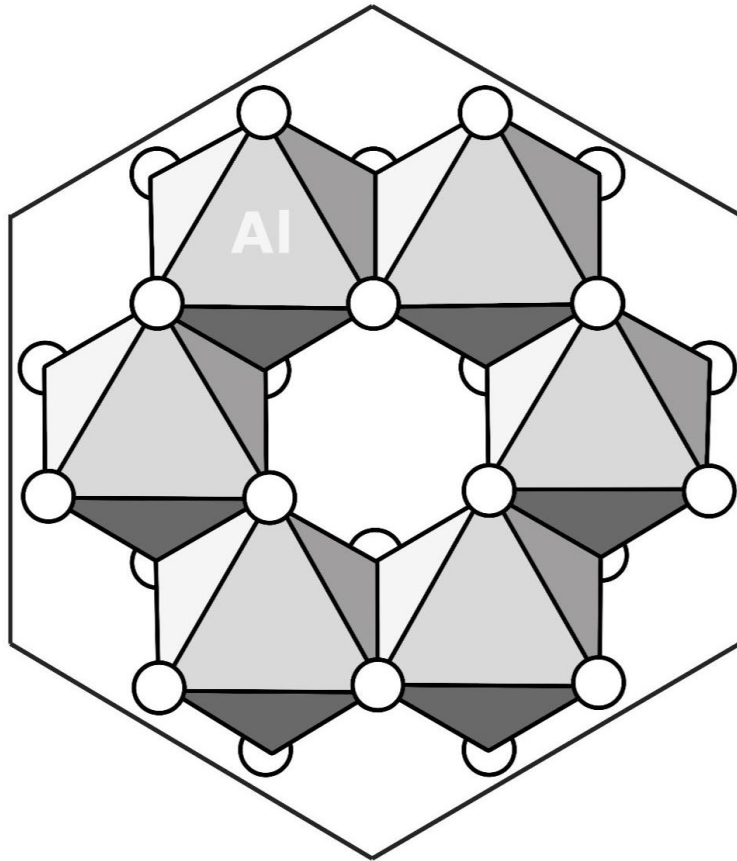


THE CREATION OF YOUR RUBY

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Corundum simplified crystal structure.

The fundamental constituents of your ruby date back to the beginning of time. To arrive at their present state, they have undergone many processes of compression, assembly, and separation. This is not an easy process. From the extreme pressure and temperature needed to fuse light elements in the cores of massive stars to the huge bursts of energy released in supernova explosions needed to fuse them back into heavier elements. As the universe stirs and new stars and planets form from old gas and dust, these elements eventually reach the Earth in a dance that has been going on for millennia.

Their journey spans billions of years, unfathomable distances, and improbable odds. The atoms that make up your ruby were created in some of the most intense explosions in the cosmos. As a gemmologist, I am fascinated by the science and romance of this story - the creation of a new, lasting, and precious object from an ancient remnant of a once luminous star.

The History of Your Gemstone

A planetary puzzle has been unfolding for millions of years beneath our feet. These are the 'tectonic plates', a moving puzzle of interconnected slabs of upper mantle and crust that collide and diverge, generating earthquakes, fueling volcanoes, opening ocean basins, and raising mountain ranges.

The Earth formed when a rocky core accreted dust and debris from the formation of our sun, including the stardust needed to create your ruby. The accumulated stardust began to form your ruby when it encountered the right environment beneath the surface of the earth. Like a master chef, nature's cooking must be perfect to produce such an exquisite piece. The recipe for such a piece must be tailored to the atom. Mother Nature needed the right atoms, in the right quantities, with no others to spoil the recipe.

The geological formation created the perfect environment for your ruby to develop. At a depth up to 30 kilometers, with a temperature of up to 800°C and a pressure of around 2000 to 11000 bar, the magic began. Supercritical fluids: a mixture of carbon dioxide and water, supersaturated with stardust, began to transport each atom to the nucleation point of your ruby.

One atom at a time in a hexagonal symphony your ruby grew, we don't know if it grew at once or in a successive accumulation of geological events over millions of years. What we do know is that the belly of your ruby, located deep under the earth, must have been very stable for millennia in terms of pressure, temperature, and geological activity to allow its formation.

Nature's selections, even for precious and beautiful stones, are brutal, but your ruby belongs to one of the hardest families of minerals the universe has ever produced. Its chemical composition and the way they are assembled are matched by only one other mineral family on earth. This allows your ruby to stand the test of time. It will remain dormant for a few more million years, first in the depths of the earth and then slowly transported to the surface by mountain formations or volcano, waiting to be found.

