

# Colorimetric Report

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|                  |                       |
|------------------|-----------------------|
| Test Device      | BenQ_VW2430H          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

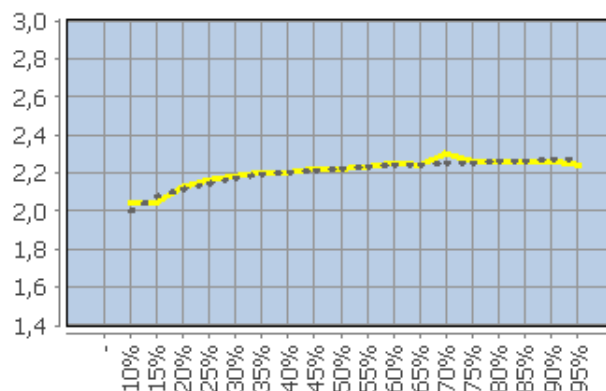
|                                     |                    |
|-------------------------------------|--------------------|
| White Point / CCT Kelvin            | 6439K              |
| White Point XYZ (normalized)        | 95.49 100.0 108.69 |
| DeltaE to D50/ D65                  | 19.3/ 0.78         |
| DeltaE to Blackbody Curve *         | 0.96               |
| Assumed Target Whitepoint           | 6400K              |
| DeltaE to Assumed Target Whitepoint | 1.19               |
| Brightness / cd/m <sup>2</sup> **   | 141.3              |
| Black Point / cd/m <sup>2</sup> **  | 0.033              |
| Contrast / x:1                      | 4282:1             |
| Gradation (Average)                 | 2.21               |

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

|  | Percent | Kelvin | deltaC | deltaE | Gamma |
|--|---------|--------|--------|--------|-------|
|  | 5       | -      | -      | -      | -     |
|  | 10      | 6695   | 0.43   | 0.73   | 2.05  |
|  | 15      | 6248   | 0.48   | 0.65   | 2.05  |
|  | 20      | 6611   | 0.44   | 0.44   | 2.12  |
|  | 25      | 6428   | 0.46   | 0.51   | 2.16  |
|  | 30      | 6387   | 0.2    | 0.22   | 2.18  |
|  | 35      | 6483   | 0.17   | 0.35   | 2.2   |
|  | 40      | 6371   | 0.98   | 0.98   | 2.2   |
|  | 45      | 6379   | 0.34   | 0.35   | 2.22  |
|  | 50      | 6460   | 0.3    | 0.34   | 2.22  |
|  | 55      | 6449   | 0.08   | 0.11   | 2.23  |
|  | 60      | 6443   | 0.7    | 0.71   | 2.25  |
|  | 65      | 6438   | 0.21   | 0.26   | 2.24  |
|  | 70      | 6494   | 0.93   | 0.98   | 2.3   |
|  | 75      | 6493   | 0.68   | 0.69   | 2.26  |
|  | 80      | 6488   | 0.39   | 0.39   | 2.26  |
|  | 85      | 6451   | 0.18   | 0.2    | 2.26  |
|  | 90      | 6443   | 0.19   | 0.26   | 2.26  |
|  | 95      | 6439   | 0.17   | 0.17   | 2.24  |
|  | 100     | 6440   | -      | -      | -     |
|  | Average | -      | 0.41*  | 0.45*  | 2.21  |
|  | Maximum | -      | 0.98*  | 0.98*  | -     |
|  | Range   | -      | 1.9*   | -      | -     |

