

LUNAR CYCLE SEQUENCE

A comprehensive visual guide to the 29.5-day synodic month

NEW MOON

Illumination: 0%

WAXING CRESCENT

Illumination: 1-49%

FIRST QUARTER

Illumination: 50%

WAXING GIBBOUS

Illumination: 51-99%

FULL MOON

Illumination: 100%

WANING GIBBOUS

Illumination: 99-51%

THIRD QUARTER

Illumination: 50%

WANING CRESCENT

Illumination: 49-1%

PHASE EVENT	AVERAGE START TIME	VISIBILITY PERIOD	POSITION (SUN/MOON)
New Moon	06:00 (Sunrise)	Not visible	Conjunction (0)
First Quarter	12:00 (Noon)	Afternoon / Evening	90 East of Sun
Full Moon	18:00 (Sunset)	All Night	Opposition (180)
Third Quarter	00:00 (Midnight)	Late Night / Morning	90 West of Sun

Reference Chart: Standard Lunar Cycle Calculations (Northern Hemisphere Perspective)