

# Colorimetric Report

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|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Tuesday, March 16, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI Pro MP271QP                         |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | sRGB                                    |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|                                     |                          |
|-------------------------------------|--------------------------|
| White Point (CCT)                   | 6310 Kelvin              |
| White Point XYZ (normalized)        | 95.05 100.00 105.81      |
| DeltaE to D50/ D65                  | 17.44/ 1.90              |
| Assumed Target Whitepoint (2)       | 6300 Kelvin              |
| DeltaE to Assumed Target Whitepoint | 0.10                     |
| Brightness                          | 206.27 cd/m <sup>2</sup> |
| Black Point                         | 0.24 cd/m <sup>2</sup>   |
| Contrast (x:1)                      | 859:1                    |
| Gradation (Average)                 | 2.28                     |

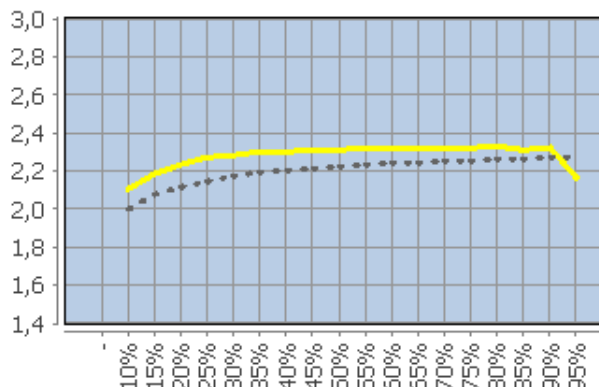
(2) Daylight

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 6845   | 1.23    | 2.13    | 2.10  |
|  | 15          | 6487   | 0.53    | 2.09    | 2.18  |
|  | 20          | 6305   | 0.18    | 2.26    | 2.23  |
|  | 25          | 6229   | 0.26    | 2.28    | 2.27  |
|  | 30          | 6151   | 0.64    | 2.19    | 2.28  |
|  | 35          | 6164   | 0.66    | 2.16    | 2.30  |
|  | 40          | 6159   | 0.86    | 1.91    | 2.30  |
|  | 45          | 6183   | 0.63    | 1.73    | 2.31  |
|  | 50          | 6166   | 0.97    | 1.67    | 2.31  |
|  | 55          | 6170   | 0.91    | 1.53    | 2.32  |
|  | 60          | 6166   | 1.10    | 1.50    | 2.32  |
|  | 65          | 6189   | 0.93    | 1.27    | 2.32  |
|  | 70          | 6206   | 0.96    | 1.22    | 2.32  |
|  | 75          | 6206   | 1.09    | 1.24    | 2.32  |
|  | 80          | 6214   | 0.97    | 1.07    | 2.33  |
|  | 85          | 6224   | 0.95    | 0.98    | 2.31  |
|  | 90          | 6247   | 0.78    | 0.80    | 2.32  |
|  | 95          | 6253   | 0.68    | 0.71    | 2.16  |
|  | 100 (3)     | 6310   | -       | -       | -     |
|  | Average (4) | -      | 0.77    | 1.57    | 2.28  |
|  | Maximum (4) | -      | 1.1     | 2.28    | -     |
|  | Range (4)   | -      | 1.63    | -       | -     |

