In the image at left, the lighter colors represent higher elevation in this image of Jezero Crater on Mars, the landing site for NASA’s Mars 2020 mission, which is targeting a probable delta and lake shoreline. Scientists want to visit this shoreline because it may have preserved fossilized microbial life, if any ever formed on Mars. The oval indicates the landing ellipse, where the rover will be touching down on Mars. The color added to this image helps the crater rim stand out clearly, and makes it easier to spot the shoreline of a lake that dried up billions of years ago.

At right, color has been added to highlight minerals in this image of Jezero Crater on Mars. The green color represents minerals called carbonates, which are especially good at preserving fossilized life on Earth. Red represents olivine sand eroding out of carbonate-containing rocks.