The word Ruby comes from the Latin "Rubeus" meaning "Red", The ancient Sanskrit called it "Ratnaraj" or "King of gemstone", Pliny the Elder in The Natural History mentioned two thousand years ago the hardness and resistance to fire of the ruby. Red being a passionate color, Ruby symbolizes love, fire, and life, it is without surprise that ruby has been cherished by early cultures as well as modern Royalty and upper class. Ancient Hindus believed that those who offered fine rubies to the god were granted rebirth as emperors, Burmese warriors possessed rubies to make them invincible in battle and medieval Europeans wore rubies to guarantee health, wealth, wisdom, and success in love. Ragiel writes about ruby in the 13th-century work, The Book of Wings: that the beautiful figure of a dragon. If this is found on a ruby [...], has the power to augment the goods of this world and makes the wearer joyous and healthy.

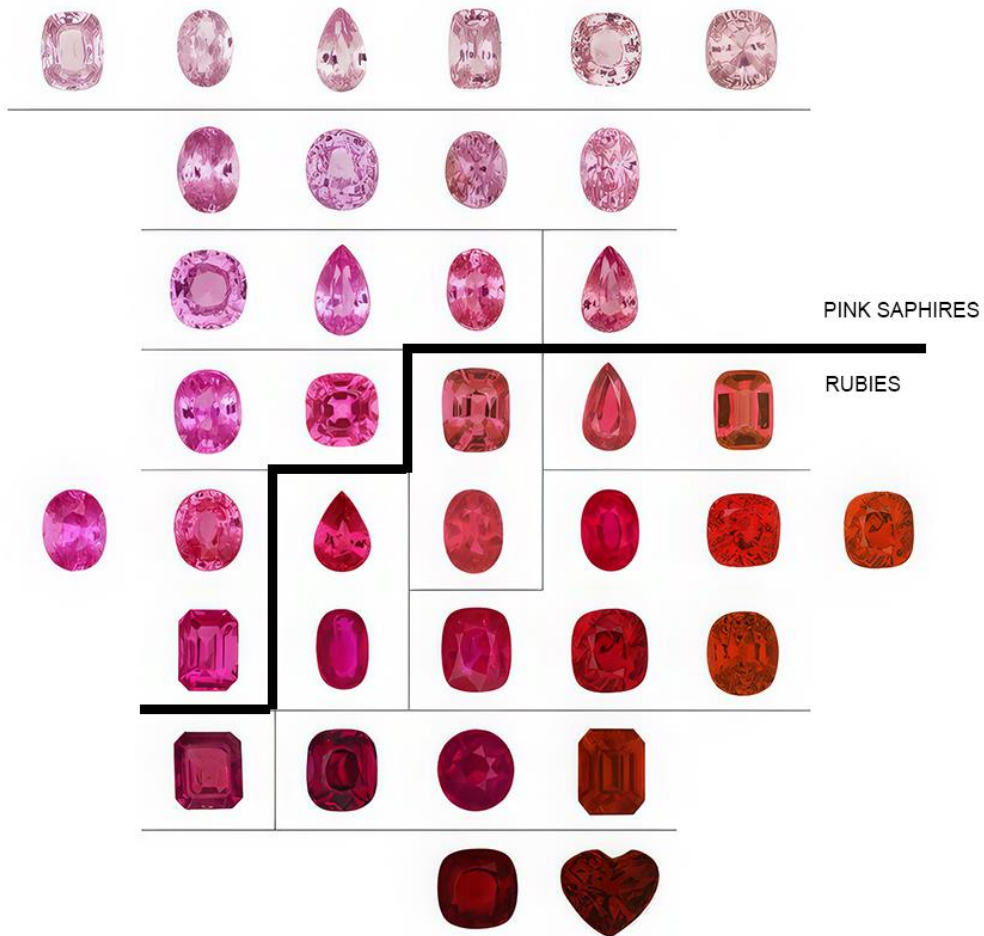
COLOR

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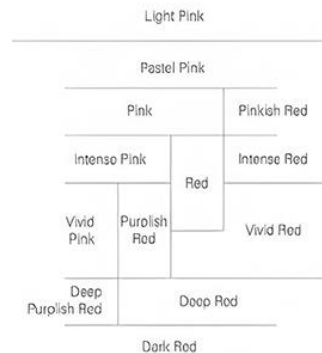
Red, Purplish Red & Pink Hues—340 to 15°



This page illustrates gemstones in red hues. At lower saturation red become pink this specific page displays mainly the red & pink gemstones of most brightness and saturation from 340° to 15° of the hue wheel.



Gemstones on the left tend toward the purple at 340° while gemstones on the right tend towards the orange at 15°. Saturation increases from top at 20% to the middle at 100%, while brightness decreases from the middle at 100% to the bottom of the page at 30%.



