

RUBY

Rose quartz is a quartz variety that gets its name from its delicate pink color.



ABOUT RUBY



Rubies can command the highest per-carat price of any colored stone. This makes ruby one of the most important gems in the colored stone market.

In its purest form, the mineral corundum is colorless. Trace elements that become part of the mineral's crystal structure cause variations in its color. Chromium is the trace element that causes ruby's red color.

BIRTHSTONES & ANNIVERSARIES

Ruby is the birthstone for July and the gem for the 15th and 40th anniversaries.

TREATMENTS

There are a number of processes used to alter the color, apparent clarity, or improve the durability of gems.

SYNTHETICS

Some gemstones have synthetic counterparts that have essentially the same chemical, physical, and optical properties, but are grown by man in a laboratory.

IMITATIONS

Any gem can be imitated—sometimes by manmade materials or by natural materials chosen by man to impersonate a particular gem.

RATNARAJ

In Sanskrit, ruby is ratnaraj, meaning the king of gems.

MOGOK

Myanmar's legendary valley of rubies; the source of many of the world's most fabulous gems.

\$32.4 MILLION

On May 12, 2015, a 25.59-carat ruby ring sold for \$1,266,901 per carat, setting a new record at auction for a colored gemstone.

FACTS

MINERAL: Corundum

CHEMISTRY: Al_2O_3

Color: Red

REFRACTIVE INDEX: 1.762 to 1.770

SPECIFIC GRAVITY: 4.00 (+/- 0.05)

Mohs Hardness: 9

BIREFRINGENCE: 0.008 to 0.010



WHY WE LOVE THIS GEMSTONE

INTENSE RED GLOW

Fine ruby glows with intense red in sunlight thanks to red fluorescence, which intensifies its red color.

FIRST LASER

The first laser was created in 1960 using the red fluorescence light emitted by ruby.

CHROMIUM

Chromium causes ruby's red. Gemologists consider it the "rock star" of trace elements.