

# Colorimetric Report

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|                  |                       |
|------------------|-----------------------|
| Test Device      | Dell U2212HM          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

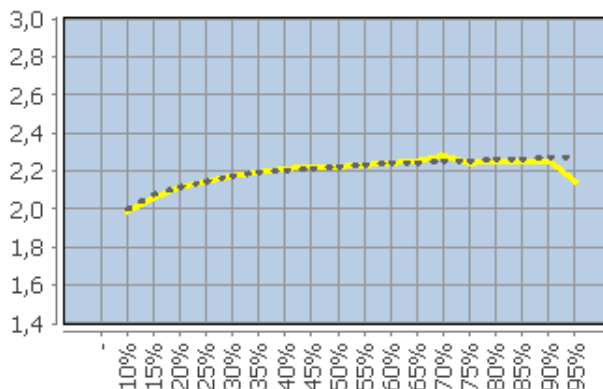
|                                     |                    |
|-------------------------------------|--------------------|
| White Point / CCT Kelvin            | 6499K              |
| White Point XYZ (normalized)        | 94.98 100.0 108.72 |
| DeltaE to D50/ D65                  | 19.42/ 0.15        |
| DeltaE to Blackbody Curve *         | 0.07               |
| Assumed Target Whitepoint           | 6500K              |
| DeltaE to Assumed Target Whitepoint | 0.07               |
| Brightness / cd/m <sup>2</sup> **   | 138.4              |
| Black Point / cd/m <sup>2</sup> **  | 0.1                |
| Contrast / x:1                      | 1384:1             |
| Gradation (Average)                 | 2.19               |

\* Based on CCT \*\* Measured with X-Rite DTP94 or comparable probe

|  | Percent | Kelvin | deltaC | deltaE | Gamma |
|--|---------|--------|--------|--------|-------|
|  | 5       | -      | -      | -      | -     |
|  | 10      | 6697   | 0.66   | 0.81   | 1.99  |
|  | 15      | 6599   | 0.99   | 0.99   | 2.06  |
|  | 20      | 6367   | 0.71   | 0.71   | 2.11  |
|  | 25      | 6576   | 0.89   | 0.93   | 2.14  |
|  | 30      | 6497   | 0.08   | 0.25   | 2.17  |
|  | 35      | 6524   | 0.23   | 0.24   | 2.19  |
|  | 40      | 6513   | 0.06   | 0.11   | 2.21  |
|  | 45      | 6499   | 0.44   | 0.45   | 2.22  |
|  | 50      | 6435   | 0.37   | 0.47   | 2.22  |
|  | 55      | 6469   | 0.33   | 0.34   | 2.23  |
|  | 60      | 6498   | 0.02   | 0.09   | 2.24  |
|  | 65      | 6507   | 0.23   | 0.23   | 2.25  |
|  | 70      | 6507   | 0.2    | 0.25   | 2.28  |
|  | 75      | 6489   | 0.17   | 0.17   | 2.24  |
|  | 80      | 6457   | 0.43   | 0.44   | 2.25  |
|  | 85      | 6519   | 0.35   | 0.38   | 2.25  |
|  | 90      | 6498   | 0.3    | 0.37   | 2.25  |
|  | 95      | 6495   | 0.48   | 0.5    | 2.14  |
|  | 100     | 6500   | -      | -      | -     |
|  | Average | -      | 0.39*  | 0.43*  | 2.19  |
|  | Maximum | -      | 0.99*  | 0.99*  | -     |
|  | Range   | -      | 1.54*  | -      | -     |