The History of Your Gemstone

Gemstones come adorned with a spectrum of hues, each carrying its own tale and significance. Among the most captivating of these colors is Red, a shade that invokes both passion and vitality. In the realm of gemstones, variations of red, ranging from Pinkish Red to Deep Red, reveal a tapestry of meanings deeply rooted in history and science.

Pinkish-red ruby embody tenderness and affection. Their soft, rosy hues evoke feelings of warmth and compassion, making them cherished symbols of love and friendship.

Purplish-red gemstones exude a sense of regality and power. Their deep, rich tones hint at mystery and allure, reminiscent of royal courts and ancient civilizations where such stones were revered as talismans of strength and prosperity.

Intense red ruby, displaying a fiery brilliance, captivates the beholder with their boldness and energy. These colors ignite the imagination and ignite the spirit with their intense hues.

Vivid red ruby radiates with a luminous intensity that commands attention. Their dazzling brilliance symbolizes passion and determination, urging the wearer to pursue their dreams with unwavering fervor.

Deep red ruby delves into the depths of emotion and mystery. Their velvety shades evoke a sense of depth and complexity, inviting introspection and contemplation.

In both science and romance, the colors Red hold a multitude of meanings, from the fiery depths of desire to the enduring strength of the human spirit. Through the lens of gemstones, this vibrant spectrum of red hues reveals a rich tapestry of emotions and stories, each ruby a testament to the enduring allure of color in the natural world.

The variety “Ruby” is defined as a natural corundum colored by chromium with a dominant red hue.

COLOR ORIGIN: NATURAL

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No Indications of Any Treatment



The History of Your Gemstone

In the captivating world of gemology, the origin of color serves as a cornerstone of understanding and appreciating the natural beauty found within your gemstone. Each gemstone's color story is a testament to its journey.

At the heart of this narrative lies the intricate interplay of light and matter. Your gemstone owes its color to the selective absorption and reflection of light wavelengths by the atomic structure of their crystalline lattice.

Understanding the natural origin of the color in your gemstone not only deepens our appreciation for its beauty but also provides invaluable insights into its geological history. When it comes to the allure of your gemstones, authenticity reigns supreme. Within the realm of gemology, the natural origin of color serves as a hallmark of true beauty and intrinsic value.

You are fortunate enough to possess in your hand a gemstone whose color and clarity are entirely the result of nature, with a profound connection to the Earth's story.

One can only appreciate the authenticity and purity of your natural gemstone, the knowledge that its beauty is untainted by human intervention adds immeasurable value. In a world where authenticity is often prized above all else, these natural wonders stand as testaments to the enduring majesty of the Earth's treasures.



MOZAMBIQUE

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Idealized image of Mozambique.

Amidst the sun-drenched plains and rugged landscapes of Mozambique lies a treasure trove of incomparable beauty: the legendary rubies and pink sapphires of this vibrant African nation. Born from the depths of the earth, these gemstones emerge as radiant jewels, each possessing a unique allure and brilliance that captures the imagination.

Mozambique's rubies, found in the remote regions of Montepuez and Namanhumbir, are celebrated for their exceptional color saturation and clarity. Carved by the ancient geological forces that have shaped Mozambique's landscape, these gemstones tell a story of resilience and ingenuity. Montepuez, once a sleepy village, was transformed into a bustling hub of gemstone activity in recent years when rubies were discovered in the area. Since then, Montepuez has become synonymous with some of the finest rubies in the world, drawing gem enthusiasts and traders from far and wide.

In addition to its illustrious rubies, Mozambique is also renowned for its pink sapphires. Nestled within the verdant valleys and riverine landscapes of northern Mozambique, these sapphires captivate with their delicate pink hues and exceptional clarity. Born from the earth's embrace, these gemstones possess a luminosity and charm that rival the most coveted pink sapphires found anywhere in the world.

Beyond their intrinsic beauty, Mozambique's rubies and pink sapphires hold profound cultural and economic significance for the nation. These gemstones have adorned the crowns of royalty and the jewelry boxes of the elite, symbolizing wealth, prestige, and elegance. Today, they continue to inspire awe and admiration, cherished by collectors and connoisseurs alike for their exquisite beauty and rarity.

As we marvel at the splendor of Mozambique's rubies and pink sapphires, let us not forget the land from which they came—a land of untold natural beauty and potential. In their brilliance, these gemstones remind us of the enduring power of nature and the boundless wonders that await those who dare to seek them.



