

# Colorimetric Report

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|                  |                                       |
|------------------|---------------------------------------|
| Date             | Sunday, February 8, 2015              |
| Display          | BenQ_BL3201PT                         |
| Sensor           | X-Rite i1 Pro                         |
| 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)                   | 6187 Kelvin              |
| White Point XYZ (normalized)        | 91.51 100.00 97.18       |
| DeltaE to D50/ D65                  | 14.15/ 9.74              |
| Assumed Target Whitepoint (2)       | 6200 Kelvin              |
| DeltaE to Assumed Target Whitepoint | 7.85                     |
| Brightness (3)                      | 284.00 cd/m <sup>2</sup> |
| Black Point (3)                     | 0.30 cd/m <sup>2</sup>   |
| Contrast (x:1)                      | 947:1                    |
| Gradation (Average)                 | 2.72                     |

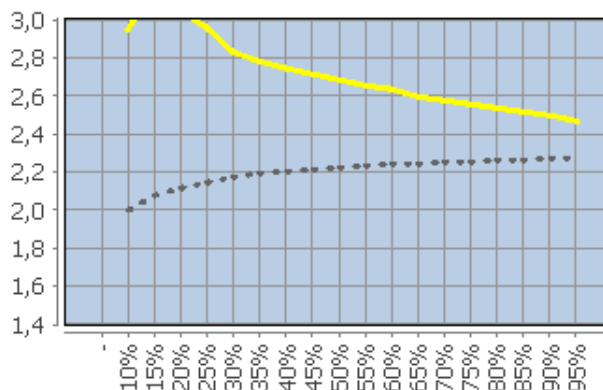
(2) Daylight (3) Measured with i1 Display Pro

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 8485   | 0.74    | 8.22    | 2.95  |
|  | 15          | 6705   | 0.82    | 13.05   | 3.18  |
|  | 20          | 6485   | 1.30    | 14.67   | 3.05  |
|  | 25          | 6335   | 1.45    | 13.51   | 2.96  |
|  | 30          | 6329   | 1.43    | 11.39   | 2.83  |
|  | 35          | 6308   | 1.51    | 10.25   | 2.78  |
|  | 40          | 6231   | 1.63    | 9.16    | 2.74  |
|  | 45          | 6243   | 1.75    | 8.10    | 2.71  |
|  | 50          | 6232   | 1.74    | 7.13    | 2.68  |
|  | 55          | 6228   | 1.66    | 6.23    | 2.65  |
|  | 60          | 6220   | 1.49    | 5.32    | 2.63  |
|  | 65          | 6213   | 1.33    | 4.36    | 2.60  |
|  | 70          | 6219   | 1.14    | 3.54    | 2.58  |
|  | 75          | 6199   | 0.93    | 2.86    | 2.56  |
|  | 80          | 6190   | 0.60    | 2.08    | 2.54  |
|  | 85          | 6191   | 0.34    | 1.42    | 2.52  |
|  | 90          | 6199   | 0.38    | 0.93    | 2.50  |
|  | 95          | 6201   | 0.28    | 0.48    | 2.47  |
|  | 100 (4)     | 6187   | -       | -       | -     |
|  | Average (5) | -      | 1.18    | 5.78    | 2.72  |
|  | Maximum (5) | -      | 1.75    | 13.51   | -     |
|  | Range (5)   | -      | 1.75    | -       | -     |

