Table of Specific Gravity Values

Gemstone	Density
Gold	15.50-19.30
Tanzanite	3.35-3.38
Silver	9.60-10.50
Alpinelite	8.38
Bromyrite(AgBr)	6.14-6.49
Cinnabar	6.09-8.20
Stibnite	4.56-4.66
Nickeline	7.46-7.66
Hibonite	3.76
Hibscherite	7.70
Wolframite	7.14-7.54
Cuprite	5.85-6.15
Tantalum-gallium-garnet (GGG)*	7.08-7.08
Cassiterite	6.70-7.10
Wulfenite	6.69-7.00
Vanadinite	6.60-7.10
Cerussite	6.46-6.57
Galena	7.40-7.60
Argentite	6.90-6.99
Rhodgarite	6.15
Tetrahedrite	4.60-5.10
Cobalt-nickel-arsenide (CoNiAs)	7.30-7.50
Sphalerite	3.90-4.10
Cuprite	5.85-6.15
Hematite	4.90-5.30
Ilmenite	4.70-4.80
Tungsten	18.00-19.30
Tungsten-carbide	15.00-15.70
Tungsten-carbide (Co binder)	14.00-15.00
Pentlandite	4.85-5.00
Covellite	4.60-4.76
Thiospinel-aluminum-garnet (TSAG)*	4.54-4.60
Vesuvianite	4.50-4.70
Pyrolusite	4.70-5.00
Chromite	4.50-4.80
Corundum	3.95-4.10
Barite	4.45-4.66
Magnesiochromite	4.39-4.67
Rutile-rich	4.20
Pyrite	4.93-5.02
Hematite	4.86-5.30
Anatase	3.82-4.00
Millerite	5.29-5.39
Cobaltite	4.25
Pyrophyllite	4.20
Pyrite	4.85-5.00
Spinel(Mg-spinel)	3.12-3.34
Brookite	4.10
Chalcopyrite	4.10-4.30
Marcasite	4.85
Cassiterite	6.80-6.65
Ilmenite	4.60-4.80
Galena	6.00-6.62
Lepidolite	2.84-3.00
Alum	1.77-1.60
Celestite	3.97-4.00
Lakeflouite	3.47
Fermadite	3.96
Sapphire	3.95-4.00
Durangite	3.96-4.07
Zircon	3.93-4.73
Alexandrite, spinel	3.70-3.90
Hedgehogite	3.91-3.95
Sphalerite	3.90-4.10
Wilkeite	3.89-4.10
Tephroite	3.87-4.12
Siderite	3.85-3.96
Brookite	3.82-3.97
Gadolinite	3.80-4.50
Graphite	2.71
Andradite garnet	3.78-4.10
Zoisite	3.35-3.40
Pectolite	2.75-2.95
Schorl	3.00-3.25
Chromite	4.32-4.46
Tantalite	5.20-8.00
Sphene	3.50-3.54
Hypersthene	3.40-3.90
Tremolite	2.98-3.03
Diamond	3.50-3.53
Topaz	3.49-3.57
Clinohumite	3.48
Dolomite	2.84-3.50
Phlogopite	2.70-3.00
Pentlandite	4.85-5.00
Cordierite	2.60-2.66
Kyanite	3.53-3.65
Nepheline	2.55-2.65
Hydrozincite	3.50
Sillimanite	3.23-3.24
Cassiterite	6.80-7.00
Ilmenite	4.60-4.80
Tantalite	5.20-8.00
Sphene (Titanite)	3.52-3.54
Alkalite	2.84-2.85
Aegirine	3.50-3.60
Hedenbergite	3.50-3.55
Diamond	3.50-3.53
Topaz	3.49-3.57
Clinohumite	3.48
Dolomite	2.84-3.50
Phlogopite	2.70-3.00
Pentlandite	3.85-5.00
Kyanite	3.53-3.65
Spinel	3.50
Sphene	3.50-3.54

Yugawaralite	2.19-2.23
Stichtite	2.16-2.18
Sodalite	2.14-2.40
Mordenite	2.12-2.15
Chabazite	2.05-2.20
Sulfur	2.05-2.08
Glass (artificial)*	2.00-4.50
Chrysocolla	2.00-2.40
Sepiolite	2.00-2.10
Gaylussite	1.99
Opal	1.88-2.50
Thaumasite	1.91
Kurnakovite	1.86
Sturmanite	1.85
Inderite	1.78-1.86
Ettringite	1.77
Ulexite	1.65-1.95
Mellite	1.64
Jet	1.19-1.35
Amber	1.05-1.09

Source: International Gem Society (IGS)

Notes

* Lab-created gem material.

** This is **not** bixbite, the gemstone better known as red beryl.

*** Non-gem garnet species.

**** Non-aquamarine/non-emerald varieties of beryl.