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

### Corresponding Gamma



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| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | sRGB                                    |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB        | Delta C | Delta H | Delta L | Delta E94 |
|--|------------|---------|---------|---------|-----------|
|  | 0 0 0      | 1.70    | 0.00    | 1.05    | 2.00      |
|  | 0 0 63     | 2.52    | 1.06    | 0.31    | 1.11      |
|  | 0 0 127    | 8.11    | 5.89    | 2.68    | 4.18      |
|  | 0 0 191    | 15.91   | 8.93    | 3.60    | 5.66      |
|  | 0 0 255    | 24.85   | 12.29   | 4.37    | 6.95      |
|  | 0 63 0     | 0.20    | 2.27    | 2.02    | 2.45      |
|  | 0 63 63    | 0.65    | 0.87    | 2.20    | 2.33      |
|  | 0 63 127   | 4.25    | 4.68    | 2.83    | 4.29      |
|  | 0 63 191   | 12.34   | 8.31    | 3.50    | 5.82      |
|  | 0 63 255   | 21.47   | 11.91   | 4.14    | 7.01      |
|  | 0 127 0    | 11.58   | 1.48    | 1.16    | 3.07      |
|  | 0 127 63   | 9.18    | 1.64    | 1.09    | 3.08      |
|  | 0 127 127  | 3.27    | 2.27    | 1.40    | 2.52      |
|  | 0 127 191  | 2.52    | 2.83    | 1.83    | 2.67      |
|  | 0 127 255  | 10.14   | 7.76    | 2.31    | 4.94      |
|  | 0 191 0    | 19.92   | 3.01    | 0.01    | 3.93      |
|  | 0 191 63   | 17.21   | 2.35    | 0.06    | 3.76      |
|  | 0 191 127  | 11.59   | 1.99    | 0.14    | 3.33      |
|  | 0 191 191  | 5.07    | 2.70    | 0.46    | 2.51      |
|  | 0 191 255  | 2.85    | 2.16    | 0.83    | 1.78      |
|  | 0 255 0    | 27.33   | 3.63    | 1.36    | 4.67      |
|  | 0 255 63   | 24.79   | 2.73    | 1.30    | 4.46      |
|  | 0 255 127  | 18.99   | 1.36    | 1.14    | 3.97      |
|  | 0 255 191  | 13.40   | 2.23    | 0.87    | 3.63      |
|  | 0 255 255  | 6.85    | 2.41    | 0.47    | 2.56      |
|  | 63 0 0     | 1.80    | 4.39    | 1.19    | 3.25      |
|  | 63 0 63    | 2.00    | 0.89    | 1.91    | 2.10      |
|  | 63 0 127   | 8.33    | 3.69    | 2.93    | 3.91      |
|  | 63 0 191   | 15.62   | 7.11    | 3.70    | 5.38      |
|  | 63 0 255   | 24.42   | 10.88   | 4.41    | 6.73      |
|  | 63 63 0    | 1.09    | 1.02    | 2.26    | 2.39      |
|  | 63 63 63   | 0.20    | 0.02    | 2.33    | 2.34      |
|  | 63 63 127  | 5.34    | 3.02    | 2.84    | 3.89      |
|  | 63 63 191  | 12.49   | 6.61    | 3.45    | 5.37      |
|  | 63 63 255  | 21.06   | 10.46   | 4.07    | 6.64      |
|  | 63 127 0   | 11.56   | 0.07    | 1.16    | 3.17      |
|  | 63 127 63  | 9.24    | 0.02    | 1.07    | 3.24      |
|  | 63 127 127 | 3.08    | 1.85    | 1.32    | 2.49      |
|  | 63 127 191 | 2.98    | 2.15    | 1.75    | 2.45      |
|  | 63 127 255 | 10.24   | 6.79    | 2.22    | 4.59      |
|  | 63 191 0   | 20.08   | 1.86    | 0.00    | 3.98      |
|  | 63 191 63  | 17.00   | 1.28    | 0.07    | 3.77      |
|  | 63 191 127 | 11.44   | 1.19    | 0.10    | 3.38      |
|  | 63 191 191 | 5.30    | 2.60    | 0.41    | 2.69      |
|  | 63 191 255 | 3.00    | 1.60    | 0.77    | 1.60      |
|  | 63 255 0   | 27.42   | 2.78    | 1.26    | 4.67      |
|  | 63 255 63  | 24.44   | 1.95    | 1.22    | 4.41      |

