

Defining the Different Colors of Gold by Ross Metals

Colored gold alloys are just as "real" as their golden colored counterparts.

Aug. 21, 2009 - [PRLog](#) -- Have you ever been confused by the terms white gold, green gold, and pink gold? All real gold is yellow, isn't it? So how do other colors fit in—are they imitations? No, they are not imitations at all – they are alloys, new metals that are created by combining two or more different metals. Colored gold alloys are just as "real" as their golden colored counterparts. Pure gold is generally too soft to be used for jewelry, so other metals are nearly always added to it, no matter what color of gold is being prepped for jewelry making.

Ross Metals has the world's largest selection of alloys for the professional jewelers to accommodate all the different colors of gold to make any finished jewelry product. Master alloys specifically made for casting or rolling and their various colors.

Chances are the rings in your possession are marked 18K, 14K, or 10K to indicate how much pure gold is present in the mix. The K stands for karat, the system used to state how much pure gold is found in the item.

Gold Karat Markings

* 24K gold is all pure gold, making it 99.95% (100% in theory)

* 18K gold contains 18 parts gold and 6 parts of another metal(s), making it 75% pure gold and 25% other alloys.

* 14K gold contains 14 parts gold and 10 parts of another metal(s), making it 58.3% pure gold and 41.7% other alloys.

* 12K gold contains 12 parts gold and 12 parts of another metal(s), making it 50% pure gold and 50% other alloys.

* 10K gold contains 10 parts gold and 14 parts another metal(s), making it 41.7% pure gold 58.3% other alloys. (10K gold is the minimum karat designation that can still be called gold in the US.)

Even 18K gold, with its 6 parts of another metal, gives jewelers the opportunity to play around with color. There are two methods to make White Gold Alloys. First, nickel can be mixed with gold to create a white (or gray) color; however, it can cause dermatitis in people who are sensitive to nickel. The other is palladium, another metal used to create white gold alloys. Related to platinum, it is more expensive than nickel, but is less likely to cause allergic reactions than nickel.

Pink Gold Alloys incorporate copper with gold-colored alloys to create pink and rose tones – the more copper, the deeper the effect. Green Gold Alloys are created by adding silver to gold. Different combinations of silver and gold create the greenish shades desired for certain jewelry. Ross Metals has the master alloys for all shades of gold and metal grains for metallurgists and professional jewelers to make their own gold alloys.

Making alloys isn't as simple as it might sound. Before making an alloy, our metallurgist staff would have to consider how the metals would react with each other. Adding too much of one metal or another can make the mixture brittle, too hard, or difficult to work with. While some mixtures could make the alloy too soft, we must fine-tune their formulations to produce combinations that are attractive, durable and can be successfully worked into pieces of jewelry. Ross Metals' website and catalogs include charts that contain ratios to make all different shades of gold alloys. Ross Metals is all you need when it comes to purchasing master alloys for its many applications in the jewelry industry. We invite you to visit our Ross Metals website for more information.

SERVICES PROVIDED:

- gold refiners
- gold smelters

- gold assayers
- refiners of scrap gold
- refiners of gold
- refiners of platinum
- refiners of platinum
- refiners of scrap silver
- refiners of silver
- refiners of dental scrap
- jewelry industry refiners
- jewelry industry smelters
- jewelry industry assayers
- dental industry refiners
- precious metal dealer
- smelters of precious metals
- smelters of gold
- smelters of silver
- smelters of platinum
- assayers of platinum
- assayers of precious metals
- assayers of gold
- assayers of silver
- assayers of platinum
- diamond district refiners
- gold-filled scrap
- silver refining
- gold refining
- platinum refining
- silver smelters
- gold smelters
- platinum smelters
- palladium refiners
- precious metal refining
- gold recycling
- silver recycling
- platinum recycling
- new york smelters
- new york refiners
- new york assayers
- new york gold buyers
- new york silver buyers
- new york platinum buyers
- new york gold refiners
- new york silver refiners
- new york platinum refiners
- city refiners
- city smelters
- city assayers
- diamond district smelters
- diamond district assayers
- silver scrap

- sterling silver scrap
- gold waste
- platinum waste
- sink sludges
- polishing dust
- bench dust
- gold dust
- platinum dust
- floor sweeps
- bench sweeps
- polishing sweeps
- precious metal waste
- jewelry bench sweeps
- jewelry polishing sweeps
- polishing waste
- gold grindings
- platinum grindings
- silver grindings
- gold shavings
- platinum shavings
- silver shavings
- precious metal shavings
- precious metal grindings
- jewelry waste
- jewelry clippings
- gold clippings
- bench clippings
- dental gold
- dental gold scrap
- dental waste
- dental palladium
- dental platinum
- scrap platinum
- scrap iridium
- scrap rhodium
- cash for dental gold

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