

# Colorimetric Report

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|                  |                                            |
|------------------|--------------------------------------------|
| Date             | Saturday, August 31, 2024                  |
| Tester           | Simon Blohm                                |
| Display          | Dell U3425WE                               |
| Sensor           | X-Rite i1 Display Pro (Corr.: RGB-LED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)      |
| Target           | DCI-P3 RGB                                 |
| Display Profile  | Considered                                 |
| Rendering Intent | Relative colorimetric                      |

(1) Five equally spaced code values for each channel

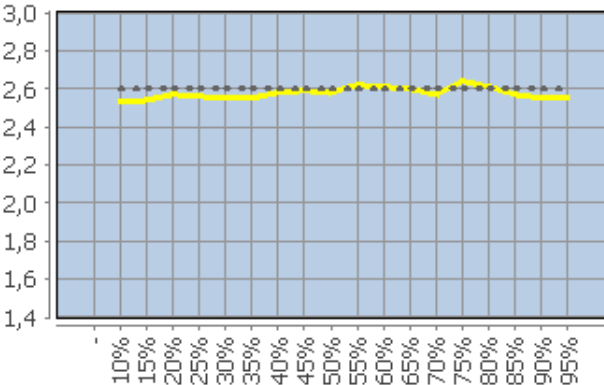
|                                     |                    |
|-------------------------------------|--------------------|
| White Point (CCT)                   | 6207 Kelvin        |
| White Point XYZ (normalized)        | 90.44 100.00 95.55 |
| DeltaE to D50/ D65                  | 14.56/ 11.83       |
| Assumed Target Whitepoint (2)       | 6200 Kelvin        |
| DeltaE to Assumed Target Whitepoint | 10.06              |
| Brightness                          | 141.15 cd/m²       |
| Black Point                         | 0.09 cd/m²         |
| Contrast (x:1)                      | 1568:1             |
| Gradation (Average)                 | 2.58               |

(2) Daylight

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 6349   | 0.11    | 0.46    | 2.53  |
|  | 15          | 6035   | 0.94    | 1.23    | 2.54  |
|  | 20          | 6237   | 1.23    | 1.34    | 2.57  |
|  | 25          | 6277   | 1.31    | 1.48    | 2.56  |
|  | 30          | 6184   | 0.45    | 0.93    | 2.55  |
|  | 35          | 6120   | 1.81    | 1.98    | 2.55  |
|  | 40          | 6221   | 0.58    | 0.66    | 2.58  |
|  | 45          | 6272   | 0.51    | 0.55    | 2.59  |
|  | 50          | 6212   | 1.09    | 1.13    | 2.58  |
|  | 55          | 6206   | 0.72    | 0.75    | 2.62  |
|  | 60          | 6246   | 0.36    | 0.38    | 2.61  |
|  | 65          | 6157   | 0.57    | 0.57    | 2.60  |
|  | 70          | 6189   | 0.45    | 0.53    | 2.57  |
|  | 75          | 6256   | 0.43    | 0.56    | 2.64  |
|  | 80          | 6234   | 0.57    | 0.57    | 2.61  |
|  | 85          | 6203   | 0.06    | 0.19    | 2.57  |
|  | 90          | 6195   | 1.35    | 1.36    | 2.55  |
|  | 95          | 6230   | 0.91    | 0.92    | 2.55  |
|  | 100 (3)     | 6206   | -       | -       | -     |
|  | Average (4) | -      | 0.77    | 0.87    | 2.58  |
|  | Maximum (4) | -      | 1.81    | 1.98    | -     |
|  | Range (4)   | -      | 2.51    | -       | -     |

(3) Visual adaptation to display whitepoint is assumed  
(4) Only luminance > 1% considered

### Corresponding Gamma



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| Testchart        | In accordance with ISO 12646:2007 (1)      |
| Target           | DCI-P3 RGB                                 |
| Display Profile  | Considered                                 |
| Rendering Intent | Relative colorimetric                      |

