# Vertiv™ PowerIT Rack PDU Color Coded Outlet Guide

## Why color coded outlets?

Color coded outlets provide immediate visual differentiation between circuits on a rack Power Distribution Unit (rPDU). Color coded outlets are easily visible when mounted in the back of a dark cabinet. The colors are located on the outer edge of the receptacle providing quick and easy visibility when equipment is plugged in. Instant circuit identification simplifies equipment deployment and helps guide proper circuit and phase loading.

**Vertiv™ PowerIT rPDU offers color coding on the following outlet types:**

- U-Lock C13
- U-Lock C19
- Combination Outlet C13 / C19

The standard color scheme is shown in the table below. The colors are associated with the number of incoming phases and the number of sub-circuits. This table is representative. See the individual specification sheet for actual color code scheme.

| Amps | Volts | 3~ | Circuit 1 | Circuit 2 | Circuit 3 | Circuit 4 | Circuit 5 | Circuit 6 |
|---|---|---|---|---|---|---|---|---|
| 16A | 230V | | | | | | | |
| 16A | 230/400V | WYE | | | | | | |
| 20A | 120/208V | WYE | | | | | | |
| 20A | 208V | | | | | | | |
| 20A | 230/400V | WYE | | | | | | |
| 30A | 120/208V (120V out) | WYE | | | | | | |
| 30A | 208V | | | | | | | |
| 30A | 208V | Delta | | | | | | |
| 30A | 230/400V (alternating) | WYE | | | | | | |
| 30A | 230/400V | WYE | | | | | | |
| 32A | 230V | | | | | | | |
| 32A | 230/400V (alternating) | WYE | | | | | | |
| 32A | 230/400V | WYE | | | | | | |
| 35A | 208V | Delta | | | | | | |
| 40A | 230/400V | WYE | | | | | | |
| 50A | 208V | Delta | | | | | | |
| 60A | 208V | | | | | | | |
| 60A | 208V | Delta | | | | | | |

## Modified Outlet Color Options

Vertiv is able to accommodate color coding change requests through the Configure-to-Order and Engineer-to-Order programs including a single color from the current palette per rPDU. Red and Yellow are not standard colors - ETO only.

**8 Available Colors:**

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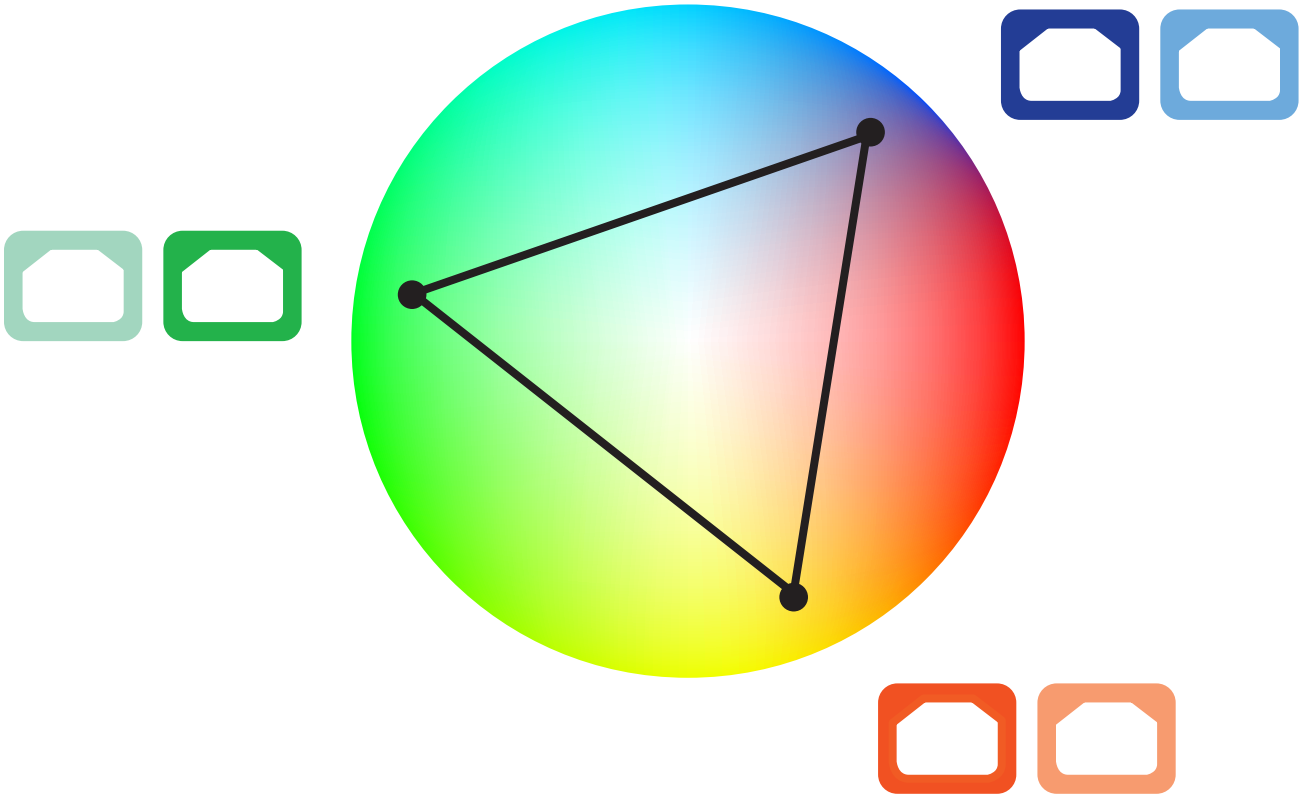
## Theory Behind the Outlet Colors

The outlet colors were methodically chosen based on the color triad theory. A color triad is 3 colors that are at an even space around the color wheel. To the human eye this allows for a clear separation of each color and in turn allows a less saturated or lighter version of those colors to be clearly associated with the primary color but still distinguishable between the two.



### What about people who are color-blind?

Vertiv performed thorough testing with people with color blindness, creating the colors that contrast enough to appear as different shades.

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