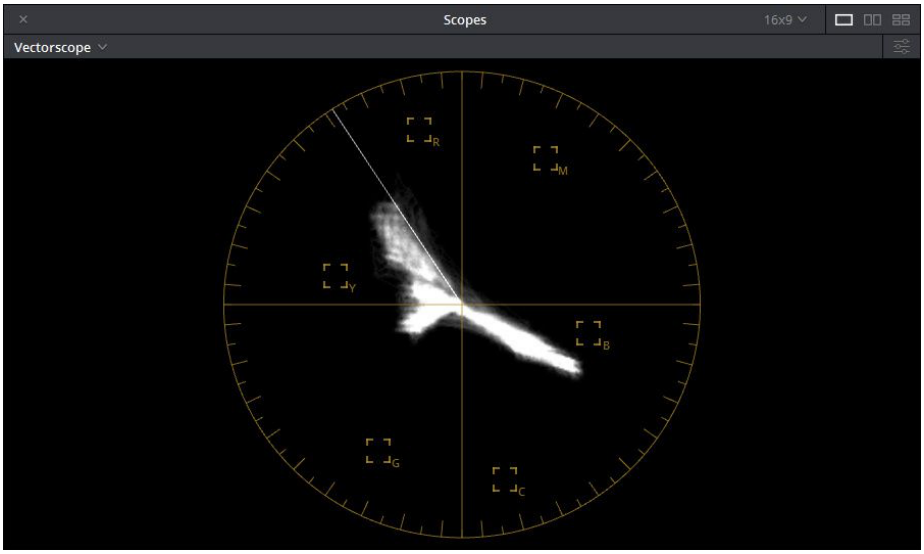
Vectorscope
A vectorscope is a visual representation of the chrominance (color signal).
They measure the data being captured by your camera's sensor, the values of which appear on a graph that looks like a color wheel. The vectorscope ignores brightness completely and only looks at the color of your shot. This is useful when you're using a reference chart like the x-rite color checker. Each of the six squares in the vectorscope matches up to the red, magenta, blue, cyan, green and yellow swatches found on the color checker. The line at the 11 o'clock position is where all skintones fall.



False Color
The concept of false color is quite simple: different luminance (brightness) values are represented by distinct colors to give you a clear understanding of the exposure levels of every part of your image. For instance, 0 IRE (your black level) may appear pink, whereas 100 IRE (your white level) will appear as red. This means that anything that shows as pink is clipped to black and anything red is clipped to white.