



SIMPLY SAPPHIRES

The Better Choice —

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www.SimplySapphires.com

Type 1 Gemstone Clarity Chart

- VVS Very Very Slightly Included – Minute to not detectable
- VS Very Slightly Included – minor
- SI1 Slightly Included – NOTICEABLE to obvious
- SI2 Slightly Included 2 – OBVIOUS to noticeable
- I1 Included 1 – Prominent – moderate effect on appearance or durability
- I2 Included 2 – Prominent – severe effect on appearance & durability
- I3 Included 3 – Prominent – severe effect on beauty, transparency & durability

Type 1 Gemstones are gemstones that are normally found to be clean. This includes gems such as Amethyst, Aquamarine, Blue Topaz, Citrine, Kunzite, Tanzanite, Yellow Beryl, Chrysoberyl and Diamond.

Type 2 Gemstone Clarity Chart

- VVS Very Very Slightly Included – Minor inclusions
- VS Very Slightly Included – NOTICEABLE to Obvious
- SI1 Slightly Included – Noticeable to OBVIOUS
- SI2 Slightly Included 2 – Obvious to Prominent
- I1 Included 1 – Prominent – moderate effect on appearance or durability
- I2 Included 2 – Prominent – severe effect on appearance & durability
- I3 Included 3 – Prominent – severe effect on beauty, transparency & durability

Type 2 Colored Gemstones by their nature have natural inclusions. (Inclusions are the norm) This includes gems such as Andalusite, Chrysoberyl, Alexandrite, Corundum (i.e. Sapphire and Ruby), Garnet, Peridot, Quartz, Amethyst, Citrine, Ametrine, Spinel, Tourmaline and Zircon.



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Type 3 Gemstones Clarity Chart

VVS Very Very Slightly Included – NOTICEABLE to obvious

VS Very Slightly Included – Noticeable to OBVIOUS

SI1 Slightly Included – OBVIOUS to prominent

SI2 Slightly Included 2 – Obvious to PROMINENT

I1 Included 1 – Prominent – considerable effect on appearance or durability

I2 Included 2 – Prominent – severe effect on transparency or durability

I3 Included 3 – Prominent – severe effect on beauty, transparency & durability

Type 3 Colored Gemstones by their nature have many natural inclusions. (Heavily Included is the norm) This includes gems such as Emerald, Beryl, Rubellite, and Tourmaline. A rather nice guide for buying gemstones can be found online on the G.I.A. website

Round Brilliant Gemstones Approximate Carat Weight

GEMSTONE	2mm	3mm	4mm	5mm	6mm	7mm	8mm
Alexandrite	0.04	0.12	0.35	0.63	1.3	2.15	2.9
Amethyst	0.04	0.1	0.2	0.4	0.7	1.3	1.8
Aquamarine	0.04	0.1	0.25	0.45	0.75	1.6	2.4



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Citrine	0.04	0.1	0.2	0.4	0.7	1.3	1.8
Diamond	0.04	0.1	0.23	0.47	0.9	1.35	1.9
Emerald	0.04	0.12	0.27	0.48	0.8	1.7	2.5
Garnet	0.05	0.13	0.3	0.6	1	1.6	2.5
Opal	0.02	0.09	0.16	0.34	0.57	0.83	1.3
Peridot	0.05	0.12	0.26	0.5	0.85	1.25	2
Ruby	0.05	0.15	0.34	0.65	1.05	1.6	2.25
Sapphire	0.05	0.15	0.34	0.65	1.05	1.6	2.25
Topaz	0.04	0.11	0.3	0.56	1	1.55	2.5
Tourmaline	0.04	0.12	0.24	0.45	0.75	1.55	2
Zircon	0.06	0.17	0.36	0.69	1.25	1.75	2.6



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Oval Cut Gemstones Approximate Carat Weight

