

# The Many Colors of Stars

Stars range in color from blue to yellow to orange to red.



Stars exist in a wide range of colors, like these in the globular cluster Terzan 5 near the center of the Milky Way galaxy.

**Look up at the night sky with binoculars or a telescope. You'll probably spot white-blue, yellow, orange, and red stars.** Color can reveal something important about a star: its surface temperature. Yellow stars similar to the Sun have temperatures of around 6,000°C. Orange stars and red stars are cooler: roughly 4,500°C and 3,800°C, respectively. But blue stars are the hottest, reaching up to approximately 40,000°C. Scientists using NASA's planet-hunter mission TESS often search for planets around cooler and smaller red dwarf stars, which make up about 70% of the stars in our galaxy, the Milky Way.

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