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

Corresponding Gamma



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|                  |                       |
|------------------|-----------------------|
| Test Device      | BenQ_VW2430H          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB        | deltaC | deltaH | deltaL | deltaE94 |
|--|------------|--------|--------|--------|----------|
|  | 255 0 0    | 6.2    | 1.14   | 3.62   | 3.8      |
|  | 0 255 0    | 8.83   | 6.41   | 0.62   | 2.75     |
|  | 0 0 255    | 2.94   | 3.04   | 1.61   | 1.94     |
|  | 0 255 255  | 10.55  | 2.07   | 1.03   | 3.6      |
|  | 255 0 255  | 4.83   | 3.52   | 1.18   | 1.91     |
|  | 255 255 0  | 2.02   | 2.73   | 0.45   | 1.26     |
|  | 170 85 85  | 0.54   | 0.09   | 0.55   | 0.58     |
|  | 85 170 85  | 1.11   | 1.24   | 0.59   | 0.95     |
|  | 85 85 170  | 0.55   | 0.05   | 0.17   | 0.24     |
|  | 85 170 170 | 0.28   | 0.64   | 0.43   | 0.64     |
|  | 170 85 170 | 1.62   | 0.38   | 0.42   | 0.66     |
|  | 170 170 85 | 1.46   | 0.14   | 0.0    | 0.49     |
|  | 229 0 0    | 1.83   | 0.31   | 0.05   | 0.37     |
|  | 204 0 0    | 3.09   | 2.73   | 0.47   | 1.41     |
|  | 178 0 0    | 3.9    | 3.81   | 0.38   | 1.97     |
|  | 153 0 0    | 3.16   | 3.72   | 0.55   | 2.03     |
|  | 127 0 0    | 3.75   | 3.68   | 0.15   | 2.17     |
|  | 102 0 0    | 2.76   | 2.46   | 0.04   | 1.63     |
|  | 76 0 0     | 2.49   | 1.84   | 0.35   | 1.51     |
|  | 0 229 0    | 7.28   | 5.0    | 0.18   | 2.25     |
|  | 0 204 0    | 7.6    | 3.66   | 0.4    | 2.04     |
|  | 0 178 0    | 7.22   | 2.88   | 0.83   | 2.04     |
|  | 0 153 0    | 7.07   | 2.13   | 1.11   | 2.1      |
|  | 0 127 0    | 6.09   | 1.9    | 1.26   | 2.12     |
|  | 0 102 0    | 5.01   | 2.03   | 1.48   | 2.25     |
|  | 0 76 0     | 4.71   | 1.95   | 1.77   | 2.54     |
|  | 0 0 229    | 2.42   | 3.24   | 1.17   | 1.67     |
|  | 0 0 204    | 1.36   | 3.34   | 1.14   | 1.7      |
|  | 0 0 178    | 0.55   | 3.34   | 0.59   | 1.45     |
|  | 0 0 153    | 1.06   | 2.97   | 0.66   | 1.43     |
|  | 0 0 127    | 0.69   | 3.58   | 0.21   | 1.65     |
|  | 0 0 102    | 1.29   | 3.57   | 0.46   | 1.85     |
|  | 0 0 76     | 0.77   | 3.05   | 0.32   | 1.74     |
|  | 0 229 229  | 9.1    | 2.17   | 0.53   | 3.27     |
|  | 0 204 204  | 8.23   | 2.93   | 0.12   | 3.35     |
|  | 0 178 178  | 7.6    | 3.86   | 0.43   | 3.74     |
|  | 0 153 153  | 6.85   | 3.89   | 0.8    | 3.81     |
|  | 0 127 127  | 6.08   | 3.83   | 0.88   | 3.81     |
|  | 0 102 102  | 5.24   | 2.9    | 1.09   | 3.4      |
|  | 0 76 76    | 4.52   | 3.94   | 1.44   | 4.07     |
|  | 229 0 229  | 3.32   | 0.46   | 0.65   | 0.88     |
|  | 204 0 204  | 2.48   | 0.85   | 0.69   | 0.9      |
|  | 178 0 178  | 1.95   | 0.81   | 0.51   | 0.73     |
|  | 153 0 153  | 2.06   | 1.08   | 0.62   | 0.92     |
