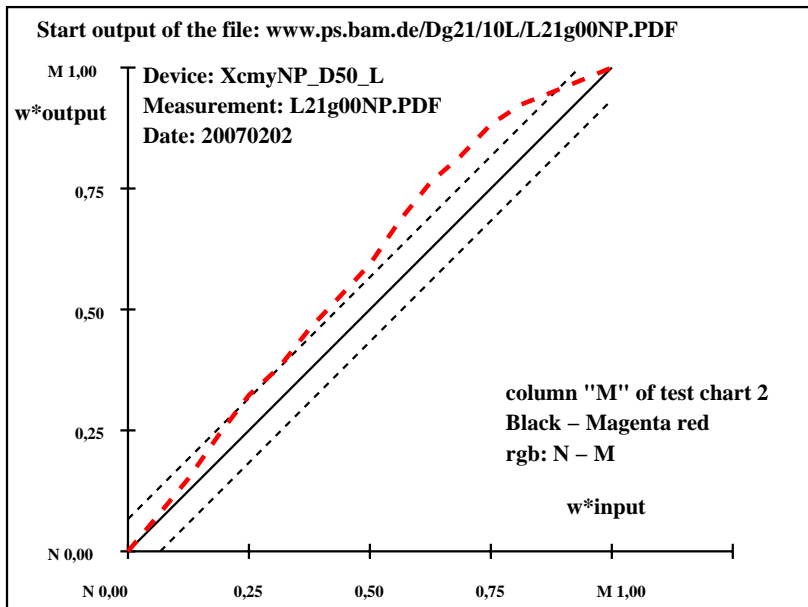
BAM registration: 20080301-De19/10L/L19E0CNA.PS/.TXT BAM material: code=rh4ta
application for output of monitor, data projector, or printer systems

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | Specification according to | | | | | | | | | |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|-----|------|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|--|--|--|--|
| N | 1 | 29.3 | 1.9 | 0.8 | 23 | 29.3 | 1.9 | 0.8 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G | | | | | | | | | |
| | 2 | 30.5 | 5.6 | 0.7 | 7 | 30.3 | 6.4 | 0.0 | 0 | 0.0 | 0.8 | -0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | and DIN 33866-1:2000 Annex G | | | | | | | | | |
| | 3 | 31.7 | 9.4 | 0.5 | 3 | 30.5 | 11.1 | -0.9 | 355 | -1.0 | 1.7 | -1.4 | 2.3 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | relative CIELAB data used for "out" | | | | | | | | | |
| | 4 | 32.9 | 13.1 | 0.4 | 2 | 31.6 | 16.7 | -0.9 | 357 | -1.2 | 3.6 | -1.3 | 3.9 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | $\Delta L^* = 48.6 - 29.25$ | | | | | | | | | |
| | 5 | 34.1 | 16.8 | 0.3 | 1 | 32.2 | 21.9 | -0.7 | 358 | -1.8 | 5.1 | -1.0 | 5.2 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | Regularity | | | | | | | | | |
| | 6 | 35.3 | 20.6 | 0.1 | 0 | 33.4 | 25.4 | 0.0 | 0 | -1.8 | 4.8 | 0.0 | 4.8 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | $g^* = 43.8$ | | | | | | | | | |
| | 7 | 36.5 | 24.3 | 0.0 | 0 | 34.5 | 30.3 | 0.4 | 1 | -1.9 | 6.0 | 0.4 | 6.0 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | Lightness gamut relative to offset | | | | | | | | | |
| | 8 | 37.7 | 28.0 | 0.0 | 360 | 35.8 | 34.3 | 0.2 | 0 | -1.9 | 6.3 | 0.3 | 6.3 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | $f^* = 25.0$ | | | | | | | | | |
| | 9 | 38.9 | 31.7 | -0.1 | 360 | 36.7 | 38.4 | 0.1 | 0 | -2.1 | 6.7 | 0.3 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | Black – Magenta red | | | | | | | | | |
| | 10 | 40.1 | 35.5 | -0.3 | 359 | 39.3 | 43.7 | -0.3 | 359 | -0.7 | 8.2 | 0.0 | 8.2 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | rgb: N – M | | | | | | | | | |
| | 11 | 41.3 | 39.2 | -0.4 | 359 | 40.9 | 48.3 | -1.4 | 358 | -0.4 | 9.1 | -0.9 | 9.1 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | Mean CIELAB difference (17 steps) | | | | | | | | | |
| | 12 | 42.6 | 42.9 | -0.5 | 359 | 42.7 | 51.3 | -2.4 | 357 | 0.1 | 8.4 | -1.8 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | $\Delta H^*_{CIELAB} = 5.1$ | | | | | | | | | |
| | 13 | 43.8 | 46.7 | -0.7 | 359 | 43.5 | 55.4 | -1.6 | 358 | -0.2 | 8.7 | -0.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | $\Delta E^*_{CIELAB} = 5.2$ | | | | | | | | | |
| | 14 | 45.0 | 50.4 | -0.8 | 359 | 44.5 | 57.8 | -1.6 | 358 | -0.4 | 7.4 | -0.7 | 7.4 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | Mean CIELAB difference (5 steps) | | | | | | | | | |
| | 15 | 46.2 | 54.1 | -0.9 | 359 | 46.0 | 59.0 | -1.5 | 358 | -0.1 | 4.9 | -0.5 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | $\Delta H^*_{CIELAB} = 4.1$ | | | | | | | | | |
| | 16 | 47.4 | 57.9 | -1.1 | 359 | 46.9 | 60.4 | -2.1 | 358 | -0.4 | 2.5 | -0.9 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | $\Delta E^*_{CIELAB} = 4.3$ | | | | | | | | | |
| M | 17 | 48.6 | 61.6 | -1.2 | 359 | 48.6 | 61.6 | -1.2 | 359 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 77$ | | | | | | | | | |
| N | 18 | 29.3 | 1.9 | 0.8 | 23 | 29.3 | 1.9 | 0.8 | 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |
| | 19 | 34.1 | 16.8 | 0.3 | 1 | 32.2 | 21.9 | -0.7 | 358 | -1.8 | 5.1 | -1.0 | 5.2 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | | | | | | | | | | |
| | 20 | 38.9 | 31.7 | -0.1 | 360 | 36.7 | 38.4 | 0.1 | 0 | -2.1 | 6.7 | 0.3 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | | | | | | | | |
| | 21 | 43.8 | 46.7 | -0.7 | 359 | 43.5 | 55.4 | -1.6 | 358 | -0.2 | 8.7 | -0.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | | | | | | | | | | |
| M | 22 | 48.6 | 61.6 | -1.2 | 359 | 48.6 | 61.6 | -1.2 | 359 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |

De190–3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | | Specification according to | | | | | | | | | |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|-----|------|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|--|--|--|--|
| N | 1 | 29.3 | 1.6 | 0.7 | 24 | 29.3 | 1.6 | 0.7 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G | | | | | | | | | |
| | 2 | 30.5 | 5.3 | 0.4 | 4 | 30.3 | 6.1 | -0.1 | 358 | 0.0 | 0.8 | -0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | and DIN 33866-1:2000 Annex G | | | | | | | | | |
| | 3 | 31.6 | 9.1 | 0.0 | 0 | 30.4 | 10.9 | -1.4 | 352 | -1.0 | 1.8 | -1.4 | 2.4 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | relative CIELAB data used for "out" | | | | | | | | | |
| | 4 | 32.7 | 12.8 | -0.2 | 359 | 31.4 | 16.4 | -1.7 | 354 | -1.2 | 3.6 | -1.4 | 3.9 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | $\Delta L^* = 47.2 - 29.34$ | | | | | | | | | |
| | 5 | 33.8 | 16.5 | -0.6 | 358 | 31.9 | 21.5 | -1.8 | 355 | -1.8 | 5.0 | -1.1 | 5.1 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | Regularity | | | | | | | | | |
| | 6 | 34.9 | 20.2 | -0.9 | 357 | 33.0 | 24.9 | -1.2 | 357 | -1.8 | 4.7 | -0.2 | 4.7 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | $g^* = 40.0$ | | | | | | | | | |
| | 7 | 36.0 | 24.0 | -1.3 | 357 | 33.9 | 29.6 | -1.0 | 358 | -2.0 | 5.6 | 0.3 | 5.7 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | Lightness gamut relative to offset | | | | | | | | | |
| | 8 | 37.2 | 27.7 | -1.6 | 356 | 35.1 | 33.7 | -1.4 | 357 | -2.0 | 6.0 | 0.2 | 6.0 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | $f^* = 23.1$ | | | | | | | | | |
| | 9 | 38.3 | 31.4 | -2.0 | 356 | 35.9 | 37.8 | -1.7 | 357 | -2.2 | 6.4 | 0.3 | 6.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | Black – Magenta red | | | | | | | | | |
| | 10 | 39.4 | 35.1 | -2.3 | 356 | 38.4 | 43.2 | -2.7 | 356 | -0.9 | 8.1 | -0.3 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | cmy0: N – M | | | | | | | | | |
| | 11 | 40.5 | 38.9 | -2.6 | 356 | 39.8 | 47.9 | -4.1 | 355 | -0.6 | 9.1 | -1.4 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | Mean CIELAB difference (17 steps) | | | | | | | | | |
| | 12 | 41.6 | 42.6 | -3.0 | 356 | 41.6 | 50.9 | -5.2 | 354 | 0.0 | 8.3 | -2.1 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | $\Delta H^*_{CIELAB} = 5.0$ | | | | | | | | | |
| | 13 | 42.7 | 46.3 | -3.3 | 356 | 42.3 | 55.1 | -4.7 | 355 | -0.4 | 8.8 | -1.3 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | $\Delta E^*_{CIELAB} = 5.2$ | | | | | | | | | |
| | 14 | 43.9 | 50.0 | -3.7 | 356 | 43.2 | 57.5 | -4.8 | 355 | -0.6 | 7.5 | -1.0 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | Mean CIELAB difference (5 steps) | | | | | | | | | |
| | 15 | 45.0 | 53.8 | -4.0 | 356 | 44.7 | 58.6 | -4.8 | 355 | -0.2 | 4.8 | -0.7 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | $\Delta H^*_{CIELAB} = 4.1$ | | | | | | | | | |
| | 16 | 46.1 | 57.5 | -4.4 | 356 | 45.5 | 60.1 | -5.5 | 355 | -0.5 | 2.6 | -1.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | $\Delta E^*_{CIELAB} = 4.2$ | | | | | | | | | |
| M | 17 | 47.2 | 61.2 | -4.7 | 356 | 47.2 | 61.2 | -4.7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 77$ | | | | | | | | | |
| N | 18 | 29.3 | 1.6 | 0.7 | 24 | 29.3 | 1.6 | 0.7 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |
| | 19 | 33.8 | 16.5 | -0.6 | 358 | 31.9 | 21.5 | -1.8 | 355 | -1.8 | 5.0 | -1.1 | 5.1 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | | | | | | | | | | |
| | 20 | 38.3 | 31.4 | -2.0 | 356 | 35.9 | 37.8 | -1.7 | 357 | -2.2 | 6.4 | 0.3 | 6.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | | | | | | | | | | |
| | 21 | 42.7 | 46.3 | -3.3 | 356 | 42.3 | 55.1 | -4.7 | 355 | -0.4 | 8.8 | -1.3 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | | | | | | | | | | |
| M | 22 | 47.2 | 61.2 | -4.7 | 356 | 47.2 | 61.2 | -4.7 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | | | |

De191–3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 |
| | 2 | 27.2 | 0.1 | 7.0 | 89 | 25.1 | 0.3 | 7.5 |
| | 3 | 31.7 | 0.1 | 6.6 | 89 | 28.2 | 0.2 | 7.2 |
| | 4 | 36.3 | 0.1 | 6.1 | 89 | 33.3 | 0.2 | 6.6 |
| | 5 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 |
| | 6 | 45.4 | 0.1 | 5.2 | 89 | 43.3 | 0.1 | 5.6 |
| | 7 | 49.9 | 0.1 | 4.8 | 89 | 47.2 | 0.1 | 5.1 |
| | 8 | 54.5 | 0.1 | 4.3 | 89 | 52.6 | 0.0 | 4.7 |
| Z | 9 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 |
| | 10 | 63.5 | 0.0 | 3.4 | 89 | 63.4 | 0.0 | 3.4 |
| | 11 | 68.1 | 0.0 | 2.9 | 89 | 68.8 | 0.0 | 2.8 |
| | 12 | 72.6 | 0.0 | 2.5 | 89 | 73.5 | 0.0 | 2.6 |
| | 13 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 |
| | 14 | 81.7 | 0.0 | 1.6 | 89 | 81.7 | 0.0 | 1.7 |
| | 15 | 86.3 | 0.0 | 1.1 | 89 | 85.3 | 0.0 | 1.1 |
| | 16 | 90.8 | 0.0 | 0.7 | 89 | 88.9 | 0.0 | 0.7 |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |
| N | 18 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 |
| | 19 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 |
| Z | 20 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 |
| | 21 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |

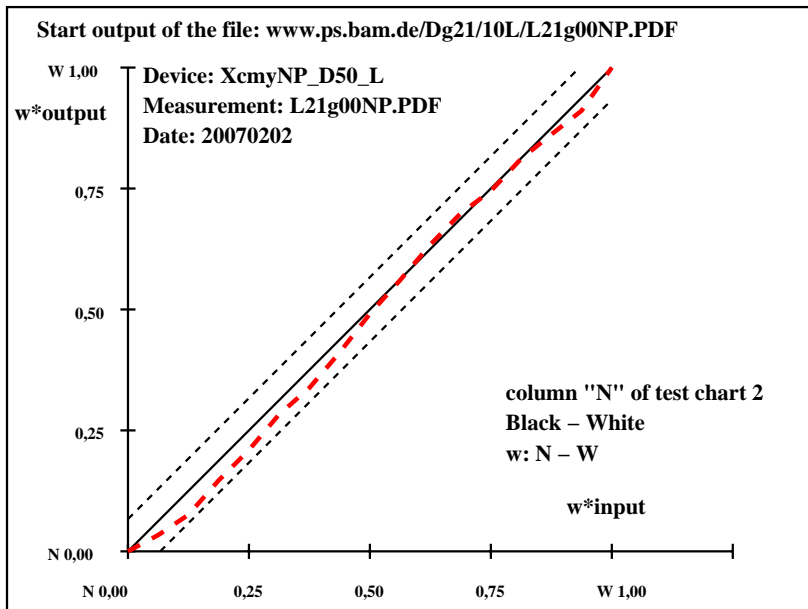
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.36 - 22.65$
Regularity
 $g^* = 74.5$
Lightness gamut relative to offset
 $f^* = 93.9$
Black - White
w: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 0.2$
 $\Delta E^{*CIELAB} = 1.4$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 0.2$
 $\Delta E^{*CIELAB} = 0.8$
Mean colour reproduction index: $R^*_{ab,m} = 94$

