

# Colorimetric Report

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|                  |                                        |
|------------------|----------------------------------------|
| Date             | Monday, April 15, 2024                 |
| Tester           | Simon Blohm                            |
| Display          | Acer Vero CB343CUR                     |
| Sensor           | X-Rite i1 Display Pro (Corr.: Generic) |
| 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)                   | 6204 Kelvin              |
| White Point XYZ (normalized)        | 93.55 100.00 101.27      |
| DeltaE to D50/ D65                  | 14.99/ 5.46              |
| Assumed Target Whitepoint (2)       | 6200 Kelvin              |
| DeltaE to Assumed Target Whitepoint | 3.32                     |
| Brightness                          | 182.97 cd/m <sup>2</sup> |
| Black Point                         | 0.17 cd/m <sup>2</sup>   |
| Contrast (x:1)                      | 1076:1                   |
| Gradation (Average)                 | 2.23                     |

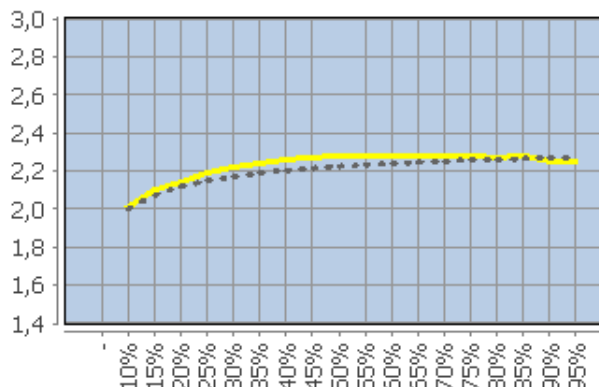
(2) Daylight

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 6451   | 0.51    | 0.51    | 2.01  |
|  | 15          | 6121   | 0.72    | 0.87    | 2.10  |
|  | 20          | 6402   | 0.57    | 0.79    | 2.14  |
|  | 25          | 6235   | 0.11    | 0.74    | 2.19  |
|  | 30          | 6283   | 0.39    | 1.07    | 2.22  |
|  | 35          | 6222   | 0.08    | 1.03    | 2.24  |
|  | 40          | 6200   | 0.02    | 1.10    | 2.26  |
|  | 45          | 6201   | 0.18    | 1.03    | 2.27  |
|  | 50          | 6213   | 0.36    | 0.97    | 2.28  |
|  | 55          | 6206   | 0.36    | 0.82    | 2.28  |
|  | 60          | 6205   | 0.39    | 0.71    | 2.28  |
|  | 65          | 6208   | 0.33    | 0.56    | 2.28  |
|  | 70          | 6196   | 0.33    | 0.45    | 2.28  |
|  | 75          | 6188   | 0.40    | 0.45    | 2.28  |
|  | 80          | 6198   | 0.10    | 0.14    | 2.27  |
|  | 85          | 6207   | 0.13    | 0.16    | 2.28  |
|  | 90          | 6193   | 0.34    | 0.35    | 2.25  |
|  | 95          | 6196   | 0.18    | 0.19    | 2.25  |
|  | 100 (3)     | 6204   | -       | -       | -     |
|  | Average (4) | -      | 0.31    | 0.66    | 2.23  |
|  | Maximum (4) | -      | 0.72    | 1.1     | -     |
|  | Range (4)   | -      | 1.09    | -       | -     |

