Volume Converter

Convert volume between the displayed units using a common reference unit. The result keeps the input’s sign; select the exact unit rather than relying on an abbreviation alone.

Formula: converted = input * factor(from) / factor(to)

INPUTS AND EXAMPLE VALUES

Value: 1

From unit: L; choices: L (L), mL (mL), m^3 (m^3), US gal (US gal), US qt (US qt), US cup (US cup), UK gal (UK gal)

To unit: mL; choices: L (L), mL (mL), m^3 (m^3), US gal (US gal), US qt (US qt), US cup (US cup), UK gal (UK gal)

CHECK THE DEFAULT EXAMPLE

Converted value: 1,000 mL

LIMITS AND CONVENTIONS

Units are multiplicative; negative mathematical values are retained.

US and UK volume units are separate. Mass conversion does not infer material volume or density.

METHOD AND SOURCES

https://azhanmh.com/guides/tools/volume-converter

NIST - SI Guide: conversion factors, Appendix B.8: https://www.nist.gov/pml/special-publication-811/nist-guide-si-appendix-b-conversion-factors/nist-guide-si-appendix-b8

Display precision is for reporting; keep unrounded values for later calculations. Verify units and conventions. This reference does not replace institution, employer or network rules.