(1) Five equally spaced code values for each channel

|  | RGB        | Delta C | Delta H | Delta L | Delta E94 |
|--|------------|---------|---------|---------|-----------|
|  | 0 0 0      | 0.42    | 0.00    | 0.58    | 0.71      |
|  | 0 0 63     | 0.66    | 0.29    | 0.65    | 0.74      |
|  | 0 0 127    | 3.20    | 1.49    | 0.75    | 1.26      |
|  | 0 0 191    | 4.24    | 1.75    | 0.57    | 1.14      |
|  | 0 0 255    | 6.83    | 1.99    | 0.13    | 1.16      |
|  | 0 63 0     | 4.58    | 0.41    | 0.85    | 1.83      |
|  | 0 63 63    | 1.32    | 0.09    | 0.92    | 1.16      |
|  | 0 63 127   | 1.19    | 0.60    | 0.16    | 0.54      |
|  | 0 63 191   | 2.32    | 1.35    | 0.03    | 0.74      |
|  | 0 63 255   | 4.09    | 0.84    | 0.63    | 0.92      |
|  | 0 127 0    | 12.38   | 4.61    | 0.90    | 3.37      |
|  | 0 127 63   | 5.43    | 1.29    | 0.56    | 1.60      |
|  | 0 127 127  | 1.61    | 1.23    | 0.51    | 1.12      |
|  | 0 127 191  | 0.94    | 0.75    | 0.12    | 0.54      |
|  | 0 127 255  | 3.54    | 1.35    | 0.41    | 1.02      |
|  | 0 191 0    | 18.60   | 6.21    | 0.36    | 3.61      |
|  | 0 191 63   | 9.28    | 0.84    | 0.32    | 1.63      |
|  | 0 191 127  | 5.25    | 2.16    | 0.29    | 1.55      |
|  | 0 191 191  | 3.75    | 0.28    | 0.04    | 1.13      |
|  | 0 191 255  | 2.55    | 0.45    | 0.00    | 0.78      |
|  | 0 255 0    | 23.80   | 7.53    | 0.41    | 3.72      |
|  | 0 255 63   | 14.70   | 0.44    | 0.34    | 1.95      |
|  | 0 255 127  | 9.37    | 2.28    | 0.36    | 1.69      |
|  | 0 255 191  | 6.79    | 1.87    | 0.34    | 1.58      |
|  | 0 255 255  | 4.73    | 0.01    | 0.41    | 1.25      |
|  | 63 0 0     | 1.60    | 0.39    | 0.38    | 0.85      |
|  | 63 0 63    | 1.51    | 0.51    | 0.70    | 0.95      |
|  | 63 0 127   | 2.72    | 0.66    | 0.75    | 1.03      |
|  | 63 0 191   | 3.96    | 1.18    | 0.64    | 1.05      |
|  | 63 0 255   | 7.05    | 1.24    | 0.39    | 1.13      |
|  | 63 63 0    | 2.61    | 0.36    | 0.78    | 1.39      |
|  | 63 63 63   | 1.04    | 0.05    | 0.75    | 1.28      |
|  | 63 63 127  | 1.39    | 0.29    | 0.10    | 0.49      |
|  | 63 63 191  | 2.03    | 0.57    | 0.23    | 0.53      |
|  | 63 63 255  | 4.19    | 0.26    | 0.32    | 0.71      |
|  | 63 127 0   | 10.01   | 7.41    | 0.52    | 4.08      |
|  | 63 127 63  | 1.89    | 1.58    | 0.24    | 1.02      |
|  | 63 127 127 | 0.15    | 1.24    | 0.40    | 0.96      |
|  | 63 127 191 | 0.83    | 0.13    | 0.15    | 0.32      |
|  | 63 127 255 | 3.41    | 1.26    | 0.46    | 1.00      |
|  | 63 191 0   | 14.69   | 10.70   | 0.13    | 4.49      |
|  | 63 191 63  | 5.30    | 3.28    | 0.19    | 1.58      |
|  | 63 191 127 | 0.97    | 0.40    | 0.21    | 0.36      |
|  | 63 191 191 | 0.04    | 0.24    | 0.47    | 0.50      |
|  | 63 191 255 | 1.20    | 2.22    | 0.29    | 1.32      |
|  | 63 255 0   | 21.23   | 10.42   | 0.10    | 4.11      |
|  | 63 255 63  | 12.15   | 3.19    | 0.04    | 1.89      |

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|------------------|--------------------------------------------|
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| Display          | Dell U3425WE                               |
| Sensor           | X-Rite i1 Display Pro (Corr.: RGB-LED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)      |
| Target           | DCI-P3 RGB                                 |
| Display Profile  | Considered                                 |
| Rendering Intent | Relative colorimetric                      |