(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.: Generic) |
| 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      | 0.89    | 0.00    | 0.84    | 1.23      |
|  | 0 0 63     | 5.08    | 2.70    | 0.92    | 2.54      |
|  | 0 0 127    | 8.21    | 5.15    | 0.44    | 2.98      |
|  | 0 0 191    | 8.44    | 6.44    | 0.83    | 2.97      |
|  | 0 0 255    | 8.90    | 7.59    | 1.16    | 3.05      |
|  | 0 63 0     | 5.54    | 0.71    | 1.15    | 2.24      |
|  | 0 63 63    | 1.22    | 0.66    | 0.92    | 1.25      |
|  | 0 63 127   | 1.64    | 2.28    | 0.74    | 1.68      |
|  | 0 63 191   | 3.39    | 4.25    | 0.10    | 2.08      |
|  | 0 63 255   | 5.30    | 6.18    | 0.50    | 2.51      |
|  | 0 127 0    | 4.63    | 0.22    | 1.62    | 1.96      |
|  | 0 127 63   | 3.27    | 0.10    | 1.58    | 1.86      |
|  | 0 127 127  | 0.51    | 0.40    | 1.39    | 1.44      |
|  | 0 127 191  | 0.74    | 1.11    | 0.97    | 1.21      |
|  | 0 127 255  | 0.65    | 3.57    | 0.49    | 1.77      |
|  | 0 191 0    | 4.70    | 0.89    | 1.35    | 1.65      |
|  | 0 191 63   | 3.62    | 0.82    | 1.20    | 1.47      |
|  | 0 191 127  | 2.03    | 0.22    | 1.11    | 1.25      |
|  | 0 191 191  | 0.25    | 0.92    | 0.95    | 1.11      |
|  | 0 191 255  | 1.14    | 1.23    | 0.58    | 1.00      |
|  | 0 255 0    | 5.12    | 0.88    | 1.24    | 1.51      |
|  | 0 255 63   | 4.44    | 0.90    | 1.22    | 1.47      |
|  | 0 255 127  | 3.51    | 0.47    | 1.12    | 1.33      |
|  | 0 255 191  | 2.61    | 1.11    | 1.01    | 1.33      |
|  | 0 255 255  | 0.31    | 1.49    | 0.87    | 1.22      |
|  | 63 0 0     | 4.60    | 1.39    | 0.62    | 2.16      |
|  | 63 0 63    | 5.26    | 0.64    | 0.44    | 1.90      |
|  | 63 0 127   | 7.31    | 3.40    | 0.57    | 2.40      |
|  | 63 0 191   | 7.96    | 5.57    | 0.77    | 2.70      |
|  | 63 0 255   | 8.71    | 7.16    | 1.17    | 2.96      |
|  | 63 63 0    | 3.79    | 0.41    | 0.84    | 1.71      |
|  | 63 63 63   | 0.25    | 0.07    | 0.66    | 0.71      |
|  | 63 63 127  | 2.50    | 2.25    | 0.46    | 1.71      |
|  | 63 63 191  | 3.88    | 4.08    | 0.02    | 2.06      |
|  | 63 63 255  | 5.49    | 5.89    | 0.53    | 2.44      |
|  | 63 127 0   | 4.13    | 0.63    | 1.57    | 1.92      |
|  | 63 127 63  | 2.81    | 0.11    | 1.46    | 1.73      |
|  | 63 127 127 | 0.11    | 0.37    | 1.24    | 1.27      |
|  | 63 127 191 | 0.41    | 1.54    | 0.87    | 1.31      |
|  | 63 127 255 | 1.21    | 3.77    | 0.32    | 1.85      |
|  | 63 191 0   | 3.74    | 0.69    | 1.17    | 1.40      |
|  | 63 191 63  | 3.11    | 0.72    | 1.18    | 1.40      |
|  | 63 191 127 | 1.66    | 0.11    | 1.06    | 1.17      |
|  | 63 191 191 | 0.20    | 0.61    | 0.80    | 0.89      |
|  | 63 191 255 | 0.99    | 1.50    | 0.55    | 1.11      |
|  | 63 255 0   | 4.70    | 1.08    | 1.23    | 1.49      |
|  | 63 255 63  | 4.33    | 0.97    | 1.11    | 1.38      |

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| Tester           | Simon Blohm                            |
| Display          | Acer Vero CB343CUR                     |
| Sensor           | X-Rite i1 Display Pro (Corr.: Generic) |
| 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  | 3.67    | 0.43    | 1.10    | 1.34      |
|  | 63 255 191  | 2.40    | 0.96    | 0.99    | 1.27      |
|  | 63 255 255  | 0.20    | 1.28    | 0.74    | 1.06      |
|  | 127 0 0     | 3.81    | 2.02    | 0.20    | 1.48      |
|  | 127 0 63    | 4.66    | 1.78    | 0.22    | 1.76      |
|  | 127 0 127   | 6.93    | 0.95    | 0.38    | 1.80      |
|  | 127 0 191   | 7.63    | 3.94    | 0.69    | 2.25      |
|  | 127 0 255   | 8.17    | 5.82    | 1.05    | 2.59      |
|  | 127 63 0    | 2.44    | 0.06    | 0.53    | 0.91      |
|  | 127 63 63   | 1.30    | 1.13    | 0.38    | 1.03      |
|  | 127 63 127  | 3.81    | 0.78    | 0.19    | 1.36      |
|  | 127 63 191  | 4.78    | 3.32    | 0.20    | 1.89      |
|  | 127 63 255  | 5.97    | 5.11    | 0.59    | 2.27      |
|  | 127 127 0   | 2.53    | 0.97    | 1.05    | 1.36      |
|  | 127 127 63  | 0.91    | 0.60    | 1.00    | 1.13      |
|  | 127 127 127 | 0.42    | 0.12    | 0.85    | 0.96      |
|  | 127 127 191 | 0.88    | 1.89    | 0.46    | 1.34      |
|  | 127 127 255 | 2.15    | 3.53    | 0.09    | 1.77      |
|  | 127 191 0   | 2.57    | 0.93    | 0.97    | 1.19      |
|  | 127 191 63  | 2.13    | 0.94    | 0.89    | 1.13      |
|  | 127 191 127 | 1.15    | 0.35    | 0.75    | 0.88      |
|  | 127 191 191 | 0.43    | 0.29    | 0.59    | 0.67      |
|  | 127 191 255 | 0.31    | 1.93    | 0.23    | 1.26      |
|  | 127 255 0   | 4.03    | 1.45    | 0.97    | 1.30      |
|  | 127 255 63  | 3.63    | 1.35    | 0.97    | 1.29      |
|  | 127 255 127 | 3.19    | 0.78    | 0.94    | 1.23      |
|  | 127 255 191 | 2.36    | 0.54    | 0.74    | 1.06      |
|  | 127 255 255 | 0.14    | 1.12    | 0.64    | 0.96      |
|  | 191 0 0     | 2.36    | 3.96    | 0.81    | 1.99      |
|  | 191 0 63    | 3.30    | 4.40    | 0.83    | 2.44      |
|  | 191 0 127   | 6.28    | 2.28    | 0.88    | 2.03      |
|  | 191 0 191   | 7.70    | 1.34    | 1.10    | 1.93      |
|  | 191 0 255   | 8.70    | 3.73    | 1.40    | 2.38      |
|  | 191 63 0    | 0.56    | 2.49    | 0.14    | 1.19      |
|  | 191 63 63   | 1.19    | 2.83    | 0.25    | 1.56      |
|  | 191 63 127  | 4.23    | 2.09    | 0.39    | 1.68      |
|  | 191 63 191  | 5.60    | 1.11    | 0.61    | 1.48      |
|  | 191 63 255  | 6.67    | 3.32    | 0.99    | 1.99      |
|  | 191 127 0   | 0.06    | 0.41    | 0.44    | 0.48      |
|  | 191 127 63  | 0.59    | 0.25    | 0.35    | 0.43      |
|  | 191 127 127 | 0.37    | 1.65    | 0.28    | 1.22      |
|  | 191 127 191 | 2.55    | 0.62    | 0.04    | 0.96      |
|  | 191 127 255 | 3.70    | 2.60    | 0.35    | 1.55      |
|  | 191 191 0   | 0.86    | 1.36    | 0.48    | 0.81      |
|  | 191 191 63  | 0.35    | 1.40    | 0.35    | 0.80      |
|  | 191 191 127 | 0.46    | 0.57    | 0.31    | 0.52      |
|  | 191 191 191 | 0.47    | 0.14    | 0.16    | 0.52      |

