

# Colorimetric Report

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|                  |                 |
|------------------|-----------------|
| Test Device      | BenQ EW2740L    |
| Target           | Display Profile |
| Display Profile  | not considered  |
| Rendering Intent | -               |

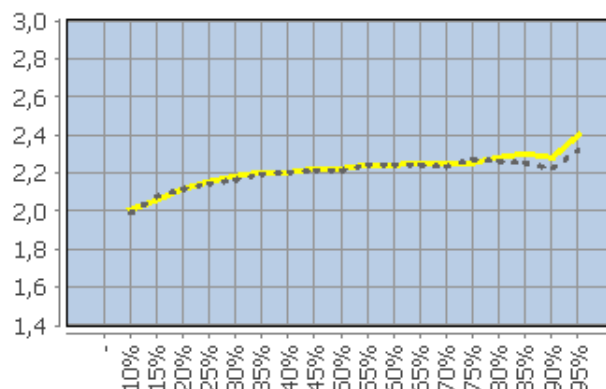
|                                     |                    |
|-------------------------------------|--------------------|
| White Point / CCT Kelvin            | 6447K              |
| White Point XYZ (normalized)        | 94.91 100.0 107.78 |
| DeltaE to D50/ D65                  | 18.8/ 0.72         |
| DeltaE to Blackbody Curve *         | 0.24               |
| Assumed Target Whitepoint           | 6400K              |
| DeltaE to Assumed Target Whitepoint | 0.41               |
| Brightness / cd/m <sup>2</sup> **   | 139.1              |
| Black Point / cd/m <sup>2</sup> **  | 0.06               |
| Contrast / x:1                      | 2318:1             |
| Gradation (Average)                 | 2.21               |

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

|  | Percent | Kelvin | deltaC | deltaE | Gamma |
|--|---------|--------|--------|--------|-------|
|  | 5       | -      | -      | -      | -     |
|  | 10      | 6740   | 0.99   | 1.0    | 2.01  |
|  | 15      | 6365   | 0.85   | 0.87   | 2.06  |
|  | 20      | 6512   | 0.54   | 0.57   | 2.11  |
|  | 25      | 6581   | 0.41   | 0.41   | 2.15  |
|  | 30      | 6446   | 0.06   | 0.21   | 2.18  |
|  | 35      | 6505   | 0.23   | 0.28   | 2.2   |
|  | 40      | 6451   | 0.53   | 0.54   | 2.2   |
|  | 45      | 6438   | 0.53   | 0.54   | 2.22  |
|  | 50      | 6474   | 0.14   | 0.14   | 2.22  |
|  | 55      | 6489   | 0.56   | 0.58   | 2.24  |
|  | 60      | 6464   | 0.22   | 0.23   | 2.24  |
|  | 65      | 6459   | 0.33   | 0.35   | 2.25  |
|  | 70      | 6501   | 0.42   | 0.42   | 2.25  |
|  | 75      | 6498   | 0.46   | 0.46   | 2.25  |
|  | 80      | 6484   | 0.66   | 0.68   | 2.28  |
|  | 85      | 6488   | 0.54   | 0.57   | 2.3   |
|  | 90      | 6463   | 0.12   | 0.12   | 2.28  |
|  | 95      | 6474   | 0.56   | 0.61   | 2.4   |
|  | 100     | 6448   | -      | -      | -     |
|  | Average | -      | 0.45*  | 0.48*  | 2.21  |
|  | Maximum | -      | 0.99*  | 1.0*   | -     |
|  | Range   | -      | 1.5*   | -      | -     |

