

# HMI Magnetic Field Color Table

The line of sight magnetic field color table is designed to visually show structure at both high and low field values.

Field strengths  $<24$  G are shades of gray. Positive Field Values are green and blue. Negative field values are yellow and red.

Weak field regions appear mostly yellow or green. Increasingly positive values range from dark green to bright green at 236G. Negative values move from bright yellow to orange at -236G.

There is a sharp discontinuity in color at 236G.

Positive or negative polarity sunspots and other strong field regions will appear blue or red with dark umbrae.

There are 254 defined colors symmetrically arranged around the zero point. The 127 positive include 2 darkening gray, 18 brightening green, and 110 darkening blue. The 127 negative include 2 brightening gray, 18 darkening yellow, and 107 darkening red. Nominally, each color spans a range of  $\sim 11.81$  G and the color table extends from -1500 to 1500 G.