(4) Visual adaptation to display whitepoint is assumed

(5) Only luminance > 1% considered

### Corresponding Gamma



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| Date             | Sunday, February 8, 2015              |
| Display          | BenQ_BL3201PT                         |
| Sensor           | X-Rite i1 Pro                         |
| 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      | 0.95    | 0.00    | 1.28    | 1.60      |
|  | 0 0 63     | 14.99   | 1.94    | 4.85    | 7.12      |
|  | 0 0 127    | 36.33   | 2.94    | 15.25   | 17.23     |
|  | 0 0 191    | 17.41   | 3.39    | 8.32    | 8.93      |
|  | 0 0 255    | 1.01    | 3.75    | 1.55    | 1.99      |
|  | 0 63 0     | 9.42    | 0.24    | 4.90    | 5.84      |
|  | 0 63 63    | 4.57    | 0.38    | 7.23    | 7.65      |
|  | 0 63 127   | 33.81   | 16.02   | 3.42    | 15.65     |
|  | 0 63 191   | 29.93   | 9.45    | 2.01    | 8.10      |
|  | 0 63 255   | 13.17   | 3.94    | 3.26    | 4.18      |
|  | 0 127 0    | 7.95    | 5.38    | 4.63    | 5.64      |
|  | 0 127 63   | 21.74   | 17.48   | 2.71    | 12.03     |
|  | 0 127 127  | 0.02    | 0.80    | 1.76    | 1.85      |
|  | 0 127 191  | 11.20   | 10.85   | 2.54    | 8.12      |
|  | 0 127 255  | 11.29   | 6.37    | 3.61    | 5.38      |
|  | 0 191 0    | 7.63    | 7.55    | 2.79    | 4.40      |
|  | 0 191 63   | 18.05   | 15.43   | 2.31    | 8.16      |
|  | 0 191 127  | 9.90    | 11.46   | 1.63    | 6.83      |
|  | 0 191 191  | 0.29    | 0.80    | 1.71    | 1.78      |
|  | 0 191 255  | 2.47    | 4.94    | 1.27    | 3.28      |
|  | 0 255 0    | 6.17    | 9.34    | 0.44    | 3.50      |
|  | 0 255 63   | 11.78   | 13.21   | 0.44    | 5.36      |
|  | 0 255 127  | 8.07    | 10.75   | 0.39    | 4.86      |
|  | 0 255 191  | 2.04    | 5.84    | 0.54    | 3.01      |
|  | 0 255 255  | 0.99    | 0.34    | 0.82    | 0.89      |
|  | 63 0 0     | 19.71   | 3.92    | 5.43    | 9.96      |
|  | 63 0 63    | 5.57    | 1.83    | 2.01    | 2.99      |
|  | 63 0 127   | 27.98   | 8.85    | 7.52    | 10.76     |
|  | 63 0 191   | 18.76   | 6.90    | 5.22    | 6.74      |
|  | 63 0 255   | 1.09    | 5.70    | 0.05    | 1.93      |
|  | 63 63 0    | 18.44   | 0.24    | 13.58   | 15.35     |
|  | 63 63 63   | 1.35    | 0.11    | 13.65   | 13.72     |
|  | 63 63 127  | 46.10   | 6.42    | 6.44    | 17.91     |
|  | 63 63 191  | 52.65   | 6.30    | 0.25    | 12.00     |
|  | 63 63 255  | 17.24   | 2.27    | 5.25    | 6.04      |
|  | 63 127 0   | 9.58    | 4.70    | 0.39    | 3.44      |
|  | 63 127 63  | 27.67   | 8.32    | 1.83    | 10.60     |
|  | 63 127 127 | 6.27    | 0.01    | 3.43    | 4.69      |
|  | 63 127 191 | 28.95   | 12.55   | 2.24    | 13.25     |
|  | 63 127 255 | 14.20   | 3.87    | 4.98    | 6.26      |
|  | 63 191 0   | 9.87    | 2.04    | 0.85    | 2.26      |
|  | 63 191 63  | 32.56   | 11.14   | 8.09    | 11.93     |
|  | 63 191 127 | 27.83   | 14.79   | 4.97    | 12.49     |
|  | 63 191 191 | 6.36    | 1.64    | 4.34    | 5.10      |
|  | 63 191 255 | 3.97    | 0.15    | 0.48    | 1.42      |
|  | 63 255 0   | 8.20    | 6.52    | 0.04    | 2.70      |
|  | 63 255 63  | 18.54   | 11.75   | 0.27    | 5.50      |

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|------------------|---------------------------------------|
| Date             | Sunday, February 8, 2015              |
| Display          | BenQ_BL3201PT                         |
| Sensor           | X-Rite i1 Pro                         |
| 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  | 17.60   | 12.15   | 0.22    | 6.38      |
|  | 63 255 191  | 6.46    | 4.85    | 0.50    | 3.04      |
|  | 63 255 255  | 2.40    | 0.35    | 0.87    | 1.18      |
|  | 127 0 0     | 7.15    | 1.46    | 4.65    | 5.08      |
|  | 127 0 63    | 4.75    | 13.29   | 5.25    | 9.31      |
|  | 127 0 127   | 12.09   | 2.55    | 6.73    | 7.45      |
|  | 127 0 191   | 10.12   | 7.22    | 1.61    | 3.85      |
|  | 127 0 255   | 2.41    | 6.50    | 1.25    | 2.61      |
|  | 127 63 0    | 0.60    | 12.41   | 9.79    | 12.07     |
|  | 127 63 63   | 8.96    | 2.07    | 9.98    | 10.77     |
|  | 127 63 127  | 21.03   | 0.86    | 5.99    | 9.23      |
|  | 127 63 191  | 48.68   | 3.98    | 0.95    | 11.14     |
|  | 127 63 255  | 16.17   | 0.08    | 5.05    | 5.75      |
|  | 127 127 0   | 1.42    | 3.67    | 7.56    | 7.82      |
|  | 127 127 63  | 8.84    | 3.22    | 7.43    | 8.43      |
|  | 127 127 127 | 1.84    | 0.16    | 6.98    | 7.22      |
|  | 127 127 191 | 43.53   | 4.43    | 5.11    | 17.42     |
|  | 127 127 255 | 24.86   | 5.31    | 9.18    | 11.18     |
|  | 127 191 0   | 9.86    | 1.27    | 0.86    | 2.32      |
|  | 127 191 63  | 30.82   | 0.65    | 2.13    | 7.79      |
|  | 127 191 127 | 36.19   | 6.31    | 0.92    | 13.09     |
|  | 127 191 191 | 11.54   | 0.37    | 0.44    | 5.91      |
|  | 127 191 255 | 7.34    | 4.93    | 2.17    | 4.69      |
|  | 127 255 0   | 9.82    | 4.66    | 0.28    | 2.44      |
|  | 127 255 63  | 21.44   | 6.90    | 0.33    | 4.79      |
|  | 127 255 127 | 39.18   | 12.16   | 1.45    | 10.40     |
|  | 127 255 191 | 19.42   | 4.12    | 1.09    | 6.22      |
|  | 127 255 255 | 10.58   | 0.50    | 0.46    | 4.01      |
|  | 191 0 0     | 1.91    | 3.82    | 2.73    | 3.23      |
|  | 191 0 63    | 5.50    | 16.82   | 3.13    | 8.90      |
|  | 191 0 127   | 3.51    | 3.53    | 3.04    | 3.57      |
|  | 191 0 191   | 7.01    | 2.78    | 3.07    | 3.55      |
|  | 191 0 255   | 2.34    | 5.24    | 1.17    | 2.25      |
|  | 191 63 0    | 9.03    | 4.41    | 6.19    | 6.85      |
|  | 191 63 63   | 13.70   | 6.83    | 6.45    | 8.30      |
|  | 191 63 127  | 6.74    | 0.57    | 6.12    | 6.41      |
|  | 191 63 191  | 29.46   | 1.70    | 3.58    | 7.49      |
|  | 191 63 255  | 12.84   | 0.71    | 2.53    | 3.39      |
|  | 191 127 0   | 6.42    | 6.92    | 6.22    | 7.30      |
|  | 191 127 63  | 14.10   | 0.84    | 6.11    | 7.59      |
|  | 191 127 127 | 5.60    | 0.95    | 5.86    | 6.43      |
|  | 191 127 191 | 24.61   | 0.75    | 4.27    | 9.51      |
|  | 191 127 255 | 24.52   | 6.22    | 6.02    | 8.81      |
|  | 191 191 0   | 6.70    | 3.90    | 3.33    | 4.07      |
|  | 191 191 63  | 14.43   | 3.87    | 3.22    | 5.32      |
|  | 191 191 127 | 6.43    | 1.83    | 3.04    | 4.15      |
|  | 191 191 191 | 0.98    | 0.14    | 2.67    | 2.85      |

