

# Colorimetric Report

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|                  |                                         |
|------------------|-----------------------------------------|
| Date             | Saturday, June 12, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI MD241P                              |
| 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)                   | 6977 Kelvin         |
| White Point XYZ (normalized)        | 95.93 100.00 117.37 |
| DeltaE to D50/ D65                  | 24.93/ 5.30         |
| Assumed Target Whitepoint (2)       | 7000 Kelvin         |
| DeltaE to Assumed Target Whitepoint | 1.92                |
| Brightness                          | 259.44 cd/m²        |
| Black Point                         | 0.19 cd/m²          |
| Contrast (x:1)                      | 1365:1              |
| Gradation (Average)                 | 2.22                |

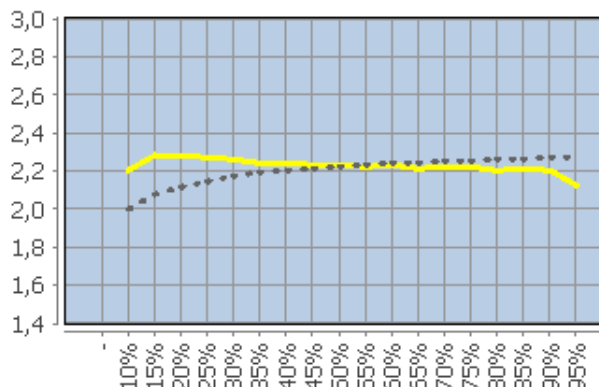
(2) Daylight

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 7178   | 0.85    | 3.39    | 2.20  |
|  | 15          | 6922   | 0.09    | 3.86    | 2.28  |
|  | 20          | 6865   | 0.24    | 3.03    | 2.28  |
|  | 25          | 7029   | 0.37    | 2.38    | 2.27  |
|  | 30          | 7113   | 0.65    | 1.84    | 2.26  |
|  | 35          | 7025   | 0.28    | 1.04    | 2.24  |
|  | 40          | 7073   | 0.51    | 0.89    | 2.24  |
|  | 45          | 6999   | 0.52    | 0.58    | 2.23  |
|  | 50          | 7031   | 0.69    | 0.70    | 2.23  |
|  | 55          | 7010   | 0.62    | 0.65    | 2.22  |
|  | 60          | 7046   | 0.33    | 0.38    | 2.23  |
|  | 65          | 7031   | 0.65    | 0.77    | 2.21  |
|  | 70          | 7043   | 0.38    | 0.47    | 2.22  |
|  | 75          | 6998   | 0.52    | 0.63    | 2.22  |
|  | 80          | 6961   | 0.40    | 0.61    | 2.20  |
|  | 85          | 6979   | 0.34    | 0.47    | 2.21  |
|  | 90          | 6966   | 0.30    | 0.40    | 2.20  |
|  | 95          | 6979   | 0.18    | 0.36    | 2.12  |
|  | 100 (3)     | 6977   | -       | -       | -     |
|  | Average (4) | -      | 0.42    | 1.12    | 2.22  |
|  | Maximum (4) | -      | 0.69    | 3.86    | -     |
|  | Range (4)   | -      | 1.21    | -       | -     |