De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

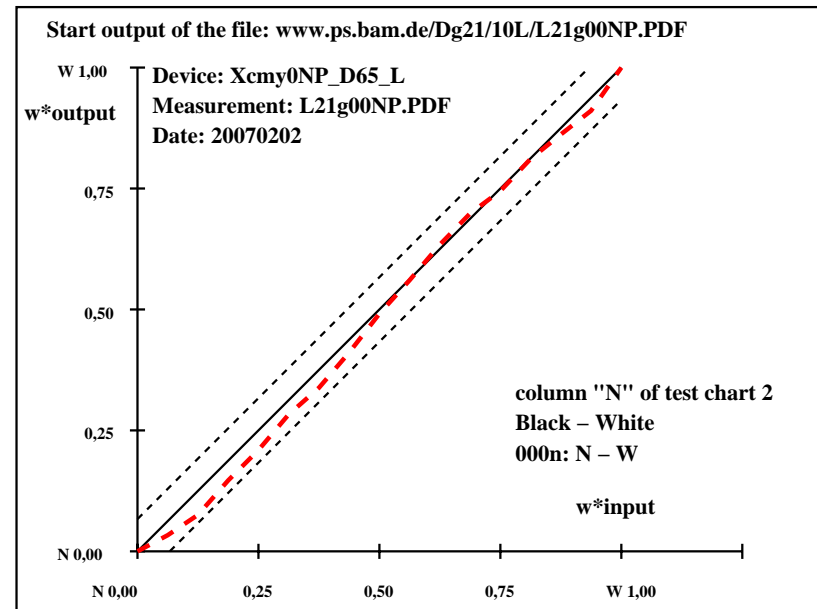
| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 22.6 | 0.2 | 7.1 | 88 | 22.6 | 0.2 | 7.1 |
| | 2 | 27.2 | 0.2 | 6.7 | 88 | 25.1 | 0.3 | 7.2 |
| | 3 | 31.7 | 0.2 | 6.2 | 88 | 28.1 | 0.3 | 6.9 |
| | 4 | 36.3 | 0.2 | 5.8 | 88 | 33.3 | 0.2 | 6.3 |
| | 5 | 40.8 | 0.2 | 5.4 | 88 | 37.9 | 0.2 | 5.9 |
| | 6 | 45.4 | 0.1 | 4.9 | 88 | 43.2 | 0.1 | 5.3 |
| | 7 | 49.9 | 0.1 | 4.5 | 88 | 47.2 | 0.1 | 4.8 |
| | 8 | 54.5 | 0.1 | 4.1 | 88 | 52.6 | 0.1 | 4.4 |
| Z | 9 | 59.0 | 0.1 | 3.7 | 88 | 58.4 | 0.0 | 3.9 |
| | 10 | 63.6 | 0.1 | 3.2 | 88 | 63.4 | 0.1 | 3.2 |
| | 11 | 68.1 | 0.1 | 2.8 | 88 | 68.8 | 0.0 | 2.7 |
| | 12 | 72.7 | 0.1 | 2.4 | 88 | 73.5 | 0.0 | 2.5 |
| | 13 | 77.2 | 0.1 | 1.9 | 89 | 76.9 | 0.1 | 1.9 |
| | 14 | 81.8 | 0.0 | 1.5 | 89 | 81.7 | 0.0 | 1.6 |
| | 15 | 86.3 | 0.0 | 1.1 | 89 | 85.4 | 0.0 | 1.0 |
| | 16 | 90.9 | 0.0 | 0.6 | 89 | 88.9 | 0.0 | 0.7 |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |
| N | 18 | 22.6 | 0.2 | 7.1 | 88 | 22.6 | 0.2 | 7.1 |
| | 19 | 40.8 | 0.2 | 5.4 | 88 | 37.9 | 0.2 | 5.9 |
| Z | 20 | 59.0 | 0.1 | 3.7 | 88 | 58.4 | 0.0 | 3.9 |
| | 21 | 77.2 | 0.1 | 1.9 | 89 | 76.9 | 0.1 | 1.9 |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.42 - 22.63$
Regularity
 $g^* = 74.4$
Lightness gamut relative to offset
 $f^* = 94.0$
Black - White
000n: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^{*CIELAB} = 0.2$
 $\Delta E^{*CIELAB} = 1.4$
Mean CIELAB difference (5 steps)
 $\Delta H^{*CIELAB} = 0.2$
 $\Delta E^{*CIELAB} = 0.8$
Mean colour reproduction index: $R^*_{ab,m} = 94$

De191-3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

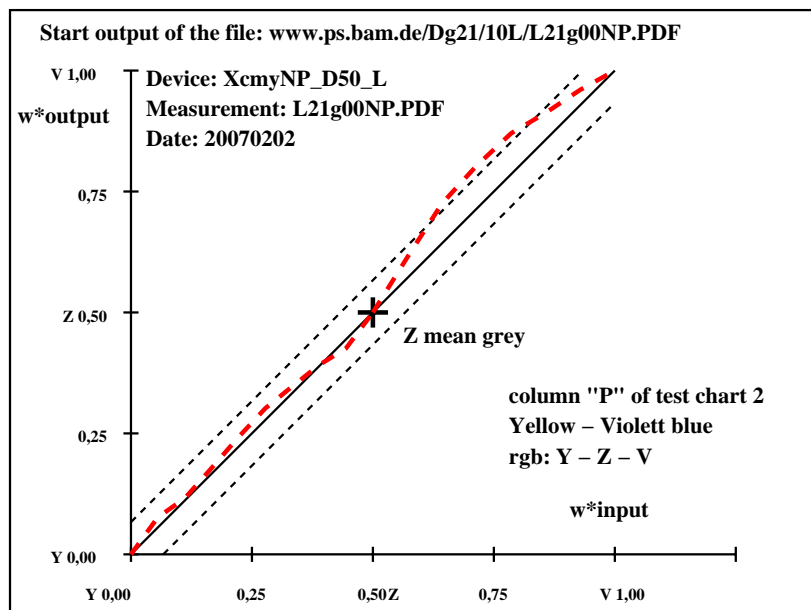


De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | |
|---|----|------------|-----------|------------|-----------|-----------------|--------------|--------------|-----------------|-----------------------------------|
| Y | 1 | 91.5 -10.1 | 109.3 95 | 91.5 -10.1 | 109.3 95 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 86.8 -8.7 | 96.5 95 | 83.6 -8.3 | 91.3 95 | -3.1 | 0.4 | -5.1 | 5.2 | ISO/IEC 15775:1999 Annex G |
| | 3 | 82.1 -7.3 | 83.7 95 | 80.1 -8.2 | 81.8 96 | -1.9 | -0.8 | -1.8 | 2.1 | and DIN 33866-1:2000 Annex G |
| | 4 | 77.3 -5.9 | 70.9 95 | 75.6 -6.3 | 66.3 96 | -1.7 | -0.3 | -4.5 | 4.6 | |
| | 5 | 72.6 -4.6 | 58.1 95 | 70.9 -4.4 | 50.6 95 | -1.6 | 0.2 | -7.4 | 7.5 | |
| | 6 | 67.8 -3.2 | 45.2 94 | 66.0 -2.8 | 36.1 95 | -1.7 | 0.4 | -9.0 | 9.1 | Regularity |
| | 7 | 63.1 -1.8 | 32.4 93 | 62.0 -1.0 | 25.3 92 | -1.0 | 0.8 | -7.0 | 7.2 | $g^* = 52.3$ |
| | 8 | 58.4 -0.4 | 19.6 91 | 57.9 0.0 | 14.7 90 | -0.4 | 0.5 | -4.8 | 4.9 | |
| Z | 9 | 53.6 0.9 | 6.8 82 | 53.6 0.9 | 6.8 82 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 50.2 2.4 | 1.5 32 | 49.0 2.3 | -0.8 339 | -1.1 | 0.0 | -2.3 | 2.4 | |
| | 11 | 46.7 3.8 | -3.8 315 | 45.1 5.4 | -9.4 300 | -1.6 | 1.6 | -5.5 | 5.8 | |
| | 12 | 43.3 5.3 | -9.1 300 | 40.7 6.4 | -17.9 290 | -2.5 | 1.1 | -8.7 | 8.9 | |
| | 13 | 39.8 6.8 | -14.5 295 | 36.8 8.5 | -23.1 290 | -2.9 | 1.7 | -8.6 | 8.8 | Yellow – Violet blue |
| | 14 | 36.3 8.2 | -19.8 292 | 33.3 9.0 | -27.8 288 | -2.9 | 0.8 | -7.9 | 8.1 | rgb: Y – Z – V |
| | 15 | 32.9 9.7 | -25.1 291 | 31.2 10.5 | -30.5 289 | -1.6 | 0.8 | -5.3 | 5.4 | Mean CIELAB difference (17 steps) |
| | 16 | 29.4 11.1 | -30.5 290 | 28.1 11.8 | -33.2 290 | -1.2 | 0.7 | -2.6 | 2.8 | $\Delta H^*_{CIELAB} = 4.9$ |
| V | 17 | 26.0 12.6 | -35.8 289 | 26.0 12.6 | -35.8 289 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 5.2$ |
| Y | 18 | 91.5 -10.1 | 109.3 95 | 91.5 -10.1 | 109.3 95 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 72.6 -4.6 | 58.1 95 | 70.9 -4.4 | 50.6 95 | -1.6 | 0.2 | -7.4 | 7.5 | |
| Z | 20 | 53.6 0.9 | 6.8 82 | 53.6 0.9 | 6.8 82 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) |
| | 21 | 39.8 6.8 | -14.5 295 | 36.8 8.5 | -23.1 290 | -2.9 | 1.7 | -8.6 | 8.8 | $\Delta H^*_{CIELAB} = 3.3$ |
| V | 22 | 26.0 12.6 | -35.8 289 | 26.0 12.6 | -35.8 289 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.4$ |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

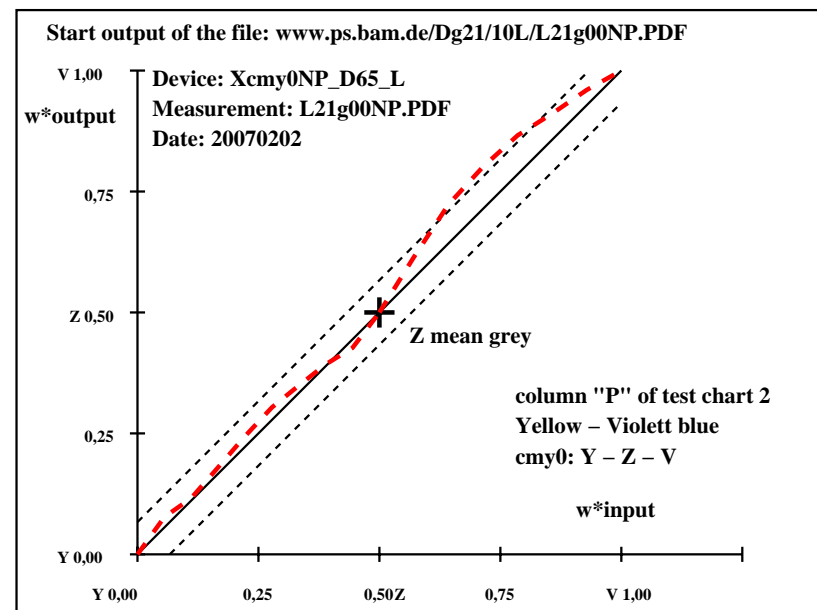


Del90-7N.; Device: XcmyNP_D50_L; Measurement: L2lg00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "P"; D50 and D65 illuminant, Page 16/24

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | |
|---|----|-----------|----------------|-----------|----------------|-----------------|--------------|--------------|-----------------|----------------------------|-----------------------------------|
| Y | 1 | 90.9–17.3 | 110.7 99 | 90.9–17.3 | 110.7 99 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | |
| | 2 | 86.3–15.2 | 97.7 99 | 83.1–15.0 | 92.3 99 | -3.1 | 0.2 | -5.3 | 5.4 | 6.3 | ISO/IEC 15775:1999 Annex G |
| | 3 | 81.6–13.1 | 84.7 99 | 79.6–14.6 | 82.6 100 | -1.9 | -1.4 | -2.0 | 2.6 | 3.3 | and DIN 33866-1:2000 Annex G |
| | 4 | 77.0–11.0 | 71.7 99 | 75.2–12.1 | 66.7 100 | -1.7 | -1.0 | -4.9 | 5.2 | 5.5 | |
| | 5 | 72.3–8.9 | 58.8 99 | 70.5–9.4 | 50.7 101 | -1.7 | -0.5 | -7.9 | 8.1 | 8.3 | |
| | 6 | 67.6–6.7 | 45.8 98 | 65.8–6.8 | 36.1 101 | -1.7 | 0.0 | -9.6 | 9.7 | 9.8 | Regularity |
| | 7 | 63.0–4.6 | 32.8 98 | 61.8–4.2 | 25.2 100 | -1.0 | 0.4 | -7.5 | 7.6 | 7.7 | $g^* = 51.7$ |
| | 8 | 58.3–2.5 | 19.8 98 | 57.8–2.1 | 14.7 99 | -0.4 | 0.4 | -5.0 | 5.1 | 5.1 | |
| Z | 9 | 53.7–0.4 | 6.8 94 | 53.7–0.4 | 6.8 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 50.3 | 1.9 1.5 38 | 49.1 | 1.8 -0.8 333 | -1.0 | 0.0 | -2.3 | 2.4 | 2.7 | |
| | 11 | 46.9 | 4.4 -3.7 319 | 45.3 | 6.0 -9.4 302 | -1.6 | 1.6 | -5.6 | 6.0 | 6.2 | |
| | 12 | 43.5 | 6.8 -9.0 307 | 41.0 | 8.4 -17.8 295 | -2.4 | 1.6 | -8.7 | 9.0 | 9.3 | Yellow – Violet blue |
| | 13 | 40.1 | 9.3 -14.3 303 | 37.2 | 11.5 -22.9 297 | -2.9 | 2.3 | -8.6 | 8.9 | 9.4 | cmY: Y – Z – V |
| | 14 | 36.8 | 11.7 -19.5 301 | 33.8 | 13.1 -27.4 295 | -2.9 | 1.4 | -7.8 | 8.0 | 8.5 | |
| | 15 | 33.4 | 14.1 -24.8 300 | 31.7 | 15.3 -30.2 297 | -1.6 | 1.2 | -5.3 | 5.5 | 5.8 | Mean CIELAB difference (17 steps) |
| | 16 | 30.0 | 16.6 -30.1 299 | 28.7 | 17.4 -32.9 298 | -1.2 | 0.8 | -2.7 | 2.9 | 3.2 | $\Delta H^*_{CIELAB} = 5.1$ |
| V | 17 | 26.6 | 19.0 -35.4 298 | 26.6 | 19.0 -35.4 298 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 5.4$ |
| | 18 | 90.9–17.3 | 110.7 99 | 90.9–17.3 | 110.7 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Y | 19 | 72.3–8.9 | 58.8 99 | 70.5–9.4 | 50.7 101 | -1.7 | -0.5 | -7.9 | 8.1 | 8.3 | |
| | 20 | 53.7–0.4 | 6.8 94 | 53.7–0.4 | 6.8 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) |
| Z | 21 | 40.1 | 9.3 -14.3 303 | 37.2 | 11.5 -22.9 297 | -2.9 | 2.3 | -8.6 | 8.9 | 9.4 | $\Delta H^*_{CIELAB} = 3.4$ |
| | 22 | 26.6 | 19.0 -35.4 298 | 26.6 | 19.0 -35.4 298 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.5$ |