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|                  |                                       |
|------------------|---------------------------------------|
| Date             | Sunday, February 8, 2015              |
| Display          | BenQ_BL3201PT                         |
| Sensor           | X-Rite i1 Pro                         |
| 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     | 11.84   | 1.74    | 4.52    | 6.60      |
|  | 191 255 0       | 10.79   | 4.23    | 0.35    | 2.60      |
|  | 191 255 63      | 21.92   | 5.68    | 0.27    | 4.94      |
|  | 191 255 127     | 40.12   | 8.82    | 1.35    | 10.91     |
|  | 191 255 191     | 24.54   | 3.82    | 1.57    | 9.20      |
|  | 191 255 255     | 10.19   | 0.21    | 0.75    | 5.32      |
|  | 255 0 0         | 10.14   | 9.00    | 1.49    | 4.20      |
|  | 255 0 63        | 12.19   | 17.98   | 1.77    | 8.16      |
|  | 255 0 127       | 0.75    | 7.00    | 1.74    | 3.55      |
|  | 255 0 191       | 0.02    | 0.27    | 1.33    | 1.33      |
|  | 255 0 255       | 2.37    | 3.41    | 0.64    | 1.45      |
|  | 255 63 0        | 15.06   | 2.57    | 4.00    | 4.99      |
|  | 255 63 63       | 17.23   | 10.48   | 4.17    | 7.21      |
|  | 255 63 127      | 7.50    | 2.73    | 4.08    | 4.61      |
|  | 255 63 191      | 7.32    | 1.45    | 3.55    | 3.91      |
|  | 255 63 255      | 11.61   | 2.63    | 2.94    | 3.71      |
|  | 255 127 0       | 13.63   | 3.70    | 4.77    | 5.77      |
|  | 255 127 63      | 18.47   | 3.17    | 4.73    | 6.63      |
|  | 255 127 127     | 8.81    | 0.24    | 4.54    | 5.23      |
|  | 255 127 191     | 8.18    | 2.03    | 4.04    | 4.78      |
|  | 255 127 255     | 23.47   | 1.62    | 6.82    | 8.61      |
|  | 255 191 0       | 10.93   | 3.73    | 2.87    | 4.03      |
|  | 255 191 63      | 17.51   | 0.80    | 2.78    | 5.05      |
|  | 255 191 127     | 8.56    | 0.03    | 2.63    | 3.89      |
|  | 255 191 191     | 3.05    | 0.94    | 2.32    | 2.82      |
|  | 255 191 255     | 14.10   | 1.31    | 4.29    | 6.66      |
|  | 255 255 0       | 12.77   | 3.48    | 0.39    | 2.80      |
|  | 255 255 63      | 18.23   | 3.77    | 0.41    | 4.08      |
|  | 255 255 127     | 12.09   | 2.34    | 0.38    | 3.41      |
|  | 255 255 191     | 4.73    | 0.89    | 0.24    | 2.04      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 13.65   | 4.77    | 3.42    | 6.41      |
|  | Maximum (2)     | 52.65   | 17.98   | 15.25   | 17.91     |

(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        | 97%                     |