The mass density or density of a material is its mass per unit volume. The symbol most often used for density is ρ (the lower case Greek letter rho). Mathematically, density is defined as mass divided by volume:

$$\rho = \frac{m}{V},$$

Standard dimension density is g/cm^3

So if you have mass of 52.497 g and a volume of 18.5 cm^3 the density is next:

ρ=52.497 g / 18.5 cm^3 = **2.84 g/cm^3**