Del91-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



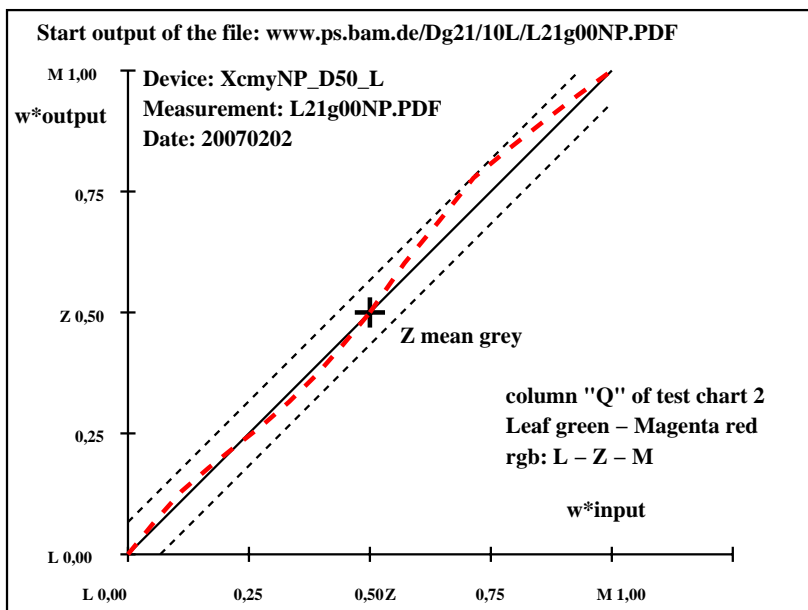
Del91-7N.; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

input: *cmy0 setcmykcolor*
output: no change compared to input

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | |
|---|----|-----------|---------|-----------|-----------|-----------------|--------------|--------------|-----------------|------|-----|------|-----------------------------------|-----|
| L | 1 | 50.7–58.6 | 31.2 | 152 | 50.7–58.6 | 31.2 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | |
| | 2 | 51.0–51.3 | 28.1 | 151 | 52.4–50.2 | 26.1 | 153 | 1.4 | 1.1 | -1.9 | 2.3 | 2.6 | ISO/IEC 15775:1999 Annex G | |
| | 3 | 51.4–44.1 | 24.9 | 151 | 52.7–42.5 | 21.1 | 154 | 1.4 | 1.6 | -3.7 | 4.1 | 4.3 | and DIN 33866-1:2000 Annex G | |
| | 4 | 51.7–36.8 | 21.8 | 149 | 53.3–36.6 | 17.3 | 155 | 1.5 | 0.2 | -4.4 | 4.5 | 4.7 | | |
| | 5 | 52.1–29.6 | 18.6 | 148 | 52.8–30.2 | 15.2 | 153 | 0.7 | -0.5 | -3.3 | 3.5 | 3.5 | | |
| | 6 | 52.4–22.3 | 15.5 | 145 | 52.7–24.2 | 12.9 | 152 | 0.3 | -1.8 | -2.5 | 3.2 | 3.2 | Regularity | |
| | 7 | 52.8–15.0 | 12.3 | 141 | 53.0–17.4 | 10.5 | 149 | 0.2 | -2.3 | -1.7 | 3.0 | 3.0 | $g^* = 16.7$ | |
| | 8 | 53.1–7.8 | 9.2 | 131 | 53.6–9.5 | 8.5 | 138 | 0.5 | -1.6 | -0.5 | 1.9 | 1.9 | | |
| | 9 | 53.5–0.5 | 6.0 | 96 | 53.5–0.5 | 6.0 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 10 | 52.8 | 7.2 | 5.1 | 36 | 53.5 | 8.9 | 4.3 | 26 | 0.6 | 1.7 | -0.7 | 1.9 | 2.0 |
| Z | 11 | 52.1 | 14.9 | 4.2 | 16 | 53.0 | 19.6 | 2.7 | 8 | 0.9 | 4.7 | -1.4 | 4.9 | 5.0 |
| | 12 | 51.5 | 22.7 | 3.3 | 8 | 53.8 | 28.5 | 0.2 | 0 | 2.3 | 5.8 | -3.0 | 6.6 | 7.0 |
| | 13 | 50.8 | 30.5 | 2.5 | 5 | 52.3 | 37.8 | -1.6 | 357 | 1.4 | 7.4 | -4.1 | 8.4 | 8.6 |
| | 14 | 50.2 | 38.2 | 1.6 | 2 | 51.4 | 44.2 | -1.2 | 358 | 1.2 | 6.0 | -2.8 | 6.6 | 6.7 |
| | 15 | 49.5 | 46.0 | 0.7 | 1 | 50.0 | 50.0 | -2.3 | 357 | 0.5 | 4.0 | -3.0 | 5.1 | 5.1 |
| | 16 | 48.8 | 53.7 | -0.1 | 360 | 49.1 | 55.8 | -2.5 | 357 | 0.3 | 2.1 | -2.3 | 3.2 | 3.2 |
| | 17 | 48.2 | 61.5 | -1.0 | 359 | 48.2 | 61.5 | -1.0 | 359 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 18 | 50.7–58.6 | 31.2 | 152 | 50.7–58.6 | 31.2 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 19 | 52.1–29.6 | 18.6 | 148 | 52.8–30.2 | 15.2 | 153 | 0.7 | -0.5 | -3.3 | 3.5 | 3.5 | | |
| | 20 | 53.5–0.5 | 6.0 | 96 | 53.5–0.5 | 6.0 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (17 steps) | |
| M | 21 | 50.8 | 30.5 | 2.5 | 5 | 52.3 | 37.8 | -1.6 | 357 | 1.4 | 7.4 | -4.1 | 8.4 | 8.6 |
| | | | | | | | | | | | | | $\Delta H^*_{CIELAB} = 2.4$ | |
| | 22 | 48.2 | 61.5 | -1.0 | 359 | 48.2 | 61.5 | -1.0 | 359 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 2.4$ | |
| | 18 | 50.7–58.6 | 31.2 | 152 | 50.7–58.6 | 31.2 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 19 | 52.1–29.6 | 18.6 | 148 | 52.8–30.2 | 15.2 | 153 | 0.7 | -0.5 | -3.3 | 3.5 | 3.5 | | |
| | 20 | 53.5–0.5 | 6.0 | 96 | 53.5–0.5 | 6.0 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) | |
| | 21 | 50.8 | 30.5 | 2.5 | 5 | 52.3 | 37.8 | -1.6 | 357 | 1.4 | 7.4 | -4.1 | 8.4 | 8.6 |
| | | | | | | | | | | | | | $\Delta H^*_{CIELAB} = 2.4$ | |
| | 22 | 48.2 | 61.5 | -1.0 | 359 | 48.2 | 61.5 | -1.0 | 359 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 2.4$ | |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

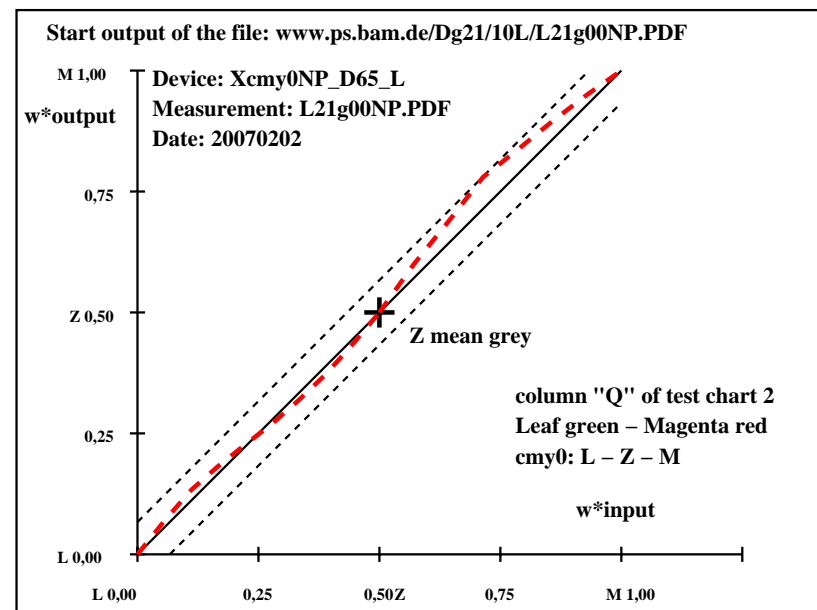


De190-7N.; Device: XcmyNP_D50_L; Measurement: L2lg00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "Q"; D50 and D65 illuminant, Page 17/24

| T | i | LAB*a _{ref} | hab _{ref} | LAB*a _{out} | hab _{out} | LAB*a _{out} /c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | |
|---|----|----------------------|--------------------|----------------------|--------------------|-----------------------------|--------------|--------------|-----------------|-----|------|------|-----|-----|-----------------------------------|
| L | 1 | 51.5 | -61.7 | 33.8 | 151 | 51.5 | -61.7 | 33.8 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 51.7 | -54.2 | 30.3 | 151 | 53.1 | -52.9 | 28.3 | 152 | 1.4 | 1.3 | -1.9 | 2.4 | 2.8 | ISO/IEC 15775:1999 Annex G |
| | 3 | 52.0 | -46.7 | 26.9 | 150 | 53.4 | -44.7 | 23.0 | 153 | 1.4 | 2.0 | -3.8 | 4.4 | 4.6 | and DIN 33866-1:2000 Annex G |
| | 4 | 52.2 | -39.2 | 23.4 | 149 | 53.9 | -38.4 | 19.0 | 154 | 1.6 | 0.8 | -4.3 | 4.5 | 4.8 | |
| | 5 | 52.5 | -31.8 | 20.0 | 148 | 53.3 | -31.9 | 16.6 | 153 | 0.8 | 0.0 | -3.3 | 3.4 | 3.4 | |
| | 6 | 52.8 | -24.3 | 16.5 | 146 | 53.1 | -25.8 | 14.0 | 152 | 0.4 | -1.4 | -2.4 | 2.9 | 2.9 | Regularity |
| | 7 | 53.0 | -16.8 | 13.0 | 142 | 53.3 | -18.8 | 11.3 | 149 | 0.3 | -1.9 | -1.6 | 2.7 | 2.7 | $g^* = 4.8$ |
| | 8 | 53.3 | -9.3 | 9.6 | 134 | 53.8 | -10.9 | 9.0 | 141 | 0.5 | -1.5 | -0.5 | 1.7 | 1.8 | |
| Z | 9 | 53.5 | -1.8 | 6.1 | 107 | 53.5 | -1.8 | 6.1 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 52.7 | 6.0 | 4.8 | 39 | 53.3 | 7.6 | 3.9 | 27 | 0.7 | 1.6 | -0.8 | 1.8 | 2.0 | |
| | 11 | 51.8 | 13.9 | 3.4 | 14 | 52.7 | 18.3 | 1.8 | 6 | 0.8 | 4.4 | -1.5 | 4.7 | 4.8 | |
| | 12 | 51.0 | 21.7 | 2.1 | 5 | 53.3 | 27.5 | -1.0 | 358 | 2.3 | 5.8 | -3.1 | 6.6 | 7.0 | Leaf green – Magenta red |
| | 13 | 50.2 | 29.6 | 0.8 | 1 | 51.5 | 37.1 | -3.6 | 354 | 1.4 | 7.5 | -4.4 | 8.7 | 8.8 | cmY0: L – Z – M |
| | 14 | 49.3 | 37.5 | -0.5 | 359 | 50.5 | 43.4 | -3.5 | 355 | 1.2 | 5.9 | -2.9 | 6.6 | 6.7 | |
| | 15 | 48.5 | 45.4 | -1.8 | 358 | 48.9 | 49.5 | -5.0 | 354 | 0.5 | 4.2 | -3.1 | 5.2 | 5.2 | Mean CIELAB difference (17 steps) |
| | 16 | 47.6 | 53.2 | -3.2 | 356 | 47.9 | 55.4 | -5.6 | 354 | 0.3 | 2.2 | -2.3 | 3.3 | 3.3 | $\Delta H^*_{CIELAB} = 3.5$ |
| M | 17 | 46.8 | 61.1 | -4.5 | 356 | 46.8 | 61.1 | -4.5 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 3.6$ |
| | 18 | 51.5 | -61.7 | 33.8 | 151 | 51.5 | -61.7 | 33.8 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| L | 19 | 52.5 | -31.8 | 20.0 | 148 | 53.3 | -31.9 | 16.6 | 153 | 0.8 | 0.0 | -3.3 | 3.4 | 3.4 | |
| | 20 | 53.5 | -1.8 | 6.1 | 107 | 53.5 | -1.8 | 6.1 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) |
| Z | 21 | 50.2 | 29.6 | 0.8 | 1 | 51.5 | 37.1 | -3.6 | 354 | 1.4 | 7.5 | -4.4 | 8.7 | 8.8 | $\Delta H^*_{CIELAB} = 2.4$ |
| | 22 | 46.8 | 61.1 | -4.5 | 356 | 46.8 | 61.1 | -4.5 | 356 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 2.5$ |

Del91-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



Del91-7N.; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

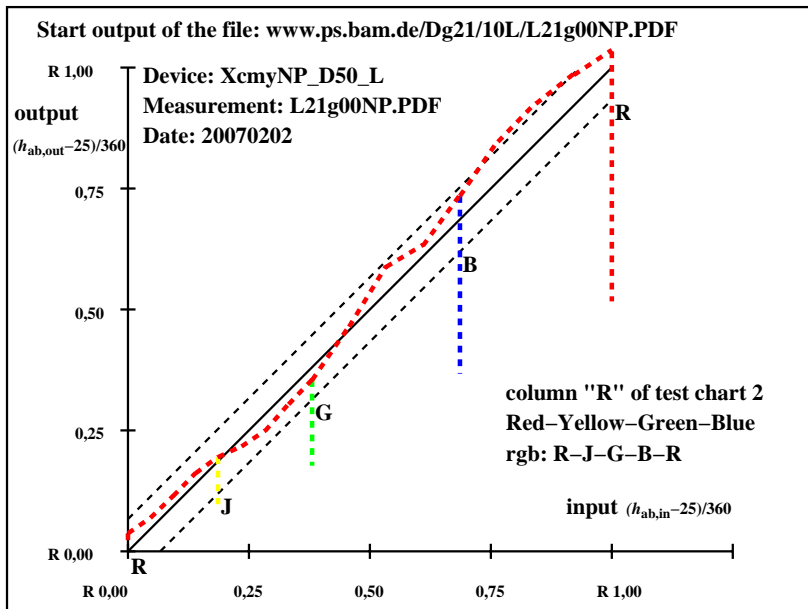
input: *cmy0 setcmykcolor*
output: no change compared to input