(1) Five equally spaced code values for each channel

|  | RGB         | Delta C | Delta H | Delta L | Delta E94 |
|--|-------------|---------|---------|---------|-----------|
|  | 63 255 127  | 6.33    | 0.47    | 0.04    | 1.01      |
|  | 63 255 191  | 3.87    | 0.61    | 0.04    | 0.82      |
|  | 63 255 255  | 2.31    | 0.08    | 0.11    | 0.60      |
|  | 127 0 0     | 1.59    | 1.13    | 0.30    | 0.76      |
|  | 127 0 63    | 0.62    | 0.33    | 0.36    | 0.44      |
|  | 127 0 127   | 1.51    | 0.34    | 0.55    | 0.68      |
|  | 127 0 191   | 3.10    | 0.02    | 0.57    | 0.80      |
|  | 127 0 255   | 6.44    | 0.13    | 0.40    | 1.01      |
|  | 127 63 0    | 4.13    | 1.00    | 0.59    | 1.39      |
|  | 127 63 63   | 1.33    | 0.05    | 0.37    | 0.60      |
|  | 127 63 127  | 1.65    | 0.33    | 0.31    | 0.61      |
|  | 127 63 191  | 1.81    | 0.39    | 0.34    | 0.53      |
|  | 127 63 255  | 4.50    | 0.33    | 0.16    | 0.72      |
|  | 127 127 0   | 12.60   | 2.94    | 0.51    | 3.42      |
|  | 127 127 63  | 1.64    | 1.65    | 0.49    | 1.23      |
|  | 127 127 127 | 1.06    | 0.08    | 0.26    | 1.09      |
|  | 127 127 191 | 0.61    | 0.59    | 0.08    | 0.42      |
|  | 127 127 255 | 3.65    | 0.07    | 0.24    | 0.79      |
|  | 127 191 0   | 15.75   | 9.31    | 0.20    | 4.53      |
|  | 127 191 63  | 5.12    | 3.30    | 0.24    | 1.74      |
|  | 127 191 127 | 0.92    | 0.91    | 0.15    | 0.58      |
|  | 127 191 191 | 0.34    | 0.11    | 0.27    | 0.32      |
|  | 127 191 255 | 1.93    | 0.95    | 0.18    | 0.86      |
|  | 127 255 0   | 18.90   | 13.04   | 0.26    | 4.83      |
|  | 127 255 63  | 9.20    | 6.32    | 0.31    | 2.48      |
|  | 127 255 127 | 3.32    | 2.15    | 0.34    | 1.06      |
|  | 127 255 191 | 1.29    | 0.88    | 0.30    | 0.59      |
|  | 127 255 255 | 0.35    | 0.24    | 0.08    | 0.19      |
|  | 191 0 0     | 3.75    | 2.68    | 0.23    | 1.29      |
|  | 191 0 63    | 1.21    | 0.46    | 0.08    | 0.34      |
|  | 191 0 127   | 1.23    | 0.35    | 0.04    | 0.32      |
|  | 191 0 191   | 1.83    | 0.33    | 0.26    | 0.45      |
|  | 191 0 255   | 5.11    | 1.37    | 0.22    | 0.92      |
|  | 191 63 0    | 6.05    | 3.06    | 0.13    | 1.71      |
|  | 191 63 63   | 1.12    | 0.50    | 0.27    | 0.43      |
|  | 191 63 127  | 1.19    | 0.17    | 0.20    | 0.36      |
|  | 191 63 191  | 1.78    | 0.42    | 0.22    | 0.45      |
|  | 191 63 255  | 4.13    | 1.06    | 0.21    | 0.78      |
|  | 191 127 0   | 14.02   | 3.90    | 0.22    | 3.32      |
|  | 191 127 63  | 2.65    | 0.61    | 0.27    | 0.79      |
|  | 191 127 127 | 0.97    | 0.61    | 0.12    | 0.55      |
|  | 191 127 191 | 0.86    | 0.92    | 0.18    | 0.60      |
|  | 191 127 255 | 3.72    | 0.75    | 0.11    | 0.82      |
|  | 191 191 0   | 18.54   | 3.17    | 0.14    | 3.62      |
|  | 191 191 63  | 6.27    | 1.12    | 0.23    | 1.44      |
|  | 191 191 127 | 0.80    | 0.91    | 0.24    | 0.66      |
|  | 191 191 191 | 0.45    | 0.19    | 0.39    | 0.63      |