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

### Corresponding Gamma



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| Display          | MSI MD241P                              |
| 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      | 0.93    | 0.00    | 0.64    | 1.13      |
|  | 0 0 63     | 2.60    | 1.57    | 0.38    | 1.35      |
|  | 0 0 127    | 7.88    | 5.74    | 1.04    | 3.30      |
|  | 0 0 191    | 12.52   | 8.03    | 1.42    | 4.00      |
|  | 0 0 255    | 17.16   | 10.55   | 1.97    | 4.71      |
|  | 0 63 0     | 3.70    | 2.34    | 2.00    | 2.75      |
|  | 0 63 63    | 4.16    | 0.19    | 2.03    | 3.05      |
|  | 0 63 127   | 7.25    | 8.67    | 1.94    | 6.19      |
|  | 0 63 191   | 12.74   | 10.06   | 2.03    | 5.74      |
|  | 0 63 255   | 16.73   | 11.71   | 2.26    | 5.62      |
|  | 0 127 0    | 4.33    | 7.84    | 0.36    | 3.94      |
|  | 0 127 63   | 2.65    | 7.17    | 0.51    | 4.12      |
|  | 0 127 127  | 5.07    | 0.36    | 0.46    | 2.22      |
|  | 0 127 191  | 1.05    | 7.94    | 0.25    | 4.90      |
|  | 0 127 255  | 6.28    | 9.72    | 0.04    | 4.83      |
|  | 0 191 0    | 7.68    | 11.07   | 1.16    | 4.89      |
|  | 0 191 63   | 5.80    | 10.33   | 1.25    | 4.91      |
|  | 0 191 127  | 2.05    | 5.78    | 1.22    | 3.34      |
|  | 0 191 191  | 6.37    | 0.46    | 1.08    | 2.53      |
|  | 0 191 255  | 2.26    | 8.29    | 0.92    | 5.05      |
|  | 0 255 0    | 9.97    | 13.78   | 1.58    | 5.40      |
|  | 0 255 63   | 8.00    | 12.97   | 1.54    | 5.28      |
|  | 0 255 127  | 0.38    | 8.60    | 1.49    | 3.95      |
|  | 0 255 191  | 4.80    | 5.04    | 1.37    | 3.10      |
|  | 0 255 255  | 8.00    | 1.01    | 1.13    | 2.77      |
|  | 63 0 0     | 6.40    | 2.62    | 2.31    | 3.88      |
|  | 63 0 63    | 0.80    | 1.58    | 2.61    | 2.80      |
|  | 63 0 127   | 8.09    | 1.56    | 2.17    | 2.95      |
|  | 63 0 191   | 12.83   | 5.43    | 2.13    | 3.76      |
|  | 63 0 255   | 17.18   | 8.78    | 2.43    | 4.57      |
|  | 63 63 0    | 0.75    | 1.65    | 2.56    | 2.80      |
|  | 63 63 63   | 0.31    | 0.08    | 2.51    | 2.53      |
|  | 63 63 127  | 7.98    | 3.52    | 2.33    | 4.25      |
|  | 63 63 191  | 12.46   | 6.76    | 2.33    | 4.76      |
|  | 63 63 255  | 16.13   | 9.49    | 2.48    | 5.09      |
|  | 63 127 0   | 7.50    | 3.86    | 0.17    | 2.74      |
|  | 63 127 63  | 5.71    | 4.23    | 0.35    | 3.18      |
|  | 63 127 127 | 1.99    | 0.10    | 0.35    | 1.08      |
|  | 63 127 191 | 2.25    | 5.69    | 0.15    | 3.67      |
|  | 63 127 255 | 6.18    | 7.69    | 0.05    | 3.94      |
|  | 63 191 0   | 9.70    | 8.77    | 1.07    | 4.27      |
|  | 63 191 63  | 7.82    | 8.12    | 1.17    | 4.25      |
|  | 63 191 127 | 0.02    | 4.57    | 1.16    | 2.77      |
|  | 63 191 191 | 4.65    | 0.32    | 1.02    | 2.07      |
|  | 63 191 255 | 1.31    | 7.10    | 0.88    | 4.40      |
|  | 63 255 0   | 11.29   | 12.33   | 1.44    | 5.04      |
|  | 63 255 63  | 9.13    | 11.49   | 1.42    | 4.87      |

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| Date             | Saturday, June 12, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI MD241P                              |
| 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  | 1.36    | 7.35    | 1.37    | 3.48      |
|  | 63 255 191  | 3.75    | 4.48    | 1.25    | 2.79      |
|  | 63 255 255  | 7.08    | 0.94    | 1.02    | 2.55      |
|  | 127 0 0     | 4.81    | 0.14    | 2.41    | 2.73      |
|  | 127 0 63    | 2.65    | 0.00    | 2.44    | 2.57      |
|  | 127 0 127   | 4.86    | 2.82    | 2.30    | 2.93      |
|  | 127 0 191   | 10.42   | 0.86    | 2.31    | 3.04      |
|  | 127 0 255   | 15.17   | 4.98    | 2.52    | 3.82      |
|  | 127 63 0    | 0.01    | 2.09    | 2.67    | 2.92      |
|  | 127 63 63   | 0.87    | 0.95    | 2.55    | 2.65      |
|  | 127 63 127  | 5.86    | 2.22    | 2.41    | 3.38      |
|  | 127 63 191  | 11.03   | 1.89    | 2.43    | 3.58      |
|  | 127 63 255  | 14.65   | 5.73    | 2.48    | 4.13      |
|  | 127 127 0   | 9.04    | 1.91    | 0.22    | 2.72      |
|  | 127 127 63  | 7.53    | 1.85    | 0.01    | 3.12      |
|  | 127 127 127 | 0.58    | 0.15    | 0.00    | 0.60      |
|  | 127 127 191 | 3.45    | 2.02    | 0.12    | 1.84      |
|  | 127 127 255 | 6.29    | 4.66    | 0.22    | 2.69      |
|  | 127 191 0   | 12.34   | 4.51    | 0.79    | 3.38      |
|  | 127 191 63  | 10.43   | 4.49    | 0.94    | 3.49      |
|  | 127 191 127 | 2.55    | 2.75    | 0.94    | 2.12      |
|  | 127 191 191 | 2.58    | 0.07    | 0.84    | 1.56      |
|  | 127 191 255 | 0.53    | 5.46    | 0.72    | 3.56      |
|  | 127 255 0   | 13.34   | 9.63    | 1.25    | 4.46      |
|  | 127 255 63  | 11.20   | 9.09    | 1.24    | 4.35      |
|  | 127 255 127 | 3.20    | 5.88    | 1.21    | 3.04      |
|  | 127 255 191 | 2.04    | 3.98    | 1.10    | 2.54      |
|  | 127 255 255 | 5.77    | 0.73    | 0.90    | 2.39      |
|  | 191 0 0     | 2.34    | 3.42    | 2.67    | 3.10      |
|  | 191 0 63    | 3.02    | 1.66    | 2.69    | 2.90      |
|  | 191 0 127   | 1.23    | 5.08    | 2.63    | 3.59      |
|  | 191 0 191   | 7.54    | 3.45    | 2.65    | 3.35      |
|  | 191 0 255   | 12.66   | 0.35    | 2.80    | 3.44      |
|  | 191 63 0    | 0.95    | 4.28    | 2.87    | 3.51      |
|  | 191 63 63   | 1.41    | 2.00    | 2.78    | 3.00      |
|  | 191 63 127  | 1.76    | 5.02    | 2.69    | 3.84      |
|  | 191 63 191  | 8.08    | 3.11    | 2.67    | 3.52      |
|  | 191 63 255  | 12.47   | 0.85    | 2.74    | 3.51      |
|  | 191 127 0   | 7.08    | 7.29    | 0.85    | 4.15      |
|  | 191 127 63  | 4.15    | 7.46    | 0.63    | 4.58      |
|  | 191 127 127 | 3.21    | 0.59    | 0.59    | 1.63      |
|  | 191 127 191 | 1.96    | 2.23    | 0.66    | 1.66      |
|  | 191 127 255 | 5.69    | 0.57    | 0.71    | 1.53      |
|  | 191 191 0   | 13.63   | 1.91    | 0.31    | 3.16      |
|  | 191 191 63  | 11.68   | 2.08    | 0.45    | 3.24      |
|  | 191 191 127 | 3.90    | 1.91    | 0.46    | 2.05      |
|  | 191 191 191 | 0.60    | 0.17    | 0.38    | 0.73      |