GEMSTONE	5x3	6x4	7x5	8x6	9x7	10x8	11x9
Alexandrite	0.3	0.61	0.8	1.45	2	3.6	4.25
Amethyst	0.23	0.45	0.85	1.25	1.75	2.4	3.2
Aquamarine	0.2	0.4	0.75	1.1	1.75	2.25	3
Citrine	0.23	0.45	0.85	1.25	1.75	2.4	3.25
Diamond	0.25	0.5	0.75	1.4	2	3	4
Emerald	0.28	0.52	0.85	1	1.6	2.25	3.75
Garnet	0.25	0.55	1	1.4	2.1	2.8	3.75
Opal	0.16	0.28	0.47	0.75	1.1	1.65	2.15
Peridot	0.28	0.5	0.95	1.35	2	2.5	3.5
Ruby	0.35	0.6	1	1.55	2.2	3.15	3.8
Sapphire	0.35	0.6	1	1.55	2.2	3.15	3.8
Topaz	0.27	0.57	1.1	1.6	2.5	3.5	4.5
Tourmaline	0.25	0.5	0.9	1.18	2.3	2.9	3.5
Zircon	0.4	0.75	1.45	2	2.85	4	5.6



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Emerald Cut Gemstones Approximate Carat Weight

GEMSTONE	5x3	6x4	7x5	8x6	9x7	10x8	11x9
Alexandrite	0.4	0.7	1.3	2.6	3.6	4.2	6
Amethyst	0.35	0.55	1	1.6	2.25	2.9	4.2
Aquamarine	0.25	0.5	0.8	1.4	2	3	4.3
Citrine	0.35	0.55	1	1.6	2.25	2.9	4.2
Diamond	0.25	0.5	1	1.5	3	4	5
Emerald	0.3	0.6	0.9	1.8	2.31	3.15	4.5
Garnet	0.4	0.8	1.2	1.7	2.5	3.5	4.3
Peridot	0.35	0.6	1	1.7	2.25	3.8	5.25
Ruby	0.55	0.75	1.15	1.75	2.3	2.75	4
Sapphire	0.55	0.75	1.15	1.75	2.3	2.75	4
Topaz	0.4	0.65	1.25	2.4	3.4	4	5.75



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Tourmaline	0.3	0.6	1.6	2.15	2.8	3.6	4.3
Zircon	0.6	0.8	1.7	2.35	3.9	4.5	6.2

Pear Cut Gemstones Approximate Carat Weight

GEMSTONE	5x3	6x4	7x5	8x5	9x6	10x7	13x8
Alexandrite	0.3	0.5	0.85	1.1	2.1	3.6	6.6
Amethyst	0.2	0.35	0.65	0.85	1.25	1.7	4
Aquamarine	0.2	0.35	0.65	0.9	1.3	1.85	4.2
Citrine	0.2	0.35	0.65	0.85	1.3	1.7	4
Diamond	0.25	0.5	0.75	1	1.5	2	3.5
Emerald	0.25	0.45	0.7	1.05	1.7	2.6	4.15
Garnet	0.25	0.4	1	1.15	1.3	1.8	3.5
Opal	0.13	0.22	0.35	0.5	0.7	1.03	1.4
Peridot	0.25	0.45	0.7	0.8	1.1	1.4	3.4



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Ruby	0.3	0.5	0.75	1	1.85	2.5	4.75
Sapphire	0.3	0.5	0.75	1	1.85	2.5	4.75
Topaz	0.25	0.5	1	1.1	2	3.5	6.5
Tourmaline	0.35	0.45	0.6	0.9	1.1	1.4	2.8
Zircon	0.3	0.7	1	1.3	2.6	4	5.25

Marquise Cut Gemstones Approximate Carat Weight

GEMSTONE	4x2	6x3	8x4	10x5	12x6	14x7
Alexandrite	0.07	0.3	0.7	1.25	2.1	3.5
Amethyst	0.1	0.2	0.48	0.9	1.59	2.45
Aquamarine	0.08	0.2	0.5	0.8	1.5	2.75
Citrine	0.1	0.2	0.5	0.9	1.59	2.45
Diamond	0.12	0.25	0.5	1	2	3
Emerald	0.09	0.3	0.6	1.1	1.8	2.8
Garnet	0.09	0.25	0.6	1.2	2	2.85