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

Corresponding Gamma



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|                  |                 |
|------------------|-----------------|
| Test Device      | BenQ EW2740L    |
| Target           | Display Profile |
| Display Profile  | not considered  |
| Rendering Intent | -               |

|  | RGB        | deltaC | deltaH | deltaL | deltaE94 |
|--|------------|--------|--------|--------|----------|
|  | 255 0 0    | 0.3    | 0.58   | 0.16   | 0.28     |
|  | 0 255 0    | 0.22   | 0.19   | 0.22   | 0.23     |
|  | 0 0 255    | 0.38   | 0.09   | 0.02   | 0.06     |
|  | 0 255 255  | 0.09   | 0.29   | 0.01   | 0.18     |
|  | 255 0 255  | 0.28   | 0.47   | 0.19   | 0.26     |
|  | 255 255 0  | 0.58   | 0.38   | 0.24   | 0.3      |
|  | 170 85 85  | 0.19   | 0.88   | 0.06   | 0.58     |
|  | 85 170 85  | 0.04   | 0.92   | 0.23   | 0.55     |
|  | 85 85 170  | 0.11   | 0.39   | 0.31   | 0.38     |
|  | 85 170 170 | 0.46   | 0.02   | 0.18   | 0.29     |
|  | 170 85 170 | 0.63   | 0.39   | 0.05   | 0.28     |
|  | 170 170 85 | 1.16   | 0.13   | 0.12   | 0.39     |
|  | 229 0 0    | 0.79   | 0.46   | 0.1    | 0.26     |
|  | 204 0 0    | 1.65   | 1.38   | 0.01   | 0.68     |
|  | 178 0 0    | 1.8    | 1.23   | 0.09   | 0.69     |
|  | 153 0 0    | 1.86   | 1.23   | 0.03   | 0.75     |
|  | 127 0 0    | 1.46   | 0.94   | 0.0    | 0.64     |
|  | 102 0 0    | 1.69   | 0.59   | 0.17   | 0.65     |
|  | 76 0 0     | 1.68   | 0.32   | 0.0    | 0.66     |
|  | 0 229 0    | 0.63   | 1.36   | 0.53   | 0.75     |
|  | 0 204 0    | 0.86   | 1.97   | 0.78   | 1.11     |
|  | 0 178 0    | 0.92   | 2.29   | 0.73   | 1.22     |
|  | 0 153 0    | 1.59   | 2.42   | 0.78   | 1.38     |
|  | 0 127 0    | 1.13   | 2.51   | 0.72   | 1.43     |
|  | 0 102 0    | 1.13   | 2.11   | 0.52   | 1.25     |
|  | 0 76 0     | 1.36   | 1.91   | 1.05   | 1.58     |
|  | 0 0 229    | 1.61   | 1.69   | 0.93   | 1.12     |
|  | 0 0 204    | 1.73   | 2.1    | 1.03   | 1.31     |
|  | 0 0 178    | 2.07   | 2.44   | 1.24   | 1.6      |
|  | 0 0 153    | 1.65   | 2.32   | 1.33   | 1.67     |
|  | 0 0 127    | 1.47   | 2.28   | 1.28   | 1.67     |
|  | 0 0 102    | 0.02   | 1.65   | 0.78   | 1.12     |
|  | 0 0 76     | 1.96   | 0.18   | 0.61   | 0.84     |
|  | 0 229 229  | 0.64   | 0.7    | 0.22   | 0.53     |
|  | 0 204 204  | 0.95   | 0.96   | 0.41   | 0.82     |
|  | 0 178 178  | 1.08   | 1.24   | 0.17   | 0.94     |
|  | 0 153 153  | 1.16   | 1.67   | 0.3    | 1.28     |
|  | 0 127 127  | 1.0    | 1.52   | 0.17   | 1.19     |
|  | 0 102 102  | 1.48   | 2.19   | 0.09   | 1.78     |
|  | 0 76 76    | 0.79   | 1.98   | 0.25   | 1.62     |
|  | 229 0 229  | 1.23   | 0.05   | 0.45   | 0.5      |
|  | 204 0 204  | 1.42   | 0.17   | 0.49   | 0.56     |
|  | 178 0 178  | 1.68   | 0.03   | 0.46   | 0.57     |
|  | 153 0 153  | 1.35   | 0.36   | 0.47   | 0.58     |
|  | 127 0 127  | 1.29   | 0.27   | 0.6    | 0.69     |
|  | 102 0 102  | 0.69   | 0.24   | 0.45   | 0.5      |
|  | 76 0 76    | 0.06   | 0.26   | 0.25   | 0.29     |