\* Only luminance > 1% considered  
Without Black Point Compensation

Corresponding Gamma



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|                  |                       |
|------------------|-----------------------|
| Test Device      | Dell U2212HM          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB        | deltaC | deltaH | deltaL | deltaE94 |
|--|------------|--------|--------|--------|----------|
|  | 255 0 0    | 3.37   | 1.79   | 0.08   | 0.92     |
|  | 0 255 0    | 2.93   | 1.44   | 0.99   | 1.2      |
|  | 0 0 255    | 13.98  | 6.89   | 4.31   | 5.27     |
|  | 0 255 255  | 1.14   | 0.13   | 0.08   | 0.37     |
|  | 255 0 255  | 7.39   | 0.8    | 1.67   | 2.07     |
|  | 255 255 0  | 1.61   | 1.1    | 1.05   | 1.18     |
|  | 170 85 85  | 0.08   | 0.13   | 0.01   | 0.09     |
|  | 85 170 85  | 0.23   | 0.14   | 0.16   | 0.19     |
|  | 85 85 170  | 0.08   | 0.2    | 0.31   | 0.33     |
|  | 85 170 170 | 0.08   | 0.18   | 0.18   | 0.22     |
|  | 170 85 170 | 0.23   | 0.14   | 0.17   | 0.2      |
|  | 170 170 85 | 0.36   | 0.14   | 0.01   | 0.15     |
|  | 229 0 0    | 3.05   | 2.45   | 0.65   | 1.32     |
|  | 204 0 0    | 3.41   | 2.41   | 0.35   | 1.29     |
|  | 178 0 0    | 3.81   | 2.39   | 0.16   | 1.38     |
|  | 153 0 0    | 4.19   | 2.83   | 0.27   | 1.72     |
|  | 127 0 0    | 2.24   | 1.31   | 0.27   | 0.95     |
|  | 102 0 0    | 2.64   | 1.34   | 0.22   | 1.13     |
|  | 76 0 0     | 2.08   | 0.23   | 0.54   | 0.94     |
|  | 0 229 0    | 0.1    | 1.28   | 0.55   | 0.73     |
|  | 0 204 0    | 0.24   | 1.16   | 0.33   | 0.57     |
|  | 0 178 0    | 0.24   | 0.91   | 0.13   | 0.41     |
|  | 0 153 0    | 0.93   | 0.45   | 0.24   | 0.37     |
|  | 0 127 0    | 0.88   | 0.42   | 0.13   | 0.32     |
|  | 0 102 0    | 0.3    | 1.06   | 0.0    | 0.56     |
|  | 0 76 0     | 0.39   | 1.68   | 0.29   | 1.01     |
|  | 0 0 229    | 11.55  | 5.45   | 3.54   | 4.39     |
|  | 0 0 204    | 10.26  | 4.63   | 3.12   | 3.94     |
|  | 0 0 178    | 9.64   | 4.23   | 2.58   | 3.52     |
|  | 0 0 153    | 8.65   | 3.78   | 2.54   | 3.44     |
|  | 0 0 127    | 8.4    | 3.57   | 1.87   | 3.08     |
|  | 0 0 102    | 8.4    | 3.33   | 2.23   | 3.45     |
|  | 0 0 76     | 6.51   | 2.59   | 1.32   | 2.73     |
|  | 0 229 229  | 0.86   | 0.56   | 0.11   | 0.44     |
|  | 0 204 204  | 0.51   | 1.02   | 0.15   | 0.66     |
|  | 0 178 178  | 0.68   | 0.54   | 0.03   | 0.43     |
|  | 0 153 153  | 0.64   | 0.61   | 0.19   | 0.52     |
|  | 0 127 127  | 0.34   | 0.94   | 0.02   | 0.66     |
|  | 0 102 102  | 0.84   | 0.16   | 0.28   | 0.49     |
|  | 0 76 76    | 0.42   | 0.45   | 0.33   | 0.52     |
|  | 229 0 229  | 5.95   | 0.18   | 1.89   | 2.15     |
|  | 204 0 204  | 5.57   | 0.34   | 1.67   | 1.97     |
|  | 178 0 178  | 4.92   | 0.49   | 1.14   | 1.52     |
|  | 153 0 153  | 4.33   | 0.2    | 1.35   | 1.65     |