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Opal	0.09	0.17	0.37	0.59	1	1.25
Peridot	0.1	0.25	0.5	1	2	2.55
Ruby	0.13	0.35	0.75	1.15	2.2	3
Sapphire	0.13	0.35	0.75	1.15	2.2	3
Topaz	0.07	0.3	0.7	1.2	2	3.4
Tourmaline	0.1	0.3	0.6	0.85	1.55	2.2

Gemstone Enhancements

Gemstone	Code	Enhancement Method	Use	Stability	Care
Alexandrite	N	None	N/A	N/A	Normal
Amethyst	H	Heated to Lighten Color	Occasional	Excellent	Special
Aquamarine	H	Heated to remove yellow	Usually	Excellent	Normal
Beryl-Red	H or O	Colorless Oil to fill fissures	Common	Very Good	Special
Beryl-Pink	H	Heated to remove yellow	Common	Excellent	Normal
Chrysoberyl	N	None	N/A	Excellent	Normal
Chrysoberyl-Cats Eye	R	Irradiated to Change Color	Occasional	Excellent	Normal



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Diamond-Colorless	LC	Laser drilled to improve appearance	Common/Occasional	Very Good	Normal
Diamond-Colored	LC,F, or R	Laser drilled to improve appearance	Very Good	Very Good	Normal
		Irradiated for fancy color			
			Occasional	Fair/Poor	Special
Emerald	H or O	Oil, Wax or Resin to improve appearance	Common	Fair/Very Good	Special
Garnet	N	None	N/A	N/A	Normal
Kunzite	H	Heated to improve color	Common	Fair	Special
Opal-White,Black	N	None	N/A	N/A	Special
Opal-White,Black	O	Impregnated with Oil	Rarely	Fair	Special
Opal-Boulder	N	None	N/A	N/A	Normal
Opal-Boulder	O	Infusion of colorless substances	Occasional	Fair	Special
Opal-Fire	N	None	N/A	N/A	Special
Pearl-Natural	B	Bleached to improve color	Common	Very Good	Special
Pearl-Natural	D	Dyed to produce grey/black	Rarely	Good/Very Good	Special
Peridot	N	None	N/A	N/A	Normal



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Peridot	H or O	Improve appearance	Rarely	Good/Fair	Special
Ruby	N	None	N/A	N/A	Normal
Ruby	H	Improve color/appearance	Usually	Excellent	Normal
Ruby	D or F	Improve color/appearance	Common	Good/Poor	Special
Ruby	DI	Artificial color	Occasional	Good	Special
Sapphire	N	None	N/A	N/A	Normal
Sapphire	H	Improve color/appearance	Usually	Excellent	Normal
Sapphire	DI	Artificial color	Common	Good	Special
Sapphire	R	Intense yellow or orange color	Occasional	Very Poor	Special
Spinel	N	None	N/A	N/A	Normal
Tanzanite	H	Heated to produce blue/violet color	Usually	Excellent	Special
Topaz-Blue	R/H	Heated/Irradiated for color	Usually	Excellent	Normal
Topaz-Yellow/Orange	R	Intensify color	Occasional	Fair	Special
Topaz-Pink	H	Heated for color	Usually	Excellent	Normal
Topaz-Green	R	Irradiated to produce color	Usually	Good	Special
Tourmaline	N	None	N/A	N/A	Normal
Tourmaline	H	Heated for color	Common	Excellent	Normal



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Tourmaline	R	Irradiated to intensify color	Common	Good	Normal
Zircon	N	None	N/A	N/A	Special
Zircon	H	Heated for color	Rarely	Good	Special

B Bleaching-Artificial Color

D Dyeing-Artificial Color

F Filling-Durability/Appearance

H Heating-Color/Clarity

R Irradiation-Color Enhancement

O Oiling/Resin Infusion-Appearance

N None

DI Diffusion-Chemicals and High Temperature-Artificial Color

WO Waxing Oiling-Colorless Wax or Oil Introduced for Clarity

LC Laser/Chemicals-Laser Chemicals to alter inclusions

PI Plastic Introduction-Durability/Appearance

WO Waxing Oiling-Appearance

HP Heating/Pressure-Color/Clarity