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|                  |                 |
|------------------|-----------------|
| Test Device      | BenQ EW2740L    |
| Target           | Display Profile |
| Display Profile  | not considered  |
| Rendering Intent | -               |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 229 229 0   | 1.09   | 0.07   | 0.42   | 0.46     |
|  | 204 204 0   | 2.28   | 0.16   | 0.54   | 0.71     |
|  | 178 178 0   | 2.6    | 0.02   | 0.45   | 0.71     |
|  | 153 153 0   | 2.76   | 0.21   | 0.63   | 0.9      |
|  | 127 127 0   | 2.84   | 0.05   | 0.45   | 0.86     |
|  | 102 102 0   | 2.96   | 0.09   | 0.35   | 0.92     |
|  | 76 76 0     | 2.64   | 0.38   | 0.66   | 1.12     |
|  | 255 25 25   | 0.07   | 0.03   | 0.16   | 0.16     |
|  | 255 51 51   | 0.97   | 1.1    | 0.02   | 0.52     |
|  | 255 76 76   | 0.55   | 1.22   | 0.19   | 0.61     |
|  | 255 102 102 | 0.74   | 0.8    | 0.04   | 0.46     |
|  | 255 127 127 | 0.6    | 0.85   | 0.13   | 0.53     |
|  | 255 153 153 | 0.57   | 0.87   | 0.13   | 0.6      |
|  | 255 178 178 | 0.62   | 0.84   | 0.04   | 0.65     |
|  | 255 204 204 | 0.41   | 0.89   | 0.26   | 0.78     |
|  | 255 229 229 | 0.31   | 0.42   | 0.13   | 0.45     |
|  | 25 255 25   | 0.41   | 0.43   | 0.07   | 0.18     |
|  | 51 255 51   | 0.16   | 0.46   | 0.07   | 0.19     |
|  | 76 255 76   | 0.05   | 0.65   | 0.12   | 0.28     |
|  | 102 255 102 | 0.23   | 0.79   | 0.06   | 0.35     |
|  | 127 255 127 | 0.33   | 0.93   | 0.03   | 0.44     |
|  | 153 255 153 | 0.54   | 0.96   | 0.03   | 0.52     |
|  | 178 255 178 | 1.01   | 0.69   | 0.06   | 0.52     |
|  | 204 255 204 | 0.78   | 0.71   | 0.05   | 0.59     |
|  | 229 255 229 | 0.7    | 0.41   | 0.06   | 0.53     |
|  | 25 25 255   | 1.34   | 0.64   | 0.46   | 0.54     |
|  | 51 51 255   | 1.8    | 1.1    | 0.64   | 0.8      |
|  | 76 76 255   | 1.3    | 0.87   | 0.49   | 0.64     |
|  | 102 102 255 | 1.91   | 1.27   | 0.79   | 1.03     |
|  | 127 127 255 | 1.41   | 1.05   | 0.69   | 0.91     |
|  | 153 153 255 | 0.94   | 0.9    | 0.51   | 0.75     |
|  | 178 178 255 | 0.87   | 1.08   | 0.49   | 0.87     |
|  | 204 204 255 | 0.09   | 0.56   | 0.18   | 0.43     |
|  | 229 229 255 | 0.01   | 0.37   | 0.13   | 0.34     |
|  | 25 255 255  | 0.01   | 0.15   | 0.03   | 0.1      |
|  | 51 255 255  | 0.13   | 0.1    | 0.04   | 0.08     |
|  | 76 255 255  | 0.29   | 0.16   | 0.05   | 0.15     |
|  | 102 255 255 | 0.46   | 0.04   | 0.15   | 0.23     |
|  | 127 255 255 | 0.54   | 0.01   | 0.09   | 0.23     |
|  | 153 255 255 | 0.72   | 0.0    | 0.17   | 0.36     |
|  | 178 255 255 | 0.64   | 0.02   | 0.18   | 0.37     |
|  | 204 255 255 | 0.61   | 0.11   | 0.11   | 0.39     |
|  | 229 255 255 | 0.37   | 0.14   | 0.05   | 0.3      |

