

DIARY Report #DD1751213616697

Jun 29th 2025

Dynamic
Version



GIA SUMMARY

Carat Weight

0.42 carat

Clarity Grade

SII

Fluorescence

Faint

Color Grade

Fancy Red

Measurements

4.28 x 4.25 x 2.55 mm

GIA No.

1196380223

Shape & Cutting

Radiant

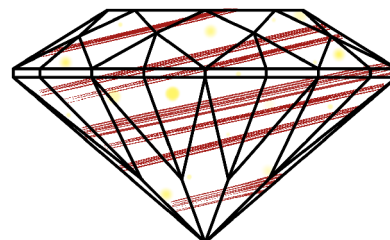
Origin

Not Specified



THE CAUSE OF COLOR IN YOUR RED DIAMOND

The **Red** hue in your Fancy Red 0.42 carat diamond is caused by a fascinating geological phenomenon that occurs when certain diamonds undergo more forcible pressure and heat than others. Diamonds that are exposed to 900° Celsius and manage to withstand the immense pressure underground experience a unique change in their atomic alignment. That's when the magic happens! Scientists believe that when light enters your Fancy Red Radiant diamond and crosses its special atomic distortion, the light rays bend at an angle that absorbs the full range of light besides red light waves. Red diamonds with a low amount of nitrogen produce a combination of red and purple color sensation.



A WORD ABOUT THE SATURATION OF YOUR DIAMOND

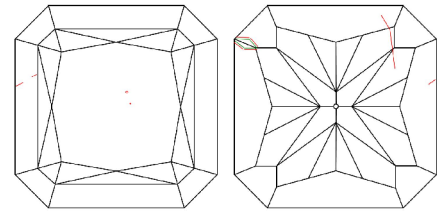
Red, in essence, is an extremely saturated hue. As such, diamonds with a red body color will be classified with the one absolute grade, which is **Fancy**.



Fancy red

THE FUNDAMENTALS OF THIS DIAMOND'S SHAPE

The **Radiant** cut is a square or rectangular diamond with clipped corners, usually polished with a minimum of 59 facets. The term 'modified' refers to the fact that this stone is a modified version of the traditional rectangular Emerald-cut diamond. The Radiant is polished with a Starburst style pavilion as it creates a star shape when viewed through the table. This facet alignment is ideal for fancy color diamonds and gives the stone a special brilliance. Only **19%** from all Red fancy color diamonds are polished as Cushion / Radiant.



TRUE FACE-UP

The carat weight and physical size of a diamond are important factors in determining its value. However, when it comes to fancy colored diamonds, there is a tendency to prioritize other visual elements over their size, and as a result, the surface area of the face-up view is not always given high priority.

Diamonds that appear slightly smaller are considered to be within the norm. However, diamonds that appear larger in relation to their weight will receive a premium.

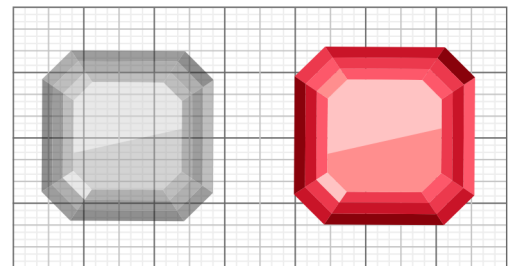
* The data in this section pertains to the relationship between your diamond's face-up dimensions and the average face-up dimensions for relevant weight categories.

The Face-up of this 0.42 carat Radiant is equivalent to that of a **0.46 - 0.47** carat which is **~10.6% larger** than the average Radiant shape in this weight.

Large face-up commands a Premium

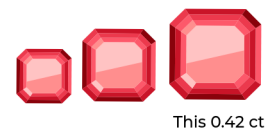
Average face-up for
this weight

Your diamond
4.28mm x 4.25mm



LEARN HOW UNIQUE IS THE WEIGHT OF A 0.42 CARAT IN RED DIAMONDS

0.0% Of all Fancy Red diamonds are smaller than yours



THE SI1 CLARITY IN THIS FANCY RED DIAMOND

Most Red fancy color diamonds are formed under greater underground pressure relative to other diamonds. As such, many Red rough diamonds are heavily fractured and cracked and as a result, receive a low clarity grade. Pursuing a high clarity grade during the manufacturing process usually entails a significant weight loss. Fancy Red diamonds with **SI1** clarity grade are bought widely and represent 20% of all Fancy Red diamonds in the 0.31 - 0.49 carat weight category.

F/IF Flawless / Internally flawless	VVS Very Very Slightly Included	VS Very Slightly Included	SI1 Slightly Included	SI2 Slightly Included	I Inclusion or Pique
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THE FAINT BLUE FLUORESCENT IN THIS DIAMOND

Fluorescence refers to the emission of visible light when a diamond is exposed to UV light. The fluorescence in this diamond is caused by the presence of trace elements within the lattice of the diamond. When a diamond is exposed to UV light, these elements absorb the energy from the UV light. They become excited, and as a result, release energy in the form of a Blue glow. The **Faint Blue** fluorescence in this 0.42 carat has no impact on its quality. It is impossible to spot a glow of this **Faint Blue** Fluorescence in the diamond without a special UV light device.



HOW RARE IS THIS 0.42 CARAT?

- Only **1 in ~ 20,000,000** diamonds will have similar characteristics
- A similar diamond enters the market once every **8 To 12 years**

RARITY GRADE
EXTREMELY RARE



DIAMOND DIARY REPORT©

The data on the Fancy Color Diamond Diary© may change from time to time and is not a guarantee or a reflection of the diamond's value. The origin of the diamond is provided solely according to the input of the person for whom the report was produced. The gemological description of the diamond is obtained from the GIA website. To maintain the accuracy and currency of the information, it is advised to periodically update the diary, especially prior to each use. For additional information about the data and other limitations, please contact us at customers@fcresearch.org.

Report generated on Jun 29, 25 | Last data update on Jun 4, 2025

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