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|------------------|--------------------------------------------|
| Date             | Saturday, August 31, 2024                  |
| Tester           | Simon Blohm                                |
| Display          | Dell U3425WE                               |
| Sensor           | X-Rite i1 Display Pro (Corr.: RGB-LED, XR) |
| Testchart        | In accordance with ISO 12646:2007 (1)      |
| Target           | DCI-P3 RGB                                 |
| Display Profile  | Considered                                 |
| Rendering Intent | Relative colorimetric                      |

(1) Five equally spaced code values for each channel

|  | RGB             | Delta C | Delta H | Delta L | Delta E94 |
|--|-----------------|---------|---------|---------|-----------|
|  | 191 191 255     | 2.26    | 0.06    | 0.23    | 0.82      |
|  | 191 255 0       | 20.95   | 10.03   | 0.25    | 4.53      |
|  | 191 255 63      | 10.32   | 5.07    | 0.38    | 2.44      |
|  | 191 255 127     | 3.21    | 1.64    | 0.37    | 1.01      |
|  | 191 255 191     | 1.47    | 0.74    | 0.26    | 0.65      |
|  | 191 255 255     | 0.16    | 0.11    | 0.14    | 0.17      |
|  | 255 0 0         | 7.87    | 4.81    | 1.15    | 2.27      |
|  | 255 0 63        | 3.95    | 1.61    | 1.16    | 1.45      |
|  | 255 0 127       | 2.72    | 1.47    | 1.10    | 1.35      |
|  | 255 0 191       | 2.22    | 1.50    | 0.88    | 1.13      |
|  | 255 0 255       | 4.28    | 0.17    | 1.08    | 1.25      |
|  | 255 63 0        | 9.78    | 5.72    | 0.95    | 2.58      |
|  | 255 63 63       | 4.26    | 0.78    | 1.06    | 1.31      |
|  | 255 63 127      | 3.14    | 0.79    | 1.06    | 1.26      |
|  | 255 63 191      | 2.38    | 0.86    | 0.85    | 1.02      |
|  | 255 63 255      | 3.85    | 0.23    | 1.16    | 1.31      |
|  | 255 127 0       | 16.05   | 7.27    | 0.51    | 3.67      |
|  | 255 127 63      | 4.29    | 0.43    | 0.59    | 1.00      |
|  | 255 127 127     | 3.04    | 0.09    | 0.65    | 0.96      |
|  | 255 127 191     | 3.01    | 0.23    | 0.47    | 0.85      |
|  | 255 127 255     | 3.78    | 0.15    | 0.89    | 1.15      |
|  | 255 191 0       | 20.12   | 2.30    | 0.25    | 3.44      |
|  | 255 191 63      | 7.18    | 0.21    | 0.62    | 1.49      |
|  | 255 191 127     | 2.07    | 0.95    | 0.49    | 0.90      |
|  | 255 191 191     | 1.54    | 0.59    | 0.59    | 0.92      |
|  | 255 191 255     | 2.40    | 0.07    | 0.49    | 0.87      |
|  | 255 255 0       | 23.58   | 2.54    | 0.20    | 3.61      |
|  | 255 255 63      | 11.81   | 0.98    | 0.28    | 1.95      |
|  | 255 255 127     | 3.51    | 0.06    | 0.27    | 0.80      |
|  | 255 255 191     | 1.08    | 0.29    | 0.22    | 0.48      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 5.08    | 1.69    | 0.40    | 1.36      |
|  | Maximum (2)     | 23.80   | 13.04   | 1.16    | 4.83      |

(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 |
| DCI-P3 RGB  | 94%                     |

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| Target           | DCI-P3 RGB                                 |
| Display Profile  | Considered                                 |
| Rendering Intent | Relative colorimetric                      |

(1) Five equally spaced code values for each channel

|                      |                                            |
|----------------------|--------------------------------------------|
| Property             | Device adjustments                         |
| Backlight brightness |                                            |
| Brightness           |                                            |
| Contrast             |                                            |
| RGB Gain             |                                            |
| Gradation            |                                            |
| Other                | Hardwarekalibrierung Dell Color Management |