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|                  |                 |
|------------------|-----------------|
| Test Device      | BenQ EW2740L    |
| Target           | Display Profile |
| Display Profile  | not considered  |
| Rendering Intent | -               |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 255 25 255  | 0.18   | 0.4    | 0.0    | 0.15     |
|  | 255 51 255  | 0.64   | 0.38   | 0.16   | 0.24     |
|  | 255 76 255  | 0.64   | 0.45   | 0.14   | 0.26     |
|  | 255 102 255 | 1.34   | 0.53   | 0.4    | 0.53     |
|  | 255 127 255 | 1.25   | 0.65   | 0.29   | 0.5      |
|  | 255 153 255 | 1.13   | 0.69   | 0.28   | 0.54     |
|  | 255 178 255 | 1.21   | 0.74   | 0.31   | 0.66     |
|  | 255 204 255 | 0.5    | 0.7    | 0.04   | 0.52     |
|  | 255 229 255 | 0.33   | 0.5    | 0.04   | 0.45     |
|  | 255 255 25  | 0.34   | 0.28   | 0.09   | 0.15     |
|  | 255 255 51  | 0.4    | 0.19   | 0.1    | 0.15     |
|  | 255 255 76  | 0.4    | 0.29   | 0.08   | 0.17     |
|  | 255 255 102 | 0.68   | 0.36   | 0.15   | 0.27     |
|  | 255 255 127 | 0.64   | 0.31   | 0.14   | 0.26     |
|  | 255 255 153 | 0.63   | 0.37   | 0.15   | 0.32     |
|  | 255 255 178 | 0.83   | 0.36   | 0.13   | 0.39     |
|  | 255 255 204 | 0.63   | 0.49   | 0.18   | 0.49     |
|  | 255 255 229 | 0.38   | 0.37   | 0.19   | 0.43     |
|  | 213 255 0   | 0.09   | 0.78   | 0.11   | 0.32     |
|  | 159 191 0   | 2.37   | 0.39   | 0.38   | 0.64     |
|  | 106 128 0   | 2.68   | 0.7    | 0.5    | 0.92     |
|  | 0 255 85    | 1.19   | 0.97   | 0.11   | 0.46     |
|  | 0 191 64    | 1.2    | 0.94   | 0.2    | 0.54     |
|  | 0 128 42    | 1.51   | 0.86   | 0.1    | 0.63     |
|  | 0 128 255   | 1.45   | 2.03   | 0.58   | 1.16     |
|  | 0 96 191    | 0.91   | 0.5    | 0.34   | 0.5      |
|  | 0 64 128    | 1.18   | 0.26   | 0.38   | 0.58     |
|  | 170 0 255   | 0.12   | 0.22   | 0.02   | 0.08     |
|  | 127 0 191   | 1.92   | 0.79   | 0.58   | 0.75     |
|  | 85 0 128    | 1.54   | 0.69   | 0.68   | 0.83     |
|  | 255 0 42    | 0.45   | 0.9    | 0.21   | 0.44     |
|  | 191 0 32    | 0.96   | 1.39   | 0.1    | 0.7      |
|  | 128 0 21    | 0.48   | 0.1    | 0.1    | 0.18     |
|  | 170 85 0    | 1.94   | 2.44   | 0.33   | 1.36     |
|  | 0 170 85    | 1.85   | 0.41   | 0.37   | 0.66     |
|  | 85 0 170    | 2.05   | 1.25   | 0.83   | 1.05     |
|  | 0 85 170    | 1.0    | 0.27   | 0.54   | 0.63     |
|  | 170 0 85    | 0.37   | 0.65   | 0.14   | 0.38     |
|  | 85 170 0    | 2.05   | 1.53   | 0.73   | 1.09     |
|  | 123 127 127 | 0.13   | 0.01   | 0.08   | 0.15     |
|  | 127 123 127 | 0.11   | 0.01   | 0.04   | 0.1      |
|  | 127 127 123 | 0.06   | 0.02   | 0.05   | 0.07     |
|  | Average     | 0.97   | 0.75   | 0.3    | 0.62     |
|  | Maximum     | 2.96   | 2.51   | 1.33   | 1.78     |