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | |
|---|----|-----------|---------|-----------|---------|---------------|--------------|--------------|-----------------|------|-------|-------|------|------|---|
| R | 1 | 48.3 | 63.6 | 29.6 | 25 | 49.9 | 62.0 | 49.1 | 38 | 1.6 | -1.5 | 19.5 | 19.5 | 19.6 | Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G |
| | 2 | 50.5 | 60.1 | 53.6 | 42 | 57.0 | 48.9 | 58.1 | 50 | 6.5 | -11.1 | 4.5 | 12.0 | 13.7 | |
| | 3 | 61.1 | 42.0 | 68.6 | 58 | 66.6 | 31.8 | 71.5 | 66 | 5.5 | -10.1 | 2.9 | 10.6 | 12.0 | |
| | 4 | 72.6 | 22.3 | 84.8 | 75 | 78.4 | 11.0 | 90.3 | 83 | 5.8 | -11.2 | 5.5 | 12.6 | 13.9 | |
| J | 5 | 87.8 | -3.6 | 106.4 | 92 | 91.4 | -9.8 | 110.8 | 95 | 3.6 | -6.1 | 4.4 | 7.6 | 8.4 | Red-Yellow-Green-Blue rgb: R-J-G-B-R |
| | 6 | 75.2 | -28.6 | 81.1 | 110 | 78.1 | -19.9 | 86.4 | 103 | 2.9 | 8.7 | 5.3 | 10.2 | 10.6 | |
| | 7 | 62.7 | -43.4 | 57.7 | 127 | 66.4 | -27.9 | 61.3 | 115 | 3.7 | 15.5 | 3.6 | 15.9 | 16.3 | |
| | 8 | 52.8 | -55.0 | 39.3 | 145 | 58.6 | -42.4 | 43.4 | 134 | 5.8 | 12.6 | 4.1 | 13.2 | 14.4 | |
| G | 9 | 49.0 | -55.2 | 18.0 | 162 | 49.7 | -57.9 | 30.3 | 152 | 0.7 | -2.6 | 12.3 | 12.6 | 12.7 | Mean CIELAB difference (17 steps) $\Delta H^*_{CIELAB} = 14.1$ $\Delta E^*_{CIELAB} = 16.1$ |
| | 10 | 51.1 | -44.0 | -7.3 | 190 | 52.2 | -46.0 | -9.8 | 192 | 1.1 | -1.9 | -2.4 | 3.2 | 3.4 | |
| C | 11 | 52.6 | -35.5 | -26.7 | 217 | 55.7 | -28.3 | -43.0 | 237 | 3.0 | 7.2 | -16.2 | 17.8 | 18.1 | |
| | 12 | 49.1 | -20.4 | -42.9 | 245 | 42.8 | -11.5 | -36.6 | 252 | -6.1 | 8.9 | 6.3 | 10.9 | 12.6 | |
| B | 13 | 34.1 | 1.3 | -38.5 | 272 | 26.9 | 12.7 | -36.0 | 289 | -7.0 | 11.4 | 2.5 | 11.6 | 13.6 | Mean CIELAB difference (5 steps) $\Delta H^*_{CIELAB} = 10.3$ $\Delta E^*_{CIELAB} = 14.5$ |
| | 14 | 27.1 | 19.1 | -32.6 | 300 | 36.8 | 39.9 | -23.2 | 330 | 9.6 | 20.8 | 9.4 | 22.8 | 24.8 | |
| M | 15 | 34.8 | 35.0 | -21.4 | 329 | 49.1 | 61.6 | -2.0 | 358 | 14.3 | 26.6 | 19.4 | 32.9 | 35.9 | |
| | 16 | 47.1 | 60.5 | -3.3 | 357 | 49.7 | 62.9 | 22.2 | 19 | 2.5 | 2.4 | 25.6 | 25.7 | 25.9 | |
| R | 17 | 48.3 | 63.6 | 29.6 | 25 | 49.0 | 63.5 | 47.9 | 37 | 0.7 | 0.0 | 18.3 | 18.3 | 18.3 | |
| R | 18 | 48.3 | 63.6 | 29.6 | 25 | 49.9 | 62.0 | 49.1 | 38 | 1.6 | -1.5 | 19.5 | 19.5 | 19.6 | |
| J | 19 | 87.8 | -3.6 | 106.4 | 92 | 91.4 | -9.8 | 110.8 | 95 | 3.6 | -6.1 | 4.4 | 7.6 | 8.4 | |
| G | 20 | 49.0 | -55.2 | 18.0 | 162 | 49.7 | -57.9 | 30.3 | 152 | 0.7 | -2.6 | 12.3 | 12.6 | 12.7 | |
| B | 21 | 34.1 | 1.3 | -38.5 | 272 | 26.9 | 12.7 | -36.0 | 289 | -7.0 | 11.4 | 2.5 | 11.6 | 13.6 | |
| R | 22 | 48.3 | 63.6 | 29.6 | 25 | 49.0 | 63.5 | 47.9 | 37 | 0.7 | 0.0 | 18.3 | 18.3 | 18.3 | |

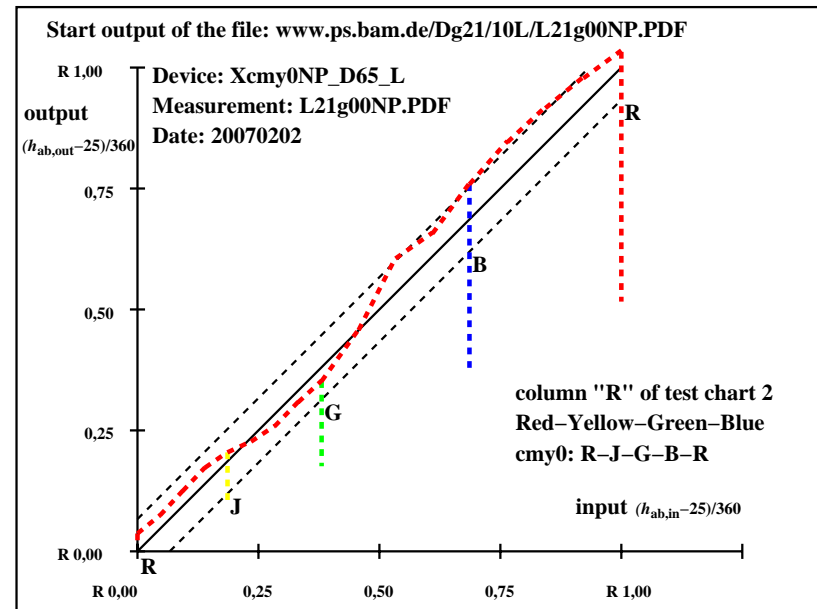
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | | hab,ref | LAB*a,out | | hab,out | LAB*a,out-ref | | ΔH^* | ΔE^* | Start output S1 | | | |
|---|----|-----------|-------|---------|-----------|------|---------|---------------|-----|--------------|--------------|-----------------|------|------|--|
| R | 1 | 46.5 | 61.0 | 28.4 | 25 | 48.0 | 58.0 | 45.8 | 38 | 1.5 | -2.9 | 17.4 | 17.6 | 17.7 | Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G |
| | 2 | 48.5 | 56.3 | 50.2 | 42 | 55.5 | 43.9 | 55.7 | 52 | 7.0 | -12.3 | 5.5 | 13.5 | 15.2 | |
| | 3 | 58.2 | 39.6 | 64.6 | 58 | 65.4 | 25.9 | 70.2 | 70 | 7.2 | -13.6 | 5.6 | 14.8 | 16.4 | |
| | 4 | 68.8 | 21.1 | 80.3 | 75 | 77.5 | 4.3 | 90.4 | 87 | 8.7 | -16.7 | 10.1 | 19.6 | 21.5 | |
| J | 5 | 83.0 | -3.4 | 101.4 | 92 | 90.8 | -17.0 | 112.2 | 99 | 7.8 | -13.5 | 10.8 | 17.3 | 19.0 | |
| | 6 | 77.8 | -31.2 | 88.3 | 110 | 77.8 | -26.2 | 88.0 | 107 | 0.0 | 5.0 | -0.2 | 5.0 | 5.0 | |
| | 7 | 64.0 | -46.6 | 61.9 | 127 | 66.4 | -33.3 | 62.8 | 118 | 2.4 | 13.3 | 0.9 | 13.3 | 13.5 | |
| | 8 | 53.5 | -58.4 | 41.7 | 145 | 59.1 | -46.7 | 45.4 | 136 | 5.6 | 11.7 | 3.7 | 12.3 | 13.5 | |
| G | 9 | 50.3 | -54.5 | 17.7 | 162 | 50.5 | -60.9 | 32.9 | 152 | 0.3 | -6.3 | 15.2 | 16.5 | 16.5 | |
| | 10 | 52.5 | -40.0 | -6.6 | 190 | 53.3 | -43.5 | -7.3 | 190 | 0.8 | -3.4 | -0.6 | 3.6 | 3.7 | |
| C | 11 | 54.0 | -30.4 | -22.9 | 217 | 57.2 | -20.4 | -40.0 | 243 | 3.3 | 10.0 | -17.0 | 19.8 | 20.1 | |
| | 12 | 55.6 | -19.6 | -41.1 | 245 | 44.0 | -5.1 | -34.8 | 262 | -11.6 | 14.5 | 6.3 | 15.8 | 19.6 | |
| B | 13 | 40.2 | 1.3 | -38.4 | 272 | 27.6 | 19.1 | -35.6 | 298 | -12.6 | 17.8 | 2.8 | 18.0 | 22.0 | Red-Yellow-Green-Blue cmy0: R-J-G-B-R |
| | 14 | 25.8 | 20.8 | -35.5 | 300 | 36.4 | 42.4 | -24.9 | 329 | 10.6 | 21.6 | 10.6 | 24.1 | 26.3 | |
| M | 15 | 34.2 | 38.0 | -23.2 | 329 | 47.8 | 61.3 | -5.5 | 355 | 13.5 | 23.3 | 17.7 | 29.3 | 32.2 | Mean CIELAB difference (17 steps) |
| | 16 | 46.9 | 62.5 | -3.4 | 357 | 48.0 | 60.4 | 18.5 | 17 | 1.1 | -2.0 | 22.0 | 22.2 | 22.2 | |
| R | 17 | 46.5 | 61.0 | 28.4 | 25 | 47.1 | 59.6 | 44.4 | 37 | 0.6 | -1.3 | 16.0 | 16.0 | 16.0 | $\Delta H^*_{CIELAB} = 15.4$ $\Delta E^*_{CIELAB} = 17.7$ |
| | 18 | 46.5 | 61.0 | 28.4 | 25 | 48.0 | 58.0 | 45.8 | 38 | 1.5 | -2.9 | 17.4 | 17.6 | 17.7 | |
| J | 19 | 83.0 | -3.4 | 101.4 | 92 | 90.8 | -17.0 | 112.2 | 99 | 7.8 | -13.5 | 10.8 | 17.3 | 19.0 | |
| G | 20 | 50.3 | -54.5 | 17.7 | 162 | 50.5 | -60.9 | 32.9 | 152 | 0.3 | -6.3 | 15.2 | 16.5 | 16.5 | |
| B | 21 | 40.2 | 1.3 | -38.4 | 272 | 27.6 | 19.1 | -35.6 | 298 | -12.6 | 17.8 | 2.8 | 18.0 | 22.0 | Mean CIELAB difference (5 steps) |
| | 22 | 46.5 | 61.0 | 28.4 | 25 | 47.1 | 59.6 | 44.4 | 37 | 0.6 | -1.3 | 16.0 | 16.0 | 16.0 | |
| | | | | | | | | | | | | | | | $\Delta H^*_{CIELAB} = 13.9$ $\Delta E^*_{CIELAB} = 18.3$ |

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De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De19/10L/L19E0INA.PS/.TXT
Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

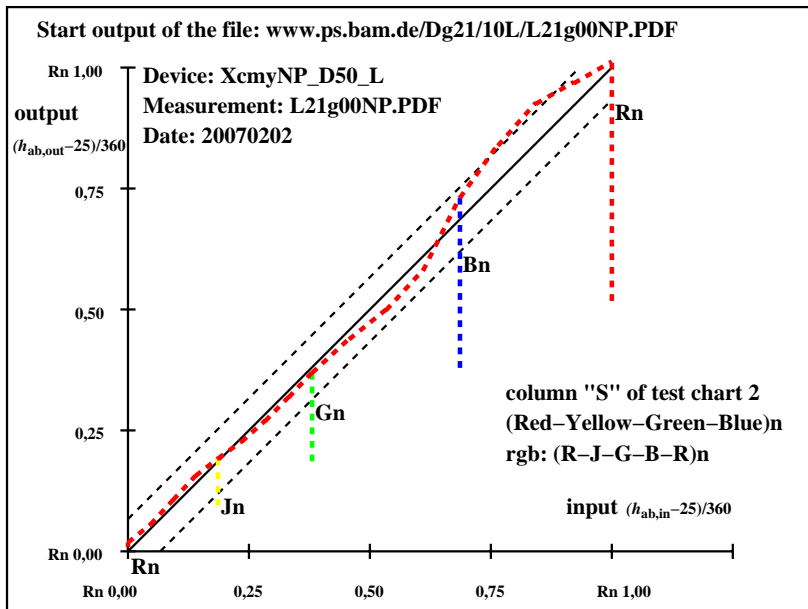
BAM registration: 20080301-De19/10L/L19E0INA.PS/.TXT BAM material: code=rh4ta
application for output of monitor, data projector, or printer systems