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| Date             | Tuesday, March 16, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI Pro MP271QP                         |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | sRGB                                    |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB         | Delta C | Delta H | Delta L | Delta E94 |
|--|-------------|---------|---------|---------|-----------|
|  | 63 255 127  | 18.43   | 0.68    | 1.07    | 3.91      |
|  | 63 255 191  | 13.06   | 1.64    | 0.80    | 3.58      |
|  | 63 255 255  | 6.65    | 2.22    | 0.42    | 2.54      |
|  | 127 0 0     | 1.45    | 5.32    | 1.59    | 3.23      |
|  | 127 0 63    | 5.01    | 0.19    | 1.82    | 2.38      |
|  | 127 0 127   | 8.58    | 1.94    | 2.42    | 3.34      |
|  | 127 0 191   | 14.41   | 4.58    | 3.15    | 4.54      |
|  | 127 0 255   | 22.76   | 8.22    | 3.89    | 5.93      |
|  | 127 63 0    | 2.75    | 3.31    | 2.20    | 3.02      |
|  | 127 63 63   | 4.42    | 1.17    | 2.20    | 2.99      |
|  | 127 63 127  | 7.57    | 1.61    | 2.56    | 3.72      |
|  | 127 63 191  | 12.95   | 4.56    | 3.10    | 4.76      |
|  | 127 63 255  | 20.48   | 8.15    | 3.65    | 5.92      |
|  | 127 127 0   | 9.49    | 0.26    | 1.29    | 2.94      |
|  | 127 127 63  | 6.28    | 0.51    | 1.15    | 2.69      |
|  | 127 127 127 | 0.98    | 0.12    | 1.35    | 1.68      |
|  | 127 127 191 | 4.43    | 2.44    | 1.76    | 2.89      |
|  | 127 127 255 | 11.32   | 5.82    | 2.11    | 4.40      |
|  | 127 191 0   | 18.18   | 0.85    | 0.13    | 3.86      |
|  | 127 191 63  | 14.90   | 0.23    | 0.04    | 3.62      |
|  | 127 191 127 | 8.91    | 0.10    | 0.19    | 3.08      |
|  | 127 191 191 | 3.18    | 1.90    | 0.47    | 2.22      |
|  | 127 191 255 | 3.22    | 2.28    | 0.78    | 2.03      |
|  | 127 255 0   | 25.83   | 1.87    | 1.12    | 4.55      |
|  | 127 255 63  | 22.71   | 1.19    | 1.10    | 4.30      |
|  | 127 255 127 | 16.48   | 0.00    | 0.96    | 3.76      |
|  | 127 255 191 | 11.07   | 0.97    | 0.71    | 3.36      |
|  | 127 255 255 | 4.99    | 1.74    | 0.36    | 2.21      |
|  | 191 0 0     | 6.02    | 4.62    | 1.46    | 2.81      |
|  | 191 0 63    | 8.04    | 1.16    | 1.57    | 2.56      |
|  | 191 0 127   | 10.01   | 0.36    | 1.97    | 3.07      |
|  | 191 0 191   | 14.28   | 2.44    | 2.55    | 3.89      |
|  | 191 0 255   | 21.22   | 5.30    | 3.23    | 5.02      |
|  | 191 63 0    | 7.59    | 3.70    | 1.91    | 3.11      |
|  | 191 63 63   | 7.90    | 2.21    | 1.89    | 3.11      |
|  | 191 63 127  | 9.83    | 0.56    | 2.17    | 3.52      |
|  | 191 63 191  | 13.82   | 2.25    | 2.64    | 4.17      |
|  | 191 63 255  | 19.97   | 5.27    | 3.16    | 5.12      |
|  | 191 127 0   | 9.86    | 0.24    | 1.27    | 2.78      |
|  | 191 127 63  | 6.75    | 0.01    | 1.15    | 2.43      |
|  | 191 127 127 | 4.20    | 0.62    | 1.34    | 2.37      |
|  | 191 127 191 | 7.31    | 1.49    | 1.66    | 3.15      |
|  | 191 127 255 | 12.89   | 4.05    | 2.00    | 4.09      |
|  | 191 191 0   | 16.28   | 0.27    | 0.26    | 3.62      |
|  | 191 191 63  | 12.68   | 0.80    | 0.18    | 3.32      |
|  | 191 191 127 | 6.07    | 0.98    | 0.31    | 2.51      |
|  | 191 191 191 | 0.97    | 0.14    | 0.56    | 1.13      |