|  | 127 0 127  | 4.41   | 0.37   | 1.08   | 1.53     |
|  | 102 0 102  | 4.44   | 0.42   | 0.76   | 1.45     |
|  | 76 0 76    | 3.93   | 0.54   | 0.73   | 1.47     |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | Dell U2212HM          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 229 229 0   | 0.07   | 0.03   | 0.24   | 0.25     |
|  | 204 204 0   | 0.01   | 0.33   | 0.31   | 0.35     |
|  | 178 178 0   | 0.29   | 0.56   | 0.12   | 0.3      |
|  | 153 153 0   | 1.13   | 0.33   | 0.09   | 0.34     |
|  | 127 127 0   | 0.54   | 0.26   | 0.3    | 0.36     |
|  | 102 102 0   | 0.88   | 0.3    | 0.05   | 0.33     |
|  | 76 76 0     | 0.67   | 0.11   | 0.14   | 0.29     |
|  | 255 25 25   | 0.77   | 1.09   | 0.46   | 0.65     |
|  | 255 51 51   | 0.5    | 0.37   | 0.3    | 0.35     |
|  | 255 76 76   | 0.6    | 0.02   | 0.27   | 0.3      |
|  | 255 102 102 | 0.4    | 0.01   | 0.33   | 0.34     |
|  | 255 127 127 | 0.92   | 0.38   | 0.01   | 0.34     |
|  | 255 153 153 | 0.42   | 0.1    | 0.21   | 0.27     |
|  | 255 178 178 | 0.3    | 0.14   | 0.16   | 0.23     |
|  | 255 204 204 | 0.21   | 0.56   | 0.14   | 0.47     |
|  | 255 229 229 | 0.16   | 0.38   | 0.03   | 0.36     |
|  | 25 255 25   | 2.23   | 0.65   | 1.03   | 1.12     |
|  | 51 255 51   | 1.59   | 0.14   | 1.18   | 1.21     |
|  | 76 255 76   | 1.56   | 0.23   | 1.14   | 1.18     |
|  | 102 255 102 | 2.23   | 0.09   | 1.03   | 1.12     |
|  | 127 255 127 | 1.95   | 0.12   | 0.99   | 1.08     |
|  | 153 255 153 | 1.68   | 0.14   | 0.87   | 0.98     |
|  | 178 255 178 | 1.23   | 0.01   | 0.81   | 0.9      |
|  | 204 255 204 | 0.64   | 0.53   | 0.56   | 0.71     |
|  | 229 255 229 | 1.18   | 0.26   | 0.31   | 0.78     |
|  | 25 25 255   | 9.33   | 4.25   | 2.88   | 3.51     |
|  | 51 51 255   | 0.99   | 0.52   | 0.51   | 0.57     |
|  | 76 76 255   | 0.09   | 0.07   | 0.05   | 0.06     |
|  | 102 102 255 | 0.0    | 0.06   | 0.03   | 0.04     |
|  | 127 127 255 | 0.7    | 0.21   | 0.13   | 0.23     |
|  | 153 153 255 | 0.53   | 0.4    | 0.06   | 0.27     |
|  | 178 178 255 | 1.54   | 0.94   | 0.24   | 0.83     |
|  | 204 204 255 | 0.95   | 0.42   | 0.28   | 0.6      |
|  | 229 229 255 | 0.37   | 0.46   | 0.24   | 0.51     |
|  | 25 255 255  | 0.59   | 0.12   | 0.0    | 0.19     |
|  | 51 255 255  | 0.11   | 0.0    | 0.04   | 0.05     |
|  | 76 255 255  | 0.14   | 0.07   | 0.06   | 0.09     |
|  | 102 255 255 | 0.15   | 0.02   | 0.04   | 0.07     |
|  | 127 255 255 | 0.19   | 0.01   | 0.03   | 0.08     |
|  | 153 255 255 | 0.12   | 0.09   | 0.04   | 0.09     |
|  | 178 255 255 | 0.1    | 0.08   | 0.04   | 0.08     |
|  | 204 255 255 | 0.18   | 0.07   | 0.02   | 0.12     |
|  | 229 255 255 | 0.27   | 0.01   | 0.04   | 0.2      |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | Dell U2212HM          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 255 25 255  | 5.44   | 0.63   | 1.15   | 1.47     |
