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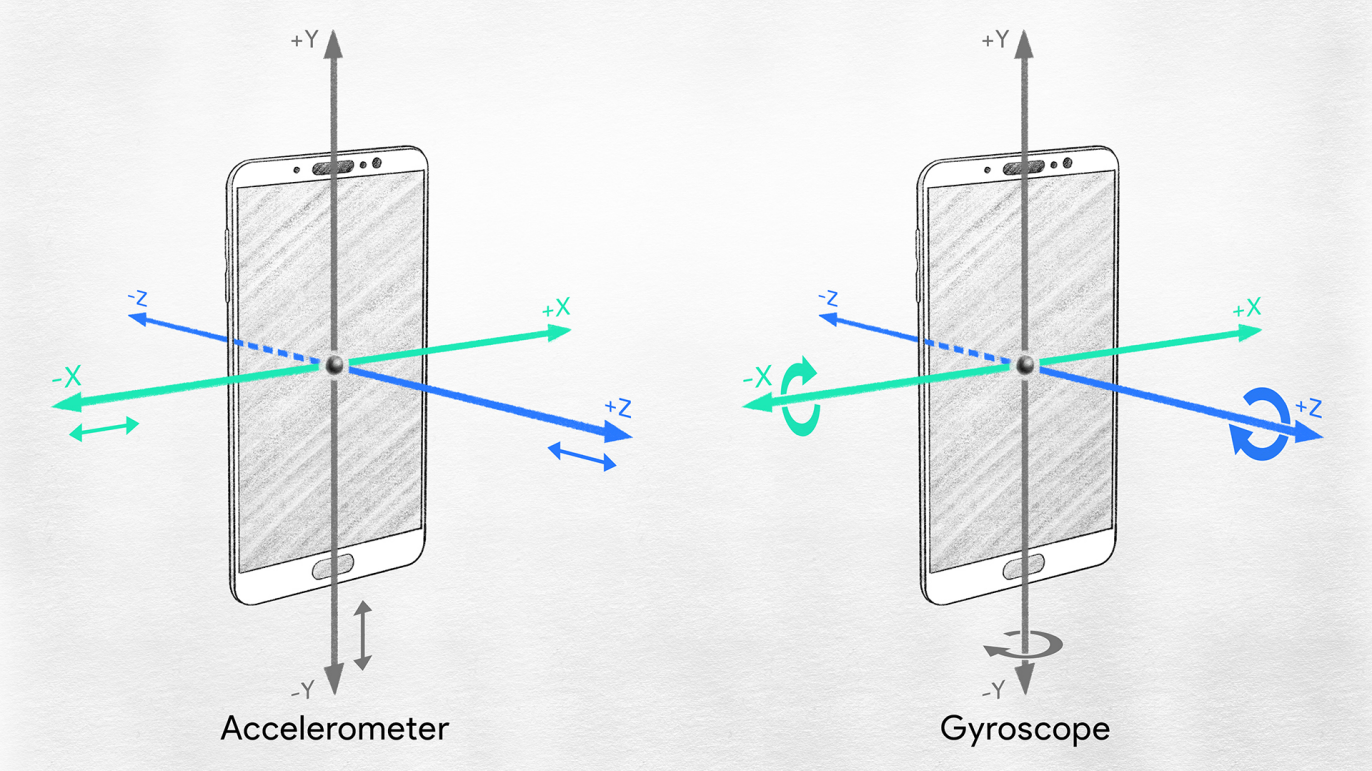
The hardware that makes mobile AR work



Enables: motion tracking for AR

Accelerometer: measures acceleration, which is change in speed divided by time. Simply put, it's the measure of change in velocity. Acceleration forces can be static/continuous—like gravity—or dynamic, such as movement or vibrations.

Gyroscope: measures and/or maintains orientation and angular velocity. When you change the rotation of your phone while using an AR experience, the gyroscope measures that rotation and ARCore ensures that the digital assets respond correctly.

Phone Camera: with mobile AR, your phone camera supplies a live feed of the surrounding real world upon which AR content is overlaid. In addition to the camera itself, ARCore-capable phones like the Google Pixel rely on complementary technologies like machine learning, complex image processing, and computer vision to produce high-quality images and spatial maps for mobile AR.