|  | 127 0 127  | 0.92   | 0.73   | 0.36   | 0.56     |
|  | 102 0 102  | 0.35   | 1.2    | 0.19   | 0.67     |
|  | 76 0 76    | 0.86   | 1.33   | 0.51   | 0.97     |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | BenQ_VW2430H          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 229 229 0   | 1.58   | 0.36   | 0.25   | 0.43     |
|  | 204 204 0   | 2.71   | 0.54   | 0.12   | 0.64     |
|  | 178 178 0   | 3.1    | 0.51   | 0.08   | 0.76     |
|  | 153 153 0   | 3.08   | 0.28   | 0.13   | 0.8      |
|  | 127 127 0   | 2.5    | 0.57   | 0.15   | 0.78     |
|  | 102 102 0   | 2.34   | 0.7    | 0.06   | 0.83     |
|  | 76 76 0     | 0.39   | 0.11   | 0.29   | 0.33     |
|  | 255 25 25   | 6.64   | 0.85   | 3.35   | 3.58     |
|  | 255 51 51   | 8.0    | 1.26   | 2.63   | 3.12     |
|  | 255 76 76   | 8.27   | 2.56   | 2.03   | 2.98     |
|  | 255 102 102 | 7.97   | 3.03   | 1.64   | 3.01     |
|  | 255 127 127 | 7.78   | 2.15   | 1.23   | 2.85     |
|  | 255 153 153 | 6.87   | 2.21   | 0.85   | 2.88     |
|  | 255 178 178 | 5.42   | 1.26   | 0.58   | 2.52     |
|  | 255 204 204 | 3.88   | 0.95   | 0.31   | 2.23     |
|  | 255 229 229 | 2.03   | 0.44   | 0.18   | 1.49     |
|  | 25 255 25   | 8.18   | 5.69   | 0.57   | 2.51     |
|  | 51 255 51   | 6.97   | 3.89   | 0.33   | 1.89     |
|  | 76 255 76   | 4.77   | 1.19   | 0.11   | 0.97     |
|  | 102 255 102 | 2.9    | 0.24   | 0.04   | 0.58     |
|  | 127 255 127 | 3.2    | 0.3    | 0.0    | 0.72     |
|  | 153 255 153 | 2.32   | 0.09   | 0.26   | 0.66     |
|  | 178 255 178 | 2.61   | 0.41   | 0.21   | 0.88     |
|  | 204 255 204 | 1.93   | 0.4    | 0.15   | 0.85     |
|  | 229 255 229 | 1.06   | 0.63   | 0.28   | 0.84     |
|  | 25 25 255   | 1.63   | 2.84   | 1.0    | 1.41     |
|  | 51 51 255   | 1.39   | 2.14   | 0.3    | 0.86     |
|  | 76 76 255   | 0.79   | 0.86   | 0.29   | 0.46     |
|  | 102 102 255 | 1.18   | 0.97   | 0.21   | 0.53     |
|  | 127 127 255 | 0.89   | 0.79   | 0.34   | 0.55     |
|  | 153 153 255 | 0.9    | 0.53   | 0.18   | 0.42     |
|  | 178 178 255 | 0.64   | 0.58   | 0.18   | 0.46     |
|  | 204 204 255 | 0.34   | 0.57   | 0.21   | 0.48     |
|  | 229 229 255 | 0.36   | 0.14   | 0.16   | 0.3      |
|  | 25 255 255  | 9.79   | 1.71   | 1.1    | 3.38     |
|  | 51 255 255  | 8.35   | 1.75   | 0.87   | 2.97     |
|  | 76 255 255  | 5.87   | 1.71   | 0.48   | 2.23     |
|  | 102 255 255 | 2.17   | 1.52   | 0.11   | 1.21     |
|  | 127 255 255 | 1.35   | 1.19   | 0.04   | 0.92     |
|  | 153 255 255 | 1.35   | 0.9    | 0.09   | 0.84     |
|  | 178 255 255 | 1.32   | 0.78   | 0.17   | 0.86     |
|  | 204 255 255 | 1.1    | 0.63   | 0.19   | 0.82     |
|  | 229 255 255 | 0.73   | 0.48   | 0.19   | 0.7      |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | BenQ_VW2430H          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