|  | 255 51 255  | 0.5    | 0.52   | 0.27   | 0.34     |
|  | 255 76 255  | 0.11   | 0.42   | 0.4    | 0.43     |
|  | 255 102 255 | 0.58   | 0.27   | 0.35   | 0.38     |
|  | 255 127 255 | 0.18   | 0.5    | 0.28   | 0.36     |
|  | 255 153 255 | 1.66   | 0.31   | 0.09   | 0.47     |
|  | 255 178 255 | 1.25   | 0.14   | 0.03   | 0.4      |
|  | 255 204 255 | 0.9    | 0.23   | 0.0    | 0.4      |
|  | 255 229 255 | 0.54   | 0.35   | 0.15   | 0.44     |
|  | 255 255 25  | 1.59   | 0.98   | 1.03   | 1.15     |
|  | 255 255 51  | 1.87   | 1.05   | 1.02   | 1.18     |
|  | 255 255 76  | 1.8    | 0.82   | 0.99   | 1.12     |
|  | 255 255 102 | 1.53   | 0.95   | 0.96   | 1.12     |
|  | 255 255 127 | 1.38   | 0.68   | 0.91   | 1.04     |
|  | 255 255 153 | 1.35   | 1.39   | 0.71   | 1.14     |
|  | 255 255 178 | 1.11   | 1.11   | 0.62   | 1.02     |
|  | 255 255 204 | 0.39   | 1.07   | 0.5    | 0.94     |
|  | 255 255 229 | 0.74   | 0.65   | 0.34   | 0.79     |
|  | 213 255 0   | 1.92   | 1.16   | 1.0    | 1.16     |
|  | 159 191 0   | 0.02   | 0.55   | 0.12   | 0.28     |
|  | 106 128 0   | 0.55   | 0.83   | 0.08   | 0.47     |
|  | 0 255 85    | 2.59   | 1.31   | 0.94   | 1.16     |
|  | 0 191 64    | 0.26   | 0.89   | 0.31   | 0.5      |
|  | 0 128 42    | 0.15   | 0.89   | 0.12   | 0.48     |
|  | 0 128 255   | 0.74   | 0.38   | 0.14   | 0.29     |
|  | 0 96 191    | 0.21   | 0.43   | 0.36   | 0.43     |
|  | 0 64 128    | 0.81   | 0.14   | 0.26   | 0.39     |
|  | 170 0 255   | 9.55   | 2.58   | 2.83   | 3.32     |
|  | 127 0 191   | 7.06   | 1.46   | 1.97   | 2.45     |
|  | 85 0 128    | 5.79   | 1.08   | 1.21   | 1.9      |
|  | 255 0 42    | 1.35   | 1.11   | 0.09   | 0.53     |
|  | 191 0 32    | 1.37   | 0.42   | 0.7    | 0.79     |
|  | 128 0 21    | 0.47   | 1.77   | 0.26   | 1.0      |
|  | 170 85 0    | 0.17   | 0.54   | 0.15   | 0.32     |
|  | 0 170 85    | 0.73   | 0.63   | 0.1    | 0.38     |
|  | 85 0 170    | 6.96   | 2.42   | 1.97   | 2.6      |
|  | 0 85 170    | 0.3    | 0.85   | 0.35   | 0.59     |
|  | 170 0 85    | 2.08   | 0.78   | 0.4    | 0.79     |
|  | 85 170 0    | 0.17   | 0.21   | 0.06   | 0.12     |
|  | 123 127 127 | 0.45   | 0.53   | 0.15   | 0.69     |
|  | 127 123 127 | 0.45   | 0.3    | 0.28   | 0.56     |
|  | 127 127 123 | 1.0    | 0.0    | 0.21   | 0.93     |
|  | Average     | 2.0    | 0.88   | 0.6    | 0.94     |
|  | Maximum     | 13.98  | 6.89   | 4.31   | 5.27     |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | Dell U2212HM          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

| Property             | Device adjustments |
|----------------------|--------------------|
| Backlight brightness | 44                 |
| Brightness           | 138.4              |
| Contrast             | 75                 |
| RGB Gain             | 99 98 100          |
| Gradation            | -                  |
| Other                |                    |