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|------------------|-----------------------------------------|
| Date             | Tuesday, March 16, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI Pro MP271QP                         |
| Sensor           | X-Rite i1 Display Pro (Corr.: WLED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | sRGB                                    |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

|  | RGB             | Delta C | Delta H | Delta L | Delta E94 |
|--|-----------------|---------|---------|---------|-----------|
|  | 191 191 255     | 4.83    | 2.39    | 0.84    | 2.61      |
|  | 191 255 0       | 23.65   | 0.59    | 0.92    | 4.37      |
|  | 191 255 63      | 20.36   | 0.03    | 0.90    | 4.10      |
|  | 191 255 127     | 13.67   | 1.02    | 0.77    | 3.50      |
|  | 191 255 191     | 8.35    | 0.29    | 0.54    | 3.03      |
|  | 191 255 255     | 2.72    | 0.95    | 0.20    | 1.59      |
|  | 255 0 0         | 9.82    | 4.89    | 1.12    | 2.80      |
|  | 255 0 63        | 10.70   | 2.94    | 1.26    | 2.74      |
|  | 255 0 127       | 12.01   | 1.84    | 1.55    | 3.05      |
|  | 255 0 191       | 15.26   | 0.29    | 2.03    | 3.54      |
|  | 255 0 255       | 20.79   | 2.57    | 2.68    | 4.39      |
|  | 255 63 0        | 10.77   | 4.32    | 1.43    | 3.02      |
|  | 255 63 63       | 10.65   | 3.61    | 1.53    | 3.14      |
|  | 255 63 127      | 11.78   | 2.77    | 1.73    | 3.45      |
|  | 255 63 191      | 14.97   | 0.23    | 2.12    | 3.77      |
|  | 255 63 255      | 19.80   | 2.39    | 2.64    | 4.44      |
|  | 255 127 0       | 11.59   | 0.95    | 0.98    | 2.61      |
|  | 255 127 63      | 9.05    | 1.02    | 0.91    | 2.39      |
|  | 255 127 127     | 7.21    | 1.97    | 1.07    | 2.60      |
|  | 255 127 191     | 9.57    | 0.56    | 1.36    | 3.04      |
|  | 255 127 255     | 13.98   | 1.72    | 1.72    | 3.64      |
|  | 255 191 0       | 15.40   | 1.10    | 0.18    | 3.27      |
|  | 255 191 63      | 11.70   | 1.21    | 0.13    | 2.87      |
|  | 255 191 127     | 5.42    | 0.47    | 0.26    | 1.86      |
|  | 255 191 191     | 3.35    | 0.47    | 0.49    | 1.70      |
|  | 255 191 255     | 7.11    | 0.87    | 0.78    | 2.71      |
|  | 255 255 0       | 21.39   | 0.87    | 0.73    | 4.07      |
|  | 255 255 63      | 17.78   | 1.40    | 0.69    | 3.74      |
|  | 255 255 127     | 10.43   | 1.93    | 0.58    | 2.96      |
|  | 255 255 191     | 5.10    | 1.44    | 0.36    | 2.32      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 11.05   | 2.55    | 1.51    | 3.46      |
|  | Maximum (2)     | 27.42   | 12.29   | 4.41    | 7.01      |

(1) Visual adaptation to display whitepoint is assumed; CIELAB reference values are adapted (Bradford transformation) to display whitepoint  
(2) Without Black

|             |                         |
|-------------|-------------------------|
| Color Space | Gamut Volume CIELAB D50 |
| sRGB        | 99%                     |

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| Testchart        | In accordance with ISO 12646:2007 (1)   |
| Target           | sRGB                                    |
| Display Profile  | Not considered                          |
| Rendering Intent | -                                       |

(1) Five equally spaced code values for each channel

| Property             | Device adjustments |
|----------------------|--------------------|
| Backlight brightness |                    |
| Brightness           |                    |
| Contrast             |                    |
| RGB Gain             |                    |
| Gradation            |                    |
| Other                |                    |