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out-ref | ΔH* ΔE* | Start output S1 | | | | | | | |
|---|----|-----------|---------|-----------|---------|---------------|---------|-----------------|-----|------|------|------|------|------|-----------------------------------|
| R | 1 | 37.5 | 31.8 | 14.8 | 25 | 40.2 | 37.3 | 22.8 | 31 | 2.6 | 5.5 | 8.0 | 9.7 | 10.0 | Specification according to |
| | 2 | 38.7 | 30.0 | 26.8 | 42 | 42.8 | 28.4 | 28.4 | 45 | 4.1 | -1.5 | 1.6 | 2.3 | 4.7 | ISO/IEC 15775:1999 Annex G |
| | 3 | 43.9 | 21.0 | 34.3 | 58 | 46.4 | 18.0 | 35.5 | 63 | 2.4 | -2.9 | 1.2 | 3.2 | 4.1 | and DIN 33866-1:2000 Annex G |
| | 4 | 49.7 | 11.2 | 42.4 | 75 | 50.7 | 6.7 | 42.6 | 81 | 1.0 | -4.4 | 0.2 | 4.5 | 4.6 | |
| J | 5 | 57.3 | -1.8 | 53.2 | 92 | 53.7 | -3.3 | 48.3 | 94 | -3.5 | -1.4 | -4.8 | 5.1 | 6.2 | |
| | 6 | 51.0 | -14.3 | 40.5 | 110 | 49.8 | -11.6 | 39.4 | 107 | -1.1 | 2.7 | -1.0 | 2.9 | 3.1 | |
| | 7 | 44.7 | -21.6 | 28.8 | 127 | 46.3 | -19.3 | 31.2 | 122 | 1.6 | 2.3 | 2.4 | 3.3 | 3.7 | |
| | 8 | 39.8 | -27.4 | 19.6 | 145 | 42.7 | -26.7 | 22.9 | 139 | 2.9 | 0.7 | 3.3 | 3.3 | 4.4 | |
| G | 9 | 37.9 | -27.5 | 9.0 | 162 | 39.7 | -33.9 | 13.9 | 158 | 1.8 | -6.3 | 4.9 | 8.0 | 8.2 | |
| | 10 | 38.9 | -22.0 | -3.6 | 190 | 39.8 | -31.3 | -1.4 | 183 | 0.9 | -9.2 | 2.2 | 9.6 | 9.6 | |
| C | 11 | 39.7 | -17.7 | -13.3 | 217 | 40.6 | -26.8 | -12.1 | 204 | 0.9 | -9.0 | 1.2 | 9.2 | 9.2 | |
| | 12 | 37.9 | -10.2 | -21.4 | 245 | 33.5 | -11.7 | -16.0 | 234 | -4.3 | -1.4 | 5.4 | 5.6 | 7.1 | (Red-Yellow-Green-Blue)n |
| B | 13 | 30.4 | 0.7 | -19.2 | 272 | 27.0 | 6.3 | -19.2 | 288 | -3.4 | 5.6 | 0.0 | 5.6 | 6.6 | rgb: (R-J-G-B-R)n |
| | 14 | 27.0 | 9.5 | -16.3 | 300 | 30.9 | 20.5 | -13.3 | 327 | 3.9 | 11.0 | 3.0 | 11.4 | 12.0 | |
| M | 15 | 30.8 | 17.5 | -10.6 | 329 | 37.6 | 37.0 | -1.2 | 358 | 6.7 | 19.5 | 9.4 | 21.7 | 22.7 | Mean CIELAB difference (17 steps) |
| | 16 | 37.0 | 30.2 | -1.6 | 357 | 37.4 | 36.9 | 8.7 | 13 | 0.4 | 6.7 | 10.4 | 12.4 | 12.4 | ΔH* _{CIELAB} = 6.9 |
| R | 17 | 37.5 | 31.8 | 14.8 | 25 | 37.9 | 37.4 | 20.3 | 28 | 0.4 | 5.6 | 5.5 | 7.8 | 7.9 | ΔE* _{CIELAB} = 8.0 |
| R | 18 | 37.5 | 31.8 | 14.8 | 25 | 40.2 | 37.3 | 22.8 | 31 | 2.6 | 5.5 | 8.0 | 9.7 | 10.0 | |
| J | 19 | 57.3 | -1.8 | 53.2 | 92 | 53.7 | -3.3 | 48.3 | 94 | -3.5 | -1.4 | -4.8 | 5.1 | 6.2 | |
| G | 20 | 37.9 | -27.5 | 9.0 | 162 | 39.7 | -33.9 | 13.9 | 158 | 1.8 | -6.3 | 4.9 | 8.0 | 8.2 | Mean CIELAB difference (5 steps) |
| B | 21 | 30.4 | 0.7 | -19.2 | 272 | 27.0 | 6.3 | -19.2 | 288 | -3.4 | 5.6 | 0.0 | 5.6 | 6.6 | ΔH* _{CIELAB} = 5.7 |
| R | 22 | 37.5 | 31.8 | 14.8 | 25 | 37.9 | 37.4 | 20.3 | 28 | 0.4 | 5.6 | 5.5 | 7.8 | 7.9 | ΔE* _{CIELAB} = 8.1 |

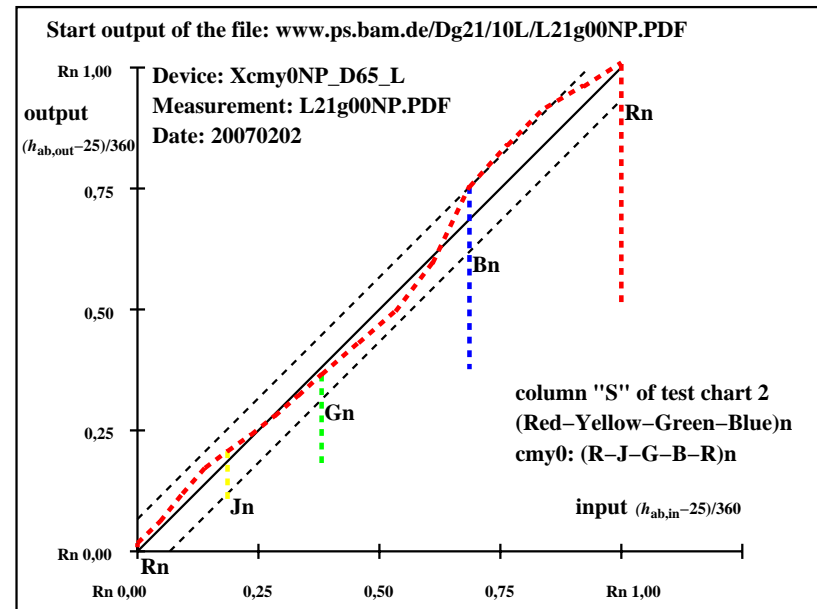
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | | hab,ref | LAB*a,out | | hab,out | LAB*a,out-ref | | ΔH* ΔE* | | Start output S1 | | | |
|---|----|-----------|-------|---------|-----------|------|---------|---------------|-----|---------|-------|-----------------|------|------|--|
| R | 1 | 36.7 | 30.5 | 14.2 | 25 | 39.2 | 34.5 | 20.8 | 31 | 2.4 | 4.0 | 6.6 | 7.7 | 8.1 | Specification according to ISO/IEC 15775:1999 Annex G and DIN 33866-1:2000 Annex G |
| | 2 | 37.7 | 28.1 | 25.1 | 42 | 42.0 | 25.1 | 27.0 | 47 | 4.3 | -2.9 | 1.9 | 3.6 | 5.6 | |
| | 3 | 42.5 | 19.8 | 32.3 | 58 | 45.8 | 14.1 | 34.7 | 68 | 3.2 | -5.6 | 2.4 | 6.2 | 7.0 | |
| | 4 | 47.9 | 10.6 | 40.1 | 75 | 50.3 | 2.2 | 42.4 | 87 | 2.4 | -8.3 | 2.3 | 8.7 | 9.0 | |
| J | 5 | 55.0 | -1.7 | 50.7 | 92 | 53.5 | -8.0 | 48.6 | 99 | -1.4 | -6.2 | -2.0 | 6.7 | 6.8 | |
| | 6 | 52.4 | -15.5 | 44.1 | 110 | 49.7 | -15.8 | 40.0 | 112 | -2.5 | -0.2 | -4.0 | 4.1 | 4.9 | |
| | 7 | 45.5 | -23.2 | 31.0 | 127 | 46.5 | -22.8 | 32.1 | 126 | 1.0 | 0.4 | 1.1 | 1.2 | 1.6 | |
| | 8 | 40.2 | -29.1 | 20.9 | 145 | 43.1 | -29.3 | 24.1 | 141 | 2.9 | -0.1 | 3.2 | 3.2 | 4.3 | |
| G | 9 | 38.6 | -27.2 | 8.9 | 162 | 40.3 | -35.3 | 15.4 | 156 | 1.7 | -8.0 | 6.5 | 10.4 | 10.6 | |
| | 10 | 39.7 | -19.9 | -3.3 | 190 | 40.6 | -30.5 | 0.0 | 180 | 0.9 | -10.5 | 3.4 | 11.1 | 11.1 | |
| C | 11 | 40.5 | -15.1 | -11.4 | 217 | 41.5 | -24.3 | -10.5 | 203 | 1.0 | -9.1 | 0.9 | 9.2 | 9.3 | (Red-Yellow-Green-Blue)n cmY0: (R-J-G-B-R)n |
| B | 12 | 41.3 | -9.7 | -20.5 | 245 | 34.2 | -8.9 | -15.0 | 239 | -7.0 | 0.8 | 5.5 | 5.6 | 9.0 | |
| | 13 | 33.6 | 0.7 | -19.1 | 272 | 27.3 | 9.4 | -19.1 | 296 | -6.2 | 8.7 | 0.0 | 8.7 | 10.7 | |
| | 14 | 26.4 | 10.4 | -17.7 | 300 | 30.8 | 21.9 | -14.1 | 327 | 4.4 | 11.5 | 3.6 | 12.1 | 12.8 | |
| M | 15 | 30.6 | 19.0 | -11.5 | 329 | 36.8 | 36.5 | -3.1 | 355 | 6.2 | 17.5 | 8.4 | 19.4 | 20.4 | Mean CIELAB difference (17 steps) |
| | 16 | 36.9 | 31.3 | -1.7 | 357 | 36.5 | 35.4 | 6.7 | 11 | -0.3 | 4.1 | 8.5 | 9.4 | 9.4 | ΔH* _{CIELAB} = 7.5 |
| R | 17 | 36.7 | 30.5 | 14.2 | 25 | 37.0 | 34.9 | 18.3 | 28 | 0.2 | 4.4 | 4.1 | 6.0 | 6.0 | ΔE* _{CIELAB} = 8.6 |
| R | 18 | 36.7 | 30.5 | 14.2 | 25 | 39.2 | 34.5 | 20.8 | 31 | 2.4 | 4.0 | 6.6 | 7.7 | 8.1 | |
| J | 19 | 55.0 | -1.7 | 50.7 | 92 | 53.5 | -8.0 | 48.6 | 99 | -1.4 | -6.2 | -2.0 | 6.7 | 6.8 | |
| G | 20 | 38.6 | -27.2 | 8.9 | 162 | 40.3 | -35.3 | 15.4 | 156 | 1.7 | -8.0 | 6.5 | 10.4 | 10.6 | Mean CIELAB difference (5 steps) |
| B | 21 | 33.6 | 0.7 | -19.1 | 272 | 27.3 | 9.4 | -19.1 | 296 | -6.2 | 8.7 | 0.0 | 8.7 | 10.7 | ΔH* _{CIELAB} = 6.7 |
| R | 22 | 36.7 | 30.5 | 14.2 | 25 | 37.0 | 34.9 | 18.3 | 28 | 0.2 | 4.4 | 4.1 | 6.0 | 6.0 | ΔE* _{CIELAB} = 8.6 |

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De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out-ref | ΔH* | ΔE* | |
|---|----|-----------|---------|-----------|---------|---------------|-------|-------|-----|
| R | 1 | 71.8 | 31.8 | 14.8 | 25 | 69.1 | 30.4 | 34.2 | 48 |
| | 2 | 72.9 | 30.0 | 26.8 | 42 | 75.4 | 20.0 | 39.1 | 63 |
| | 3 | 78.2 | 21.0 | 34.3 | 58 | 81.0 | 9.4 | 43.4 | 78 |
| | 4 | 84.0 | 11.2 | 42.4 | 75 | 87.8 | -0.1 | 49.4 | 90 |
| J | 5 | 91.6 | -1.8 | 53.2 | 92 | 93.2 | -8.7 | 54.2 | 99 |
| | 6 | 85.3 | -14.3 | 40.5 | 110 | 85.6 | -13.5 | 41.8 | 108 |
| | 7 | 79.0 | -21.6 | 28.8 | 127 | 78.5 | -14.6 | 32.5 | 114 |
| | 8 | 74.1 | -27.4 | 19.6 | 145 | 72.4 | -17.9 | 23.5 | 127 |
| G | 9 | 72.2 | -27.5 | 9.0 | 162 | 68.3 | -22.4 | 16.9 | 143 |
| | 10 | 73.2 | -22.0 | -3.6 | 190 | 70.1 | -19.8 | 0.0 | 180 |
| C | 11 | 74.0 | -17.7 | -13.3 | 217 | 73.4 | -16.1 | -19.3 | 230 |
| | 12 | 72.2 | -10.2 | -21.4 | 245 | 63.8 | -3.2 | -20.6 | 261 |
| B | 13 | 64.7 | 0.7 | -19.2 | 272 | 55.0 | 7.7 | -24.5 | 287 |
| | 14 | 61.2 | 9.5 | -16.3 | 300 | 63.1 | 16.5 | -12.0 | 324 |
| M | 15 | 65.1 | 17.5 | -10.6 | 329 | 70.4 | 23.7 | 0.0 | 0 |
| | 16 | 71.2 | 30.2 | -1.6 | 357 | 67.5 | 27.0 | 17.5 | 33 |
| R | 17 | 71.8 | 31.8 | 14.8 | 25 | 67.7 | 32.3 | 33.3 | 46 |
| R | 18 | 71.8 | 31.8 | 14.8 | 25 | 69.1 | 30.4 | 34.2 | 48 |
| J | 19 | 91.6 | -1.8 | 53.2 | 92 | 93.2 | -8.7 | 54.2 | 99 |
| G | 20 | 72.2 | -27.5 | 9.0 | 162 | 68.3 | -22.4 | 16.9 | 143 |
| B | 21 | 64.7 | 0.7 | -19.2 | 272 | 55.0 | 7.7 | -24.5 | 287 |
| R | 22 | 71.8 | 31.8 | 14.8 | 25 | 67.7 | 32.3 | 33.3 | 46 |

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G

(Red–Yellow–Green–Blue)w
rgb: (R–J–G–B–R)w

Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 9.8$
 $\Delta E^*_{CIELAB} = 11.6$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 8.9$
 $\Delta E^*_{CIELAB} = 13.4$

De190–3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out-ref | ΔH* | ΔE* | |
|---|----|-----------|---------|-----------|---------|---------------|-------|-------|-----|
| R | 1 | 71.0 | 30.5 | 14.2 | 25 | 68.2 | 26.2 | 32.5 | 51 |
| | 2 | 72.0 | 28.1 | 25.1 | 42 | 74.7 | 15.5 | 37.8 | 68 |
| | 3 | 76.8 | 19.8 | 32.3 | 58 | 80.4 | 4.7 | 42.7 | 84 |
| | 4 | 82.1 | 10.6 | 40.1 | 75 | 87.3 | -5.0 | 49.1 | 96 |
| J | 5 | 89.2 | -1.7 | 50.7 | 92 | 92.9 | -13.7 | 54.2 | 104 |
| | 6 | 86.6 | -15.5 | 44.1 | 110 | 85.5 | -17.6 | 42.2 | 113 |
| | 7 | 79.7 | -23.2 | 31.0 | 127 | 78.5 | -18.0 | 33.0 | 119 |
| | 8 | 74.4 | -29.1 | 20.9 | 145 | 72.6 | -20.5 | 24.2 | 130 |
| G | 9 | 72.8 | -27.2 | 8.9 | 162 | 68.6 | -24.3 | 17.9 | 144 |
| | 10 | 74.0 | -19.9 | -3.3 | 190 | 70.6 | -19.8 | 1.2 | 177 |
| C | 11 | 74.7 | -15.1 | -11.4 | 217 | 74.1 | -13.4 | -17.9 | 233 |
| | 12 | 75.5 | -9.7 | -20.5 | 245 | 64.4 | -0.6 | -19.9 | 268 |
| B | 13 | 67.8 | 0.7 | -19.1 | 272 | 55.4 | 10.5 | -24.2 | 293 |
| | 14 | 60.6 | 10.4 | -17.7 | 300 | 63.0 | 17.3 | -12.5 | 324 |
| M | 15 | 64.8 | 19.0 | -11.5 | 329 | 70.0 | 23.0 | -1.0 | 357 |
| | 16 | 71.1 | 31.3 | -1.7 | 357 | 66.8 | 24.3 | 15.9 | 33 |
| R | 17 | 71.0 | 30.5 | 14.2 | 25 | 66.7 | 28.2 | 31.5 | 48 |
| R | 18 | 71.0 | 30.5 | 14.2 | 25 | 68.2 | 26.2 | 32.5 | 51 |
| J | 19 | 89.2 | -1.7 | 50.7 | 92 | 92.9 | -13.7 | 54.2 | 104 |
| G | 20 | 72.8 | -27.2 | 8.9 | 162 | 68.6 | -24.3 | 17.9 | 144 |
| B | 21 | 67.8 | 0.7 | -19.1 | 272 | 55.4 | 10.5 | -24.2 | 293 |
| R | 22 | 71.0 | 30.5 | 14.2 | 25 | 66.7 | 28.2 | 31.5 | 48 |