|  | RGB         | deltaC | deltaH | deltaL | deltaE94 |
|--|-------------|--------|--------|--------|----------|
|  | 255 25 255  | 4.49   | 3.81   | 0.92   | 1.84     |
|  | 255 51 255  | 4.74   | 3.71   | 0.79   | 1.81     |
|  | 255 76 255  | 5.2    | 3.54   | 0.58   | 1.79     |
|  | 255 102 255 | 4.9    | 3.62   | 0.39   | 1.86     |
|  | 255 127 255 | 5.67   | 3.24   | 0.1    | 1.96     |
|  | 255 153 255 | 4.73   | 2.98   | 0.11   | 1.96     |
|  | 255 178 255 | 3.96   | 2.58   | 0.08   | 1.95     |
|  | 255 204 255 | 3.17   | 1.91   | 0.02   | 1.83     |
|  | 255 229 255 | 1.85   | 1.11   | 0.01   | 1.39     |
|  | 255 255 25  | 2.09   | 2.77   | 0.23   | 1.23     |
|  | 255 255 51  | 2.21   | 2.36   | 0.29   | 1.13     |
|  | 255 255 76  | 1.73   | 2.08   | 0.35   | 1.06     |
|  | 255 255 102 | 1.99   | 1.83   | 0.43   | 1.07     |
|  | 255 255 127 | 1.51   | 1.72   | 0.25   | 1.0      |
|  | 255 255 153 | 1.57   | 1.33   | 0.34   | 0.96     |
|  | 255 255 178 | 1.1    | 1.19   | 0.07   | 0.85     |
|  | 255 255 204 | 0.57   | 0.77   | 0.05   | 0.61     |
|  | 255 255 229 | 0.46   | 0.2    | 0.14   | 0.36     |
|  | 213 255 0   | 3.16   | 0.43   | 0.29   | 0.67     |
|  | 159 191 0   | 3.25   | 0.45   | 0.09   | 0.75     |
|  | 106 128 0   | 1.76   | 1.48   | 0.12   | 0.93     |
|  | 0 255 85    | 9.41   | 5.98   | 0.69   | 2.94     |
|  | 0 191 64    | 7.39   | 3.15   | 0.59   | 2.18     |
|  | 0 128 42    | 6.44   | 1.3    | 1.1    | 2.14     |
|  | 0 128 255   | 0.62   | 6.22   | 0.47   | 3.0      |
|  | 0 96 191    | 2.51   | 6.8    | 0.52   | 3.74     |
|  | 0 64 128    | 3.47   | 6.53   | 1.25   | 4.36     |
|  | 170 0 255   | 3.27   | 0.5    | 0.92   | 1.07     |
|  | 127 0 191   | 2.17   | 0.2    | 0.56   | 0.7      |
|  | 85 0 128    | 1.04   | 0.64   | 0.14   | 0.42     |
|  | 255 0 42    | 5.27   | 1.07   | 3.58   | 3.74     |
|  | 191 0 32    | 0.75   | 0.56   | 0.53   | 0.61     |
|  | 128 0 21    | 0.64   | 0.44   | 0.71   | 0.77     |
|  | 170 85 0    | 2.75   | 0.82   | 0.59   | 1.02     |
|  | 0 170 85    | 6.5    | 2.51   | 0.84   | 2.24     |
|  | 85 0 170    | 2.27   | 0.04   | 0.22   | 0.49     |
|  | 0 85 170    | 1.78   | 6.18   | 0.68   | 3.55     |
|  | 170 0 85    | 0.31   | 0.76   | 0.16   | 0.43     |
|  | 85 170 0    | 1.7    | 1.51   | 0.18   | 0.8      |
|  | 123 127 127 | 0.06   | 0.14   | 0.18   | 0.23     |
|  | 127 123 127 | 0.15   | 0.27   | 0.23   | 0.37     |
|  | 127 127 123 | 0.07   | 0.15   | 0.2    | 0.26     |
|  | Average     | 3.33   | 1.91   | 0.57   | 1.58     |
|  | Maximum     | 10.55  | 6.8    | 3.62   | 4.36     |

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|                  |                       |
|------------------|-----------------------|
| Test Device      | BenQ_VW2430H          |
| Target           | sRGB                  |
| Display Profile  | considered            |
| Rendering Intent | Relative colorimetric |

| Property             | Device adjustments |
|----------------------|--------------------|
| Backlight brightness |                    |
| Brightness           | 21                 |
| Contrast             | 50                 |
| RGB Gain             | 100 100 98         |
| Gradation            | 2                  |
| Other                | iColor 3.8 i1pro   |