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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Adafruit TCS RGB(TCS34725) Color Chart** | | | | | | | |
| **Color** | | **Color Range** | | | | | **Standard Setting** |
| **lux** | **r** | **g** | **b** | **c** |
| Red |  | 0 – 8 | 30 – 100 | 8 – 40 | 8 – 36 | 50 – 166 | {lux: 3, r: 62, g: 25, b: 25, c: 110} |
| Pink |  | 0 – 12 | 64 – 122 | 30 – 63 | 35 – 69 | 89 – ∞ | {lux: 9, r: 115, g: 61, b: 67, c: 242} |
| Orange |  | 14 – 69 | 40 – 138 | 24 – 99 | 15 – 58 | 80 – ∞ | {lux: 64, r: 118, g: 77, b: 52, c: 249} |
| Yellow |  | 95 – 163 | 47 – 190 | 53 – 173 | 17 – 85 | ∞ | {lux: 103, r: 125, g: 141, b: 71, c: 341} |
| Green |  | 7 – 55 | 0 – 30 | 9 – 100 | 6 – 46 | 21 – ∞ | {lux: 38, r: 21, g: 55, b: 25, c: 88} |
| Blue |  | 2 – 19 | 5 – 29 | 9 – 59 | 14 – 100 | 28 – ∞ | {lux: 15, r: 20, g: 48, b: 74, c: 145} |
| Purple |  | 0 – 11 | 10 – 39 | 10 – 39 | 10 – 53 | 45 – 128 | {lux: 6, r: 37, g: 28, b: 30, c: 94} |
| White |  | 73 – 175 | 70 – ∞ | 70 – ∞ | 70 – ∞ | ∞ | {lux: 108, r: 140, g: 165, b: 145, c: 459} |
| Black |  | 0 – 10 | 0 – 13 | 0 – 14 | 0 – 13 | 0 – 40 | {lux: 9, r: 12, g: 14, b: 12, c: 38} |
| Brown |  | 8 – 64 | 10 – 50 | 8 – 50 | 5 – 34 | 0 – 130 | {lux: 24, r: 44, g: 37, b: 27, c: 109} |
| Gray |  | 8 – 61 | 28 – 86 | 32 – 119 | 29 – 108 | 80 - 323 | {lux: 47, r: 53, g: 77, b: 72, c: 211} |

**TCS3200**

**Red Pink Orange Yellow Green Blue Purple White**

**Black Brown Gray**