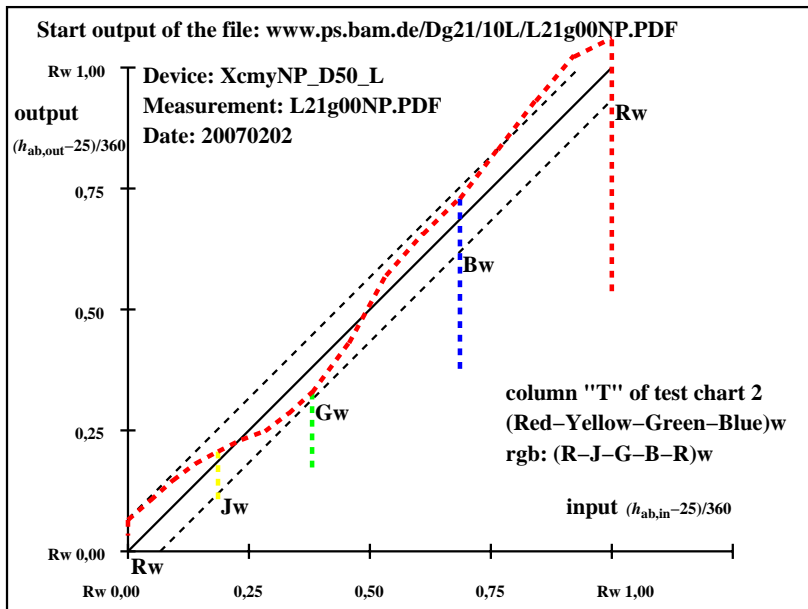
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G

(Red–Yellow–Green–Blue)w
cmy0: (R–J–G–B–R)w

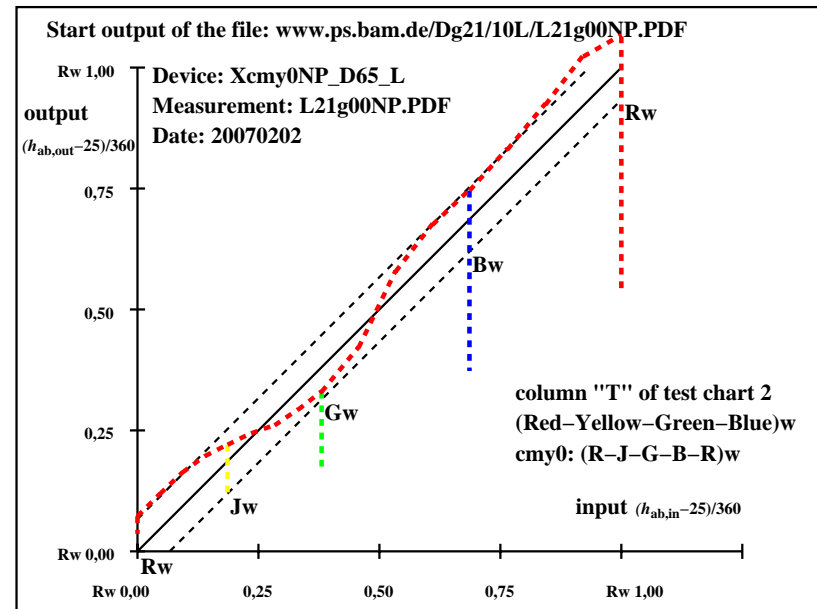
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 10.8$
 $\Delta E^*_{CIELAB} = 12.9$

Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 10.4$
 $\Delta E^*_{CIELAB} = 14.9$

De191–3N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190–7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



De191–7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 |
| | 2 | 27.2 | 0.1 | 7.0 | 89 | 25.1 | 0.3 | 7.5 |
| | 3 | 31.7 | 0.1 | 6.6 | 89 | 28.2 | 0.2 | 7.2 |
| | 4 | 36.3 | 0.1 | 6.1 | 89 | 33.3 | 0.2 | 6.6 |
| | 5 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 |
| | 6 | 45.4 | 0.1 | 5.2 | 89 | 43.3 | 0.1 | 5.6 |
| | 7 | 49.9 | 0.1 | 4.8 | 89 | 47.2 | 0.1 | 5.1 |
| | 8 | 54.5 | 0.1 | 4.3 | 89 | 52.6 | 0.0 | 4.7 |
| Z | 9 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 |
| | 10 | 63.5 | 0.0 | 3.4 | 89 | 63.4 | 0.0 | 3.4 |
| | 11 | 68.1 | 0.0 | 2.9 | 89 | 68.8 | 0.0 | 2.8 |
| | 12 | 72.6 | 0.0 | 2.5 | 89 | 73.5 | 0.0 | 2.6 |
| | 13 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 |
| | 14 | 81.7 | 0.0 | 1.6 | 89 | 81.7 | 0.0 | 1.7 |
| | 15 | 86.3 | 0.0 | 1.1 | 89 | 85.3 | 0.0 | 1.1 |
| | 16 | 90.8 | 0.0 | 0.7 | 89 | 88.9 | 0.0 | 0.7 |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |
| N | 18 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 |
| | 19 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 |
| Z | 20 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 |
| | 21 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |

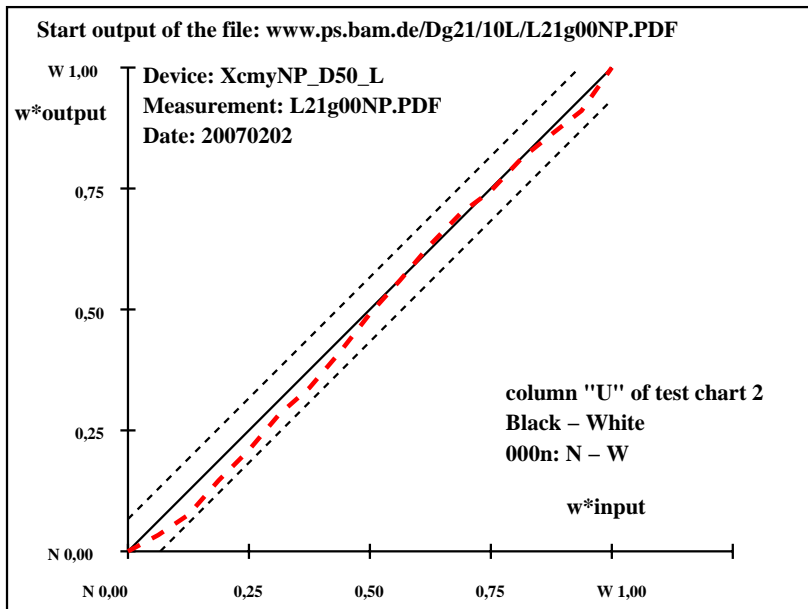
Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.36 - 22.65$
Regularity
 $g^* = 74.5$
Lightness gamut relative to offset
 $f^* = 93.9$
Black - White
000n: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 1.4$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 0.8$
Mean colour reproduction index: $R^*_{ab,m} = 94$

De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

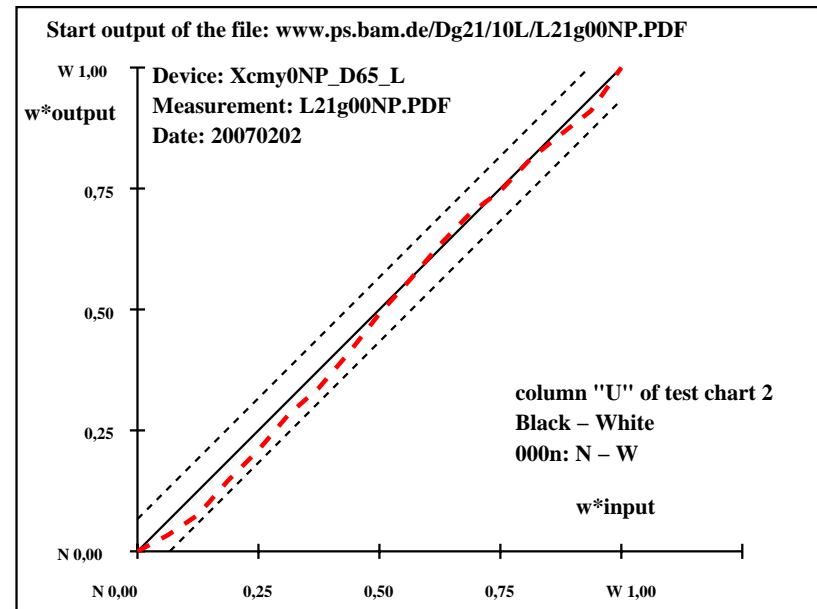
| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|
| N | 1 | 22.6 | 0.2 | 7.1 | 88 | 22.6 | 0.2 | 7.1 |
| | 2 | 27.2 | 0.2 | 6.7 | 88 | 25.1 | 0.3 | 7.2 |
| | 3 | 31.7 | 0.2 | 6.2 | 88 | 28.1 | 0.3 | 6.9 |
| | 4 | 36.3 | 0.2 | 5.8 | 88 | 33.3 | 0.2 | 6.3 |
| | 5 | 40.8 | 0.2 | 5.4 | 88 | 37.9 | 0.2 | 5.9 |
| | 6 | 45.4 | 0.1 | 4.9 | 88 | 43.2 | 0.1 | 5.3 |
| | 7 | 49.9 | 0.1 | 4.5 | 88 | 47.2 | 0.1 | 4.8 |
| | 8 | 54.5 | 0.1 | 4.1 | 88 | 52.6 | 0.1 | 4.4 |
| Z | 9 | 59.0 | 0.1 | 3.7 | 88 | 58.4 | 0.0 | 3.9 |
| | 10 | 63.6 | 0.1 | 3.2 | 88 | 63.4 | 0.1 | 3.2 |
| | 11 | 68.1 | 0.1 | 2.8 | 88 | 68.8 | 0.0 | 2.7 |
| | 12 | 72.7 | 0.1 | 2.4 | 88 | 73.5 | 0.0 | 2.5 |
| | 13 | 77.2 | 0.1 | 1.9 | 89 | 76.9 | 0.1 | 1.9 |
| | 14 | 81.8 | 0.0 | 1.5 | 89 | 81.7 | 0.0 | 1.6 |
| | 15 | 86.3 | 0.0 | 1.1 | 89 | 85.4 | 0.0 | 1.0 |
| | 16 | 90.9 | 0.0 | 0.6 | 89 | 88.9 | 0.0 | 0.7 |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |
| N | 18 | 22.6 | 0.2 | 7.1 | 88 | 22.6 | 0.2 | 7.1 |
| | 19 | 40.8 | 0.2 | 5.4 | 88 | 37.9 | 0.2 | 5.9 |
| Z | 20 | 59.0 | 0.1 | 3.7 | 88 | 58.4 | 0.0 | 3.9 |
| | 21 | 77.2 | 0.1 | 1.9 | 89 | 76.9 | 0.1 | 1.9 |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 |

Start output S1
Specification according to
ISO/IEC 15775:1999 Annex G
and DIN 33866-1:2000 Annex G
relative CIELAB data used for "out"
 $\Delta L^* = 95.42 - 22.63$
Regularity
 $g^* = 74.4$
Lightness gamut relative to offset
 $f^* = 94.0$
Black - White
000n: N - W
Mean CIELAB difference (17 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 1.4$
Mean CIELAB difference (5 steps)
 $\Delta H^*_{CIELAB} = 0.2$
 $\Delta E^*_{CIELAB} = 0.8$
Mean colour reproduction index: $R^*_{ab,m} = 94$

De191-3N, ; Device: XcmyNP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202



De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



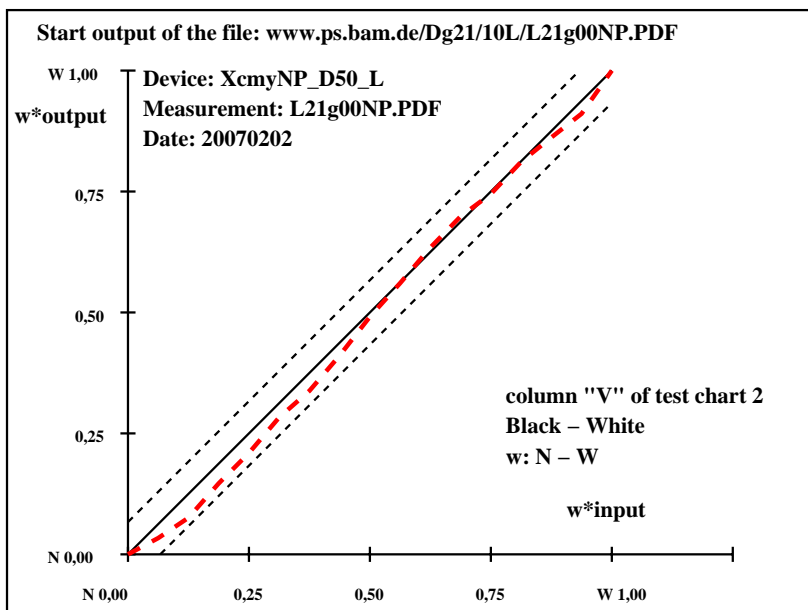
De191-7N, ; Device: XcmyNP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

See for similar files: <http://www.ps.bam.de/De19/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