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|------------------|-----------------------------------------|
| Date             | Saturday, June 12, 2021                 |
| Tester           | Manuel Findeis                          |
| Display          | MSI MD241P                              |
| 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     | 2.11    | 1.84    | 0.31    | 1.51      |
|  | 191 255 0       | 15.88   | 4.63    | 0.87    | 3.52      |
|  | 191 255 63      | 13.71   | 4.40    | 0.86    | 3.38      |
|  | 191 255 127     | 5.66    | 2.58    | 0.84    | 2.07      |
|  | 191 255 191     | 0.88    | 2.34    | 0.75    | 1.67      |
|  | 191 255 255     | 3.24    | 0.39    | 0.56    | 1.79      |
|  | 255 0 0         | 0.55    | 5.90    | 3.00    | 3.78      |
|  | 255 0 63        | 2.86    | 2.83    | 3.06    | 3.33      |
|  | 255 0 127       | 1.74    | 5.53    | 3.04    | 3.91      |
|  | 255 0 191       | 4.19    | 6.48    | 3.08    | 4.15      |
|  | 255 0 255       | 9.69    | 3.94    | 3.26    | 3.89      |
|  | 255 63 0        | 1.20    | 5.98    | 3.15    | 3.98      |
|  | 255 63 63       | 1.92    | 3.13    | 3.13    | 3.44      |
|  | 255 63 127      | 1.77    | 5.43    | 3.06    | 4.01      |
|  | 255 63 191      | 4.28    | 6.51    | 3.08    | 4.31      |
|  | 255 63 255      | 9.54    | 3.71    | 3.21    | 3.89      |
|  | 255 127 0       | 4.63    | 10.15   | 1.43    | 4.76      |
|  | 255 127 63      | 0.85    | 9.26    | 1.30    | 4.66      |
|  | 255 127 127     | 5.32    | 0.85    | 1.24    | 2.05      |
|  | 255 127 191     | 1.28    | 4.34    | 1.31    | 2.71      |
|  | 255 127 255     | 3.57    | 3.29    | 1.36    | 2.19      |
|  | 255 191 0       | 12.11   | 8.38    | 0.26    | 4.51      |
|  | 255 191 63      | 9.44    | 8.51    | 0.16    | 4.72      |
|  | 255 191 127     | 0.60    | 6.27    | 0.14    | 3.79      |
|  | 255 191 191     | 3.52    | 0.59    | 0.21    | 1.74      |
|  | 255 191 255     | 0.55    | 1.99    | 0.29    | 1.29      |
|  | 255 255 0       | 16.90   | 1.94    | 0.29    | 3.26      |
|  | 255 255 63      | 14.67   | 2.13    | 0.29    | 3.14      |
|  | 255 255 127     | 6.25    | 2.50    | 0.27    | 2.10      |
|  | 255 255 191     | 2.25    | 1.73    | 0.18    | 1.50      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 6.04    | 0.00    | 1.44    | 3.35      |
|  | Maximum (2)     | 17.18   | 13.78   | 3.26    | 6.19      |

(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        | 88%                     |

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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                |                    |