The Pigeon Blood Ruby: A Gem of Legendary Beauty



Pigeon blood ruby is traditionally used to describe the finest colors of Burmese (Myanmar) ruby. The Burmese legend of the first ruby in the Mogok Valley describes it as having been mistaken for the purest blood by a magical being. The legend is described in Jesseph Kessel's "Valley of the Rubies" as follows:

"A huge piece of fresh flesh was shining on the side of a hill. And this flesh was of such quality that the old eagle, who had hunted so long above the boundless world, had never seen it before. It was the color of the brightest, purest, sweetest blood. And all the light of the day seemed made for it, so sparkling was it. [...] It was not a piece of meat that glistened in the grass of the hill, but a miraculous and sacred stone, a stone like no other, made of the fire and blood of the earth. [...] This stone was the first ruby in the world."

This legend goes back at least to the Middle Ages, the earliest mention known to us of Pigeon blood is the story of the famous royal ruby or Nga Mauk ruby described as being of the color of pigeon's blood.

Another legend mentions that Burmese warriors in medieval times put rubies in contact with their blood to gain invulnerability in battle. The ancient Greeks believed that rubies were a remnant of a god's blood.

Red has always been associated with blood, sacrifice, and courage. Modern studies in Europe and the United States show that red is the color most associated with heat, passion, sexuality, love, and joy. In China, India and many Asian countries, red is the color that symbolizes happiness and good fortune.

It is therefore not surprising that pigeon's blood, which most probably recalls the red color of a pigeon's fresh blood or the blood-red ring surrounding a pigeon's eyes, became the historical adjective describing the best red, first by the Burmese and then by the traders along the Silk Road. It may have been the best red they could find at the time, or it may be a poetic term reminiscent of a long-lost Burmese legend.

Among the world's most coveted gemstones, the Pigeon Blood Ruby stands as a pinnacle of beauty and rarity. Renowned for its mesmerizing hue and exceptional clarity, this gemstone has captivated the hearts and minds of gem enthusiasts and collectors for centuries.

In conclusion, your Pigeon Blood Ruby stands as a testament to nature's brilliance and the enduring allure of gemstones. With its unparalleled beauty, rich history, and cultural significance, it continues to capture the imagination and inspire wonder, reminding us of the timeless wonders that lie within the Earth's depths.



Your Vibrant Gemstone: A Symphony of Light and Brilliance

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In the world of gemstones, where beauty and rarity intertwine, there exists a select few that truly stand out as beacons of perfection. Among them, your gemstone earns the name "Vibrant," a title bestowed upon it for its ideal cutting proportions and unparalleled brilliance. Your gemstone is not merely a feast for the eyes but a symphony of light and color, captivating the beholder with its mesmerizing radiance.

The History of Your Gemstone

What sets the Vibrant Gemstone apart is its impeccable cutting proportions, meticulously crafted to optimize the play of light within its depths. Each facet is precisely aligned to refract and reflect light in a harmonious dance, resulting in an explosion of brilliance and fire that dazzles the senses. Your gemstone's symmetrical proportions and precisely angled facets ensure that every ray of light is captured and dispersed, creating a luminous spectacle that seems to emanate from within.

The term "Vibrant" perfectly encapsulates your gemstone's lively and dynamic character, as it pulses with energy and vitality when exposed to light. Its radiant glow seems to breathe life into the gemstone, infusing it with an inner fire that ignites the imagination and stirs the soul. Whether bathed in sunlight or illuminated by artificial light, your Vibrant Gemstone never fails to mesmerize with its enchanting brilliance.

But beyond its aesthetic appeal, the Vibrant Gemstone holds deeper significance, serving as a symbol of excellence and perfection in the world of gemology. Its ideal cutting proportions are a testament to the skill and craftsmanship of the lapidary artisans who shape and polish each facet with painstaking precision. It represents the pinnacle of gemstone cutting, where artistry meets science to create a masterpiece of light and beauty.



Authenticated by Bellerophon Gemlab

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Idealized image of Bellerophon Gemlab

At Bellerophon Gemlab, truth and excellence are our guiding principles. We prioritize transparency, utilizing cutting-edge technology to ensure the highest standards of gemological authentication. Our state-of-the-art laboratories boast an extensive reference collection of over 9000 samples, guaranteeing accuracy in identification and grading.

The History of Your Gemstone

We are pioneers in the field, forging partnerships with leading institutions and continuously advancing our research efforts. With a track record of over hundreds of thousands of authenticated gemstones, we have set new benchmarks in transparency, quality, and consistency. Trusted by industry leaders and prestigious auctions worldwide such as Sotheby's, Christie's and Bonhams auctions, our reports are featured with magnificent gemstones, such as the world record for most expensive colored gemstone, the 34.8-million-dollar ruby: Estrella de Fura.

Our commitment to excellence extends beyond mere authentication. We aim to empower our clients with knowledge, offering complete transparency throughout the authentication process. From origin determination to treatment analysis, our empirical data-driven approach ensures the utmost quality at every step. By increasing precision and transparency, we strive to redefine the standards of gemological services globally.



Discover more
about our science.