

Minerals with Metallic Luster

Name	Hardness	Specific Gravity	Color	Streak	Crystal Pattern	Cleavage or Breakage	Uses and Special Properties
bornite Cu ₅ FeS ₄	3	4.9-5.4	bronze, tarnishes to dark blue, purple	gray-black	cubic (rare)	brittle, uneven fracture	source of copper
chalcopyrite CuFeS ₂	3.4-4	4.2	brassy to golden yellow	greenish-black	tetragonal	uneven	main ore of copper
copper Cu	3	8.5-9	copper red	copper red	cubic (rare)	fracture	coins, pipes, wire, cooking utensils
galena PbS	2.5	7.5	gray	gray to black	cubic	perfect cubic cleavage	source of lead, shields for X-rays, pipes
gold Au	2.5-3	19.3	pale to golden yellow	yellow	cubic (rare) octahedral	fracture	Jewelry, money, medicines, teeth fillings
graphite C	1-2	2.3	black to gray	black to gray	hexagonal	basal cleavage (scales)	pencil lead, lubricant
hematite Fe ₂ O ₃	6	5.3	black to reddish brown	red to reddish brown	hexagonal	fracture	source of iron, used in making steel
magnetite Fe ₃ O ₄	6	5.2	black	black	cubic (octahedral)	conchoidal fracture	source of iron, magnetic
pyrite FeS ₂	6.5	5.0	light brassy yellow	greenish-black	cubic	uneven fracture	fool's gold, source of iron
pyrrhotite FeS	4	4.6	bronze	gray-black	hexagonal	uneven fracture	ore of nickel, may be magnetic
silver Ag	2.5	10-12	silvery white, tarnishes to black	light gray to silver	wirelike forms cubic (rare)	fracture	coins, teeth fillings, silver plate, wire
sphalerite ZnS	3.5-4	4	brown (resinous)	pale yellow	cubic	dodecahedral cleavage	ore of zinc