BAM registration: 20080301-De19/10L/L19E0LNA.PS.TXT BAM material: code=rha4ta
- application for output of monitor, data projector, or printer systems

| T | i | LAB*a _{ref} | | hab _{ref} | | LAB*a _{out} | | hab _{out} | | LAB*a _{out} /c-refΔH* ΔE* | | | | Start output S1 | | | |
|---------------------------------|----|----------------------|-----|--------------------|----|----------------------|-----|--------------------|----|------------------------------------|-----|-----|-----|-----------------|-------------------------------------|-------------------------|--|
| N | 1 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to | | |
| | 2 | 27.2 | 0.1 | 7.0 | 89 | 25.1 | 0.3 | 7.5 | 88 | -2.0 | 0.2 | 0.5 | 0.5 | 2.2 | ISO/IEC 15775:1999 Annex G | | |
| | 3 | 31.7 | 0.1 | 6.6 | 89 | 28.2 | 0.2 | 7.2 | 88 | -3.5 | 0.1 | 0.6 | 0.6 | 3.6 | and DIN 33866-1:2000 Annex G | | |
| | 4 | 36.3 | 0.1 | 6.1 | 89 | 33.3 | 0.2 | 6.6 | 88 | -2.9 | 0.1 | 0.5 | 0.5 | 3.0 | relative CIELAB data used for "out" | | |
| | 5 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 | 88 | -2.8 | 0.1 | 0.5 | 0.5 | 3.0 | ΔL* = 95.36 – 22.65 | | |
| | 6 | 45.4 | 0.1 | 5.2 | 89 | 43.3 | 0.1 | 5.6 | 89 | -2.0 | 0.0 | 0.4 | 0.4 | 2.2 | Regularity | | |
| | 7 | 49.9 | 0.1 | 4.8 | 89 | 47.2 | 0.1 | 5.1 | 89 | -2.6 | 0.0 | 0.3 | 0.3 | 2.7 | g* = 74.5 | | |
| | 8 | 54.5 | 0.1 | 4.3 | 89 | 52.6 | 0.0 | 4.7 | 90 | -1.8 | 0.0 | 0.4 | 0.4 | 1.9 | | | |
| Z | 9 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 | 90 | -0.5 | 0.0 | 0.3 | 0.3 | 0.7 | Lightness gamut relative to offset | | |
| | 10 | 63.5 | 0.0 | 3.4 | 89 | 63.4 | 0.0 | 3.4 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | f* = 93.9 | | |
| | 11 | 68.1 | 0.0 | 2.9 | 89 | 68.8 | 0.0 | 2.8 | 90 | 0.7 | 0.0 | 0.0 | 0.1 | 0.7 | | | |
| | 12 | 72.6 | 0.0 | 2.5 | 89 | 73.5 | 0.0 | 2.6 | 90 | 0.8 | 0.0 | 0.1 | 0.1 | 0.8 | Black – White | | |
| | 13 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 | 90 | -0.3 | 0.0 | 0.0 | 0.0 | 0.4 | w: N – W | | |
| | 14 | 81.7 | 0.0 | 1.6 | 89 | 81.7 | 0.0 | 1.7 | 90 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | | | |
| | 15 | 86.3 | 0.0 | 1.1 | 89 | 85.3 | 0.0 | 1.1 | 90 | -0.9 | 0.0 | 0.0 | 0.0 | 1.0 | Mean CIELAB difference (17 steps) | | |
| | 16 | 90.8 | 0.0 | 0.7 | 89 | 88.9 | 0.0 | 0.7 | 90 | -1.9 | 0.0 | 0.0 | 0.0 | 2.0 | ΔH* _{CIELAB} = 0.2 | | |
| W | 17 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 1.4 | | |
| | 18 | 22.7 | 0.1 | 7.5 | 89 | 22.7 | 0.1 | 7.5 | 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | 19 | 40.8 | 0.1 | 5.7 | 89 | 37.9 | 0.2 | 6.2 | 88 | -2.8 | 0.1 | 0.5 | 0.5 | 3.0 | | | |
| Z | 20 | 59.0 | 0.1 | 3.9 | 89 | 58.4 | 0.0 | 4.1 | 90 | -0.5 | 0.0 | 0.3 | 0.3 | 0.7 | Mean CIELAB difference (5 steps) | | |
| | 21 | 77.2 | 0.0 | 2.0 | 89 | 76.8 | 0.0 | 2.0 | 90 | -0.3 | 0.0 | 0.0 | 0.0 | 0.4 | ΔH* _{CIELAB} = 0.2 | | |
| W | 22 | 95.4 | 0.0 | 0.2 | 90 | 95.4 | 0.0 | 0.2 | 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 0.8 | | |
| Mean colour reproduction index: | | | | | | | | | | | | | | | | R* _{ab,m} = 94 | |

De190-3N.; Device: XcmyNP D50 L; Measurement: L21g00NP.PDF; Date: 20070202

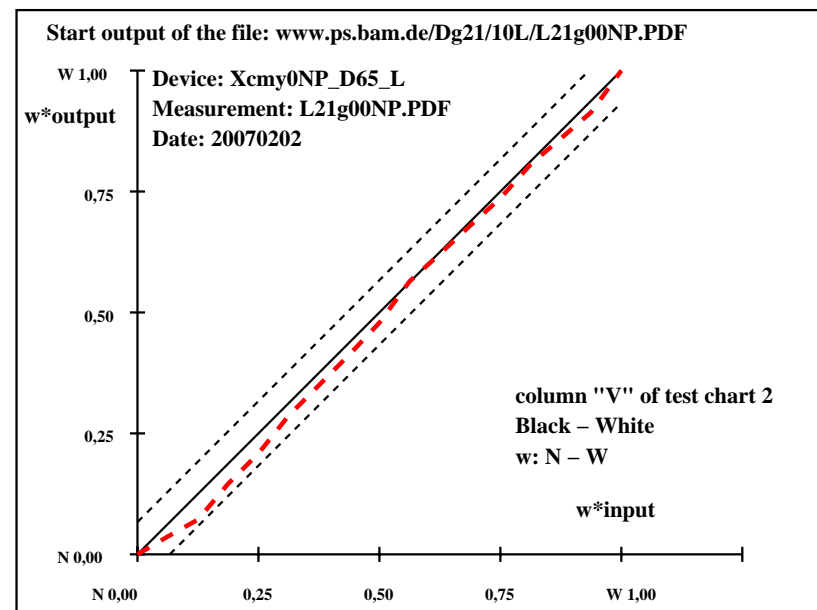


De190-7N.; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

Output specification of the test chart 2 according to DIN 33872-1
17 step colour scale "V"; D50 and D65 illuminant, Page 22/24

| T | i | LAB*a _{ref} | | hab.ref | LAB*a _{out} | | hab.out | LAB*a _{out,c/ref} | | | | ΔH* | ΔE* | Start output S1 | |
|---------------------------------|----|----------------------|-----|---------|----------------------|------|---------|----------------------------|-----|-------------------------|-----|-----|-----|-----------------|-------------------------------------|
| N | 1 | 21.3 | 0.0 | -0.1 | 243 | 21.3 | 0.0 | -0.1 | 243 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 25.9 | 0.0 | -0.1 | 242 | 24.0 | 0.0 | 0.0 | 270 | -1.8 | 0.1 | 0.1 | 0.1 | 1.9 | ISO/IEC 15775:1999 Annex G |
| | 3 | 30.6 | 0.0 | -0.1 | 240 | 26.6 | 0.0 | 0.0 | 0 | -3.9 | 0.1 | 0.2 | 0.2 | 4.0 | and DIN 33866-1:2000 Annex G |
| | 4 | 35.2 | 0.0 | -0.1 | 238 | 32.1 | 0.0 | 0.0 | 0 | -3.0 | 0.1 | 0.2 | 0.2 | 3.1 | relative CIELAB data used for "out" |
| | 5 | 39.8 | 0.0 | -0.1 | 236 | 36.8 | 0.0 | 0.1 | 90 | -3.0 | 0.1 | 0.3 | 0.3 | 3.1 | ΔL* = 95.51 – 21.27 |
| | 6 | 44.5 | 0.0 | 0.0 | 234 | 42.6 | 0.0 | 0.0 | 270 | -1.8 | 0.1 | 0.0 | 0.1 | 1.9 | Regularity |
| | 7 | 49.1 | 0.0 | 0.0 | 231 | 47.2 | 0.0 | 0.0 | 0 | -1.8 | 0.1 | 0.1 | 0.2 | 1.9 | g* = 77.3 |
| | 8 | 53.8 | 0.0 | 0.0 | 228 | 51.9 | 0.0 | 0.1 | 90 | -1.8 | 0.1 | 0.2 | 0.2 | 1.9 | |
| Z | 9 | 58.4 | 0.0 | 0.0 | 225 | 56.8 | 0.0 | 0.3 | 108 | -1.5 | 0.0 | 0.4 | 0.4 | 1.6 | Lightness gamut relative to offset |
| | 10 | 63.0 | 0.0 | 0.0 | 221 | 63.2 | 0.0 | 0.0 | 180 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | f* = 95.9 |
| | 11 | 67.7 | 0.0 | 0.0 | 217 | 67.4 | 0.0 | 0.0 | 0 | -0.2 | 0.1 | 0.1 | 0.1 | 0.3 | |
| | 12 | 72.3 | 0.0 | 0.0 | 212 | 71.7 | 0.0 | 0.3 | 90 | -0.5 | 0.1 | 0.4 | 0.4 | 0.7 | Black – White |
| | 13 | 77.0 | 0.0 | 0.0 | 207 | 75.9 | 0.0 | 0.1 | 90 | -0.9 | 0.1 | 0.2 | 0.2 | 1.0 | w: N – W |
| | 14 | 81.6 | 0.0 | 0.0 | 201 | 81.1 | 0.0 | 0.1 | 90 | -0.4 | 0.1 | 0.1 | 0.2 | 0.5 | |
| | 15 | 86.2 | 0.0 | 0.0 | 194 | 85.1 | 0.0 | 0.1 | 90 | -1.0 | 0.1 | 0.1 | 0.2 | 1.2 | Mean CIELAB difference (17 steps) |
| | 16 | 90.9 | 0.0 | 0.0 | 187 | 89.1 | 0.0 | 0.0 | 0 | -1.7 | 0.1 | 0.0 | 0.1 | 1.8 | ΔH* _{CIELAB} = 0.2 |
| W | 17 | 95.5 | 0.0 | 0.0 | 180 | 95.5 | 0.0 | 0.0 | 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 1.5 |
| N | 18 | 21.3 | 0.0 | -0.1 | 243 | 21.3 | 0.0 | -0.1 | 243 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 39.8 | 0.0 | -0.1 | 236 | 36.8 | 0.0 | 0.1 | 90 | -3.0 | 0.1 | 0.3 | 0.3 | 3.1 | |
| Z | 20 | 58.4 | 0.0 | 0.0 | 225 | 56.8 | 0.0 | 0.3 | 108 | -1.5 | 0.0 | 0.4 | 0.4 | 1.6 | Mean CIELAB difference (5 steps) |
| | 21 | 77.0 | 0.0 | 0.0 | 207 | 75.9 | 0.0 | 0.1 | 90 | -0.9 | 0.1 | 0.2 | 0.2 | 1.0 | ΔH* _{CIELAB} = 0.2 |
| W | 22 | 95.5 | 0.0 | 0.0 | 180 | 95.5 | 0.0 | 0.0 | 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ΔE* _{CIELAB} = 1.1 |
| Mean colour reproduction index: | | | | | | | | | | R* _{ab,m} = 94 | | | | | |

Del91-3N.; Device: Xcmv0NP D65 L; Measurement: L21g00NP.PDF; Date: 20070202



Del91-7N.; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

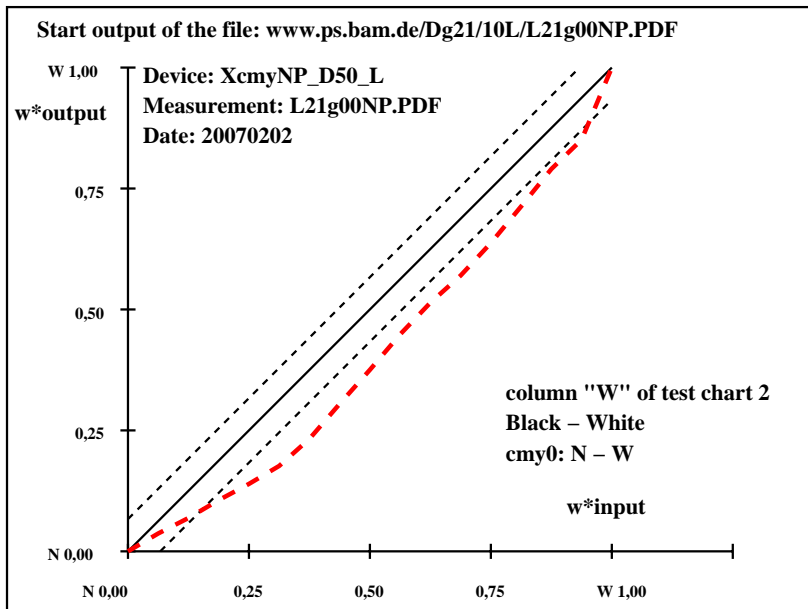
input: *cmy0 setcmykcolor*
output: no change compared to input

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|-----|-----|------|---|-----|-----|-----|
| N | 1 | 26.8 | 0.0 | 0.0 | 0 | 26.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 2 | 31.1 | 0.0 | 0.0 | 0 | 29.1 | -0.3 | 1.0 | 112 | -1.9 | -0.3 | 1.0 | 1.1 | 2.3 | Specification according to | | | |
| | 3 | 35.4 | 0.0 | 0.0 | 0 | 31.3 | -1.1 | 0.9 | 143 | -4.0 | -1.1 | 0.9 | 1.5 | 4.4 | ISO/IEC 15775:1999 Annex G | | | |
| | 4 | 39.7 | 0.0 | 0.0 | 0 | 33.9 | -1.3 | 0.3 | 168 | -5.6 | -1.3 | 0.3 | 1.4 | 5.9 | and DIN 33866-1:2000 Annex G | | | |
| | 5 | 43.9 | 0.0 | 0.0 | 0 | 36.1 | -1.2 | 1.8 | 126 | -7.7 | -1.2 | 1.8 | 2.2 | 8.2 | relative CIELAB data used for "out" | | | |
| | 6 | 48.2 | 0.0 | 0.0 | 0 | 38.7 | -1.0 | 1.9 | 120 | -9.4 | -1.0 | 1.9 | 2.2 | 9.8 | $\Delta L^* = 95.34 - 26.8$ | | | |
| | 7 | 52.5 | 0.0 | 0.0 | 0 | 42.5 | -0.4 | 2.9 | 100 | -9.9 | -0.4 | 2.9 | 2.9 | 10.5 | Regularity | | | |
| | 8 | 56.8 | 0.0 | 0.0 | 0 | 47.2 | -1.4 | 4.4 | 109 | -9.5 | -1.4 | 4.4 | 4.6 | 10.7 | $g^* = 36.7$ | | | |
| Z | 9 | 61.1 | 0.0 | 0.0 | 0 | 51.8 | -0.4 | 6.0 | 95 | -9.2 | -0.4 | 6.0 | 6.0 | 11.1 | Lightness gamut relative to offset | | | |
| | 10 | 65.4 | 0.0 | 0.0 | 0 | 56.7 | 0.0 | 7.1 | 90 | -8.5 | 0.0 | 7.1 | 7.1 | 11.2 | $f^* = 88.6$ | | | |
| | 11 | 69.6 | 0.0 | 0.0 | 0 | 61.3 | 0.5 | 7.2 | 86 | -8.3 | 0.5 | 7.2 | 7.2 | 11.0 | Black - White | | | |
| | 12 | 73.9 | 0.0 | 0.0 | 0 | 65.3 | 0.2 | 6.5 | 88 | -8.5 | 0.2 | 6.5 | 6.5 | 10.8 | cmy0: N - W | | | |
| | 13 | 78.2 | 0.0 | 0.0 | 0 | 70.0 | 0.7 | 6.4 | 84 | -8.1 | 0.7 | 6.4 | 6.4 | 10.4 | Mean CIELAB difference (17 steps) | | | |
| | 14 | 82.5 | 0.0 | 0.0 | 0 | 75.3 | 0.8 | 5.9 | 82 | -7.1 | 0.8 | 5.9 | 6.0 | 9.3 | $\Delta H^{*CIELAB} = 3.7$ | | | |
| | 15 | 86.8 | 0.0 | 0.0 | 0 | 80.7 | -0.4 | 5.2 | 95 | -6.0 | -0.4 | 5.2 | 5.2 | 8.0 | $\Delta E^{*CIELAB} = 7.6$ | | | |
| W | 16 | 91.1 | 0.0 | 0.0 | 0 | 85.1 | 0.7 | 1.9 | 70 | -5.9 | 0.7 | 1.9 | 2.0 | 6.3 | $\Delta H^{*CIELAB} = 3.7$ | | | |
| | 17 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 7.6$ | | | |
| N | 18 | 26.8 | 0.0 | 0.0 | 0 | 26.8 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 67$ | | | |
| | 19 | 43.9 | 0.0 | 0.0 | 0 | 36.1 | -1.2 | 1.8 | 126 | -7.7 | -1.2 | 1.8 | 2.2 | 8.2 | | | | |
| Z | 20 | 61.1 | 0.0 | 0.0 | 0 | 51.8 | -0.4 | 6.0 | 95 | -9.2 | -0.4 | 6.0 | 6.0 | 11.1 | Mean CIELAB difference (5 steps) | | | |
| | 21 | 78.2 | 0.0 | 0.0 | 0 | 70.0 | 0.7 | 6.4 | 84 | -8.1 | 0.7 | 6.4 | 6.4 | 10.4 | $\Delta H^{*CIELAB} = 2.9$ | | | |
| W | 22 | 95.3 | 0.0 | 0.0 | 0 | 95.3 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 5.9$ | | | |