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| Date             | Monday, April 15, 2024                 |
| Tester           | Simon Blohm                            |
| Display          | Acer Vero CB343CUR                     |
| Sensor           | X-Rite i1 Display Pro (Corr.: Generic) |
| 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     | 1.18    | 1.75    | 0.10    | 1.25      |
|  | 191 255 0       | 2.86    | 2.32    | 0.65    | 1.24      |
|  | 191 255 63      | 2.45    | 2.19    | 0.62    | 1.21      |
|  | 191 255 127     | 2.28    | 1.68    | 0.51    | 1.13      |
|  | 191 255 191     | 1.99    | 0.25    | 0.48    | 0.87      |
|  | 191 255 255     | 0.18    | 0.58    | 0.29    | 0.54      |
|  | 255 0 0         | 0.01    | 6.54    | 1.37    | 2.89      |
|  | 255 0 63        | 2.05    | 5.90    | 1.46    | 2.92      |
|  | 255 0 127       | 5.15    | 4.76    | 1.43    | 2.75      |
|  | 255 0 191       | 7.46    | 1.40    | 1.56    | 2.19      |
|  | 255 0 255       | 8.81    | 1.29    | 1.72    | 2.28      |
|  | 255 63 0        | 0.47    | 4.86    | 1.00    | 2.21      |
|  | 255 63 63       | 0.87    | 4.72    | 1.10    | 2.37      |
|  | 255 63 127      | 3.66    | 4.29    | 1.09    | 2.44      |
|  | 255 63 191      | 6.18    | 1.53    | 1.29    | 1.94      |
|  | 255 63 255      | 7.56    | 1.24    | 1.47    | 2.03      |
|  | 255 127 0       | 1.53    | 1.88    | 0.46    | 0.99      |
|  | 255 127 63      | 1.09    | 2.21    | 0.49    | 1.20      |
|  | 255 127 127     | 0.66    | 3.06    | 0.60    | 1.81      |
|  | 255 127 191     | 3.64    | 1.46    | 0.74    | 1.49      |
|  | 255 127 255     | 5.21    | 0.95    | 0.99    | 1.58      |
|  | 255 191 0       | 0.94    | 0.50    | 0.23    | 0.37      |
|  | 255 191 63      | 1.16    | 0.13    | 0.24    | 0.37      |
|  | 255 191 127     | 1.12    | 0.86    | 0.26    | 0.69      |
|  | 255 191 191     | 0.84    | 1.64    | 0.43    | 1.33      |
|  | 255 191 255     | 3.15    | 0.55    | 0.63    | 1.33      |
|  | 255 255 0       | 1.19    | 2.23    | 0.28    | 0.98      |
|  | 255 255 63      | 1.06    | 2.19    | 0.27    | 1.01      |
|  | 255 255 127     | 0.81    | 1.61    | 0.20    | 0.88      |
|  | 255 255 191     | 0.63    | 0.75    | 0.10    | 0.58      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 3.05    | 1.93    | 0.75    | 1.54      |
|  | Maximum (2)     | 8.90    | 7.59    | 1.72    | 3.05      |

(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        | 92%                     |

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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           | 30                 |
| Contrast             |                    |
| RGB Gain             |                    |
| Gradation            |                    |
| Other                | Farbraum sRGB      |