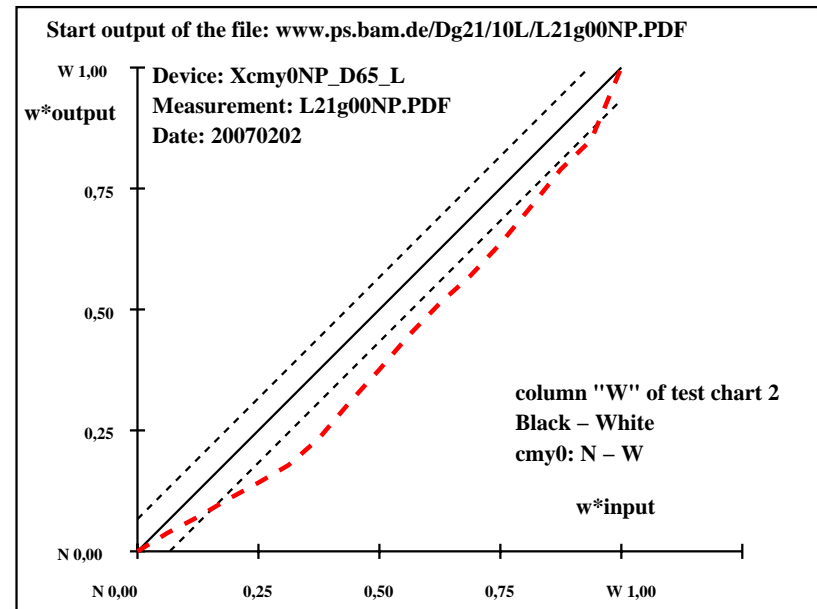
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-ref | ΔH^* | ΔE^* | Start output S1 | | | | | | | | | |
|---|----|-----------|---------|-----------|---------|-----------------|--------------|--------------|-----------------|------|------|-----|-----|------|---|-----|-----|-----|
| N | 1 | 26.9 | 0.0 | 0.0 | 0 | 26.9 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 2 | 31.2 | 0.0 | 0.0 | 0 | 29.2 | -0.6 | 1.1 | 122 | -1.9 | -0.6 | 1.1 | 1.3 | 2.4 | Specification according to | | | |
| | 3 | 35.5 | 0.0 | 0.0 | 0 | 31.4 | -1.5 | 1.0 | 148 | -4.0 | -1.5 | 1.0 | 1.9 | 4.5 | ISO/IEC 15775:1999 Annex G | | | |
| | 4 | 39.8 | 0.0 | 0.0 | 0 | 34.1 | -1.7 | 0.5 | 164 | -5.6 | -1.7 | 0.5 | 1.9 | 6.0 | and DIN 33866-1:2000 Annex G | | | |
| | 5 | 44.1 | 0.0 | 0.0 | 0 | 36.2 | -1.9 | 2.0 | 135 | -7.7 | -1.9 | 2.0 | 2.8 | 8.3 | relative CIELAB data used for "out" | | | |
| | 6 | 48.3 | 0.0 | 0.0 | 0 | 38.8 | -1.7 | 2.1 | 131 | -9.4 | -1.7 | 2.1 | 2.8 | 9.9 | $\Delta L^* = 95.41 - 26.94$ | | | |
| | 7 | 52.6 | 0.0 | 0.0 | 0 | 42.6 | -1.3 | 3.0 | 115 | -9.9 | -1.3 | 3.0 | 3.3 | 10.6 | Regularity | | | |
| | 8 | 56.9 | 0.0 | 0.0 | 0 | 47.3 | -2.5 | 4.6 | 119 | -9.5 | -2.5 | 4.6 | 5.3 | 11.0 | $g^* = 36.6$ | | | |
| Z | 9 | 61.2 | 0.0 | 0.0 | 0 | 51.9 | -1.7 | 6.1 | 106 | -9.2 | -1.7 | 6.1 | 6.4 | 11.3 | Lightness gamut relative to offset | | | |
| | 10 | 65.5 | 0.0 | 0.0 | 0 | 56.7 | -1.3 | 7.2 | 101 | -8.6 | -1.3 | 7.2 | 7.3 | 11.4 | $f^* = 88.5$ | | | |
| | 11 | 69.7 | 0.0 | 0.0 | 0 | 61.3 | -0.7 | 7.2 | 96 | -8.3 | -0.7 | 7.2 | 7.2 | 11.1 | Black - White | | | |
| | 12 | 74.0 | 0.0 | 0.0 | 0 | 65.4 | -0.8 | 6.5 | 98 | -8.6 | -0.8 | 6.5 | 6.6 | 10.9 | cmy0: N - W | | | |
| | 13 | 78.3 | 0.0 | 0.0 | 0 | 70.0 | -0.3 | 6.3 | 94 | -8.2 | -0.3 | 6.3 | 6.3 | 10.4 | Mean CIELAB difference (17 steps) | | | |
| | 14 | 82.6 | 0.0 | 0.0 | 0 | 75.3 | -0.1 | 5.9 | 92 | -7.2 | -0.1 | 5.9 | 5.9 | 9.4 | $\Delta H^{*CIELAB} = 3.9$ | | | |
| | 15 | 86.9 | 0.0 | 0.0 | 0 | 80.8 | -1.2 | 5.2 | 104 | -6.0 | -1.2 | 5.2 | 5.4 | 8.1 | $\Delta E^{*CIELAB} = 7.7$ | | | |
| W | 16 | 91.1 | 0.0 | 0.0 | 0 | 85.1 | 0.3 | 1.9 | 81 | -5.9 | 0.3 | 1.9 | 1.9 | 6.3 | $\Delta H^{*CIELAB} = 3.9$ | | | |
| | 17 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 7.7$ | | | |
| N | 18 | 26.9 | 0.0 | 0.0 | 0 | 26.9 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean colour reproduction index: $R^*_{ab,m} = 66$ | | | |
| | 19 | 44.1 | 0.0 | 0.0 | 0 | 36.2 | -1.9 | 2.0 | 135 | -7.7 | -1.9 | 2.0 | 2.8 | 8.3 | | | | |
| Z | 20 | 61.2 | 0.0 | 0.0 | 0 | 51.9 | -1.7 | 6.1 | 106 | -9.2 | -1.7 | 6.1 | 6.4 | 11.3 | Mean CIELAB difference (5 steps) | | | |
| | 21 | 78.3 | 0.0 | 0.0 | 0 | 70.0 | -0.3 | 6.3 | 94 | -8.2 | -0.3 | 6.3 | 6.3 | 10.4 | $\Delta H^{*CIELAB} = 3.1$ | | | |
| W | 22 | 95.4 | 0.0 | 0.0 | 0 | 95.4 | 0.0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^{*CIELAB} = 6.0$ | | | |

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De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



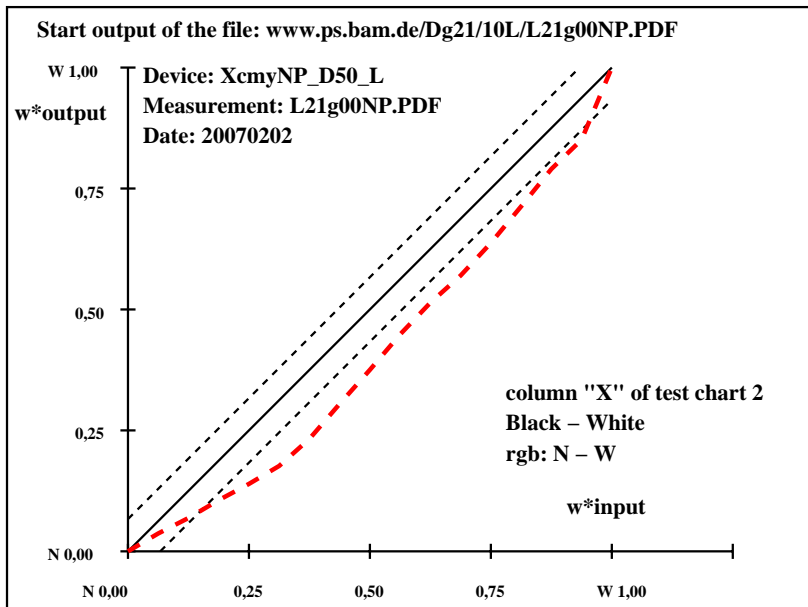
De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-refΔH* | ΔE* | Start output S1 |
|---|----|-----------|---------|-----------|---------|--------------------|-----|-------------------------------------|
| N | 1 | 26.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 31.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G |
| | 3 | 35.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | and DIN 33866-1:2000 Annex G |
| | 4 | 39.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | relative CIELAB data used for "out" |
| | 5 | 43.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta L^* = 95.34 - 26.8$ |
| | 6 | 48.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Regularity |
| | 7 | 52.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $g^* = 36.7$ |
| | 8 | 56.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Z | 9 | 61.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Lightness gamut relative to offset |
| | 10 | 65.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $f^* = 88.6$ |
| | 11 | 69.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 12 | 73.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Black - White |
| | 13 | 78.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | rgb: N - W |
| | 14 | 82.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (17 steps) |
| | 15 | 86.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta H^*_{CIELAB} = 3.7$ |
| | 16 | 91.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 7.6$ |
| W | 17 | 95.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| N | 18 | 26.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 43.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Z | 20 | 61.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) |
| | 21 | 78.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta H^*_{CIELAB} = 2.9$ |
| W | 22 | 95.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 5.9$ |
| Mean colour reproduction index: $R^*_{ab,m} = 67$ | | | | | | | | |

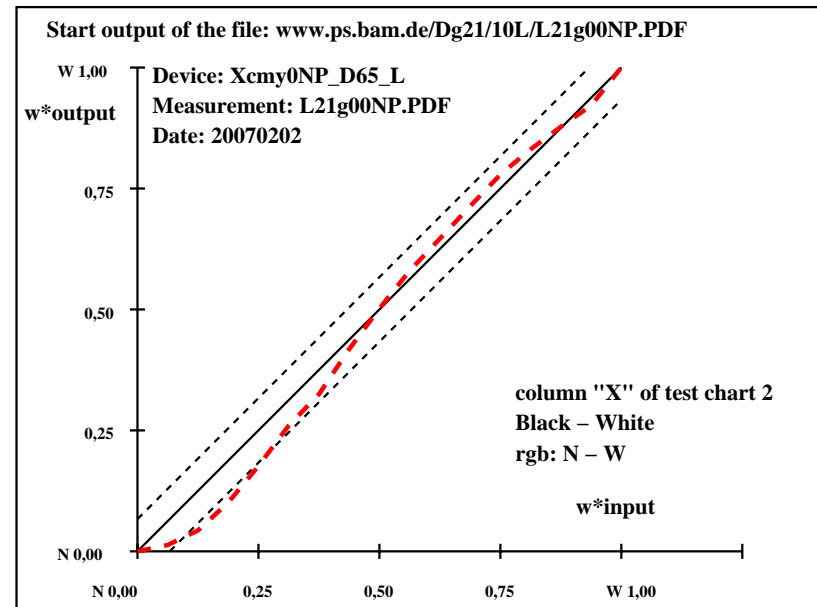
De190-3N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202

| T | i | LAB*a,ref | hab,ref | LAB*a,out | hab,out | LAB*a,out/c-refΔH* | ΔE* | Start output S1 |
|---|----|-----------|---------|-----------|---------|--------------------|-----|-------------------------------------|
| N | 1 | 21.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Specification according to |
| | 2 | 26.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ISO/IEC 15775:1999 Annex G |
| | 3 | 30.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | and DIN 33866-1:2000 Annex G |
| | 4 | 35.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | relative CIELAB data used for "out" |
| | 5 | 40.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta L^* = 95.46 - 21.66$ |
| | 6 | 44.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Regularity |
| | 7 | 49.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $g^* = 54.2$ |
| | 8 | 53.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Z | 9 | 58.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Lightness gamut relative to offset |
| | 10 | 63.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $f^* = 95.3$ |
| | 11 | 67.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 12 | 72.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Black - White |
| | 13 | 77.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | rgb: N - W |
| | 14 | 81.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (17 steps) |
| | 15 | 86.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta H^*_{CIELAB} = 0.1$ |
| | 16 | 90.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 2.4$ |
| W | 17 | 95.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| N | 18 | 21.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 19 | 40.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Z | 20 | 58.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Mean CIELAB difference (5 steps) |
| | 21 | 77.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta H^*_{CIELAB} = 0.1$ |
| W | 22 | 95.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | $\Delta E^*_{CIELAB} = 1.6$ |
| Mean colour reproduction index: $R^*_{ab,m} = 90$ | | | | | | | | |

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De190-7N, ; Device: XcmyNP_D50_L; Measurement: L21g00NP.PDF; Date: 20070202



De191-7N, ; Device: Xcmy0NP_D65_L; Measurement: L21g00NP.PDF; Date: 20070202