

Us Gallon Conversion To Liters

Fuel economy in automobiles miles per imperial gallon, alongside liters per 100 kilometers. The window The fuel economy (also called fuel efficiency or mileage) of an automobile relates to the distance traveled by a vehicle and the amount of fuel consumed. It can be expressed in terms of the volume of fuel to travel a given distance, such as in litres per 100 kilometres (L/100 km), or through its inverse, the distance traveled per unit volume of fuel consumed, as in kilometres per litre (km/L) or miles per gallon (mpg). Since fuel economy of vehicles is a significant factor in air pollution, the importation of motor fuel can be a large part of a nation's foreign trade and consumers frequently undervalue fuel efficiency, many countries impose requirements for fuel economy. Liters per 100 kilometers may be used alongside miles per imperial gallon in the UK

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United States customary units The United States customary system developed from English units that were in use in the British Empire before the U. The U. imperial gallon. S. uses the pre-1824 gallon (231 cubic inches, 3,790 cm3) and Winchester bushel (2,150. became an independent country. S. S. units are essentially similar to their imperial counterparts, there are noticeable differences between the systems. The United Kingdom's system of measures evolved by 1824 to create the imperial system, with imperial units, which was officially adopted in 1826, changing the definitions of some of its units. Consequently, while many U. 42 cubic inches, 35,239. S. 1 cm3), as opposed to British United States customary units form a system of measurement units commonly used in the United States and most U. territories since being standardized and adopted in 1832

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== Name ==

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Fuel efficiency Non-transportation applications, such as industry, benefit from increased fuel efficiency, especially fossil fuel power plants or industries dealing with combustion, such as ammonia production during the Haber process. miles per gallon (mpg), for example in the US and usually also in the UK (imperial gallon); there is sometimes confusion as the imperial gallon is 20% larger Fuel efficiency (or fuel economy) is a form of thermal efficiency, meaning the ratio of effort to result of a process that converts chemical potential energy contained in a carrier (fuel) into kinetic energy or work. Overall fuel efficiency may vary per device, which in turn may vary per application, and this spectrum of variance is often illustrated as a continuous energy profile

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The gallon currently has two definitions, one in the imperial system and another in the US customary system. In cooking, baking, distance measurement and temperature measurement, customary units are generally used rather than metric. Historically, there were many definitions and redefinitions... The imperial gallon (imp gal) is defined as 4.54609 litres, and is or was used in the United Kingdom and its former colonies, including Ireland, Canada, Australia, New Zealand, India, South Africa, Malaysia and some Caribbean countries, while the US gallon (US gal) is defined as 231 cubic inches (3.785411784 L), and is used in the United States and some Latin American and Caribbean countries.

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Quart e. equal to two-thirds of an imperial quart (or one-sixth of an imperial gallon), i. It is divided into two pints or (in the US) four cups. Three kinds of quarts are currently used: the liquid quart and dry quart of the US customary system and the imperial quart of the British imperial system. 08% larger than one US fifth The quart (symbol: qt) is a unit of volume equal to a quarter of a gallon. 7576816 liters: this is only 0. Historically, the size of a quart has varied with the different values of gallons over time, and in the case of the dry quart, in reference to different commodities. exactly 0

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The following abbreviations have been used to denote the cubic inch: cubic in, cu inch, cu in, cui, cu. in. Definitions The IEEE standard symbol is: in3

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Barrel (unit) In many connections, the term drum is used almost interchangeably with barrel. measuring oil defined as exactly 42 US gallons, approximately 159 liters, or 35 imperial gallons. According to the American Petroleum Institute (API) A barrel is one of several units of volume applied in various contexts: there are dry barrels; fluid barrels, such as the British beer barrel and American beer barrel; oil barrels, etc. For historical reasons, the volumes of some barrel units are roughly double the volumes of others; volumes in common use range approximately from 100 to 200 litres (22 to 44 imp gal; 26 to 53 US gal)

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== Notation conventions == The IEEE standard symbol for both the imperial and US gallons is gal, not to be confused with the gal (symbol: Gal), a CGS unit of acceleration. There are four gills in a pint, two pints in a quart, and four quarts (quarter gallons) in a gallon, with the imperial gill being divided into five imperial fluid ounces and the US gill being divided into four US fluid ounces: this, and a slight difference in the sizes of the imperial fluid ounce and the US fluid ounce, give different sizes for the imperial gallon and US gallon.

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Gallon The IEEE standard symbol for both the imperial and US gallons is gal The gallon is a unit of volume in British imperial units and United States customary units. and the US fluid ounce, give different sizes for the imperial gallon and US gallon

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Since medieval times, the term barrel as a unit of measure has had various meanings throughout Europe, ranging from about 100 litres to about 1,000 litres. The name was derived in medieval times from the French baril, of unknown origin, but still in use, both in French and as derivations in many other languages, such as Italian, Polish, and Spanish. In most countries, such usage is obsolescent, having been superseded by SI units. As a result, the meaning of corresponding words and related concepts (vat, cask, keg etc.) in other languages often refers to a physical container rather than a known measure.

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MPGe does not necessarily represent an equivalency in the operating costs between alternative fuel vehicles and the MPG rating of internal combustion engine vehicles due to the wide variation in costs for the fuel sources regionally since the EPA assumes prices that represents the national averages. Miles per gallon equivalent cost for alternate fuel can be

calculated with a simple conversion to the conventional mpg (miles per gallon, miles/gal). See conversion to MPG by cost below. 0825686d54 == Background == 0825686d54 The U.S. has a national policy to adopt the metric system. Under Executive Order 12770, signed in 1991 by President George H.W. Bush, all U.S. agencies were required to adopt the metric system. However, conversion was made not mandatory, so U.S. customary units remain in common use in government (for example, speed limits are still posted in miles per hour) and in many industries. There is government policy and metric (SI) program to implement and assist with metrication, but there is strong social resistance to further metrication. 0825686d54 The cubic inch and the cubic foot are used as units of volume in the United States, although the common SI units of volume, the liter, milliliter, and cubic meter, are also used, especially in manufacturing and high technology. One cubic inch is exactly 16.387064 mL. 0825686d54 The unit of energy consumed is deemed to be 33.7 kilowatt-hours without regard to the efficiency of conversion of heat energy into electrical energy, also measured in kilowatt-hours (kWh). 0825686d54 Different methods are used to approximate the actual performance of the vehicle. The energy in fuel is required to overcome various losses (such as wind resistance or tire drag) encountered while propelling the vehicle, and in providing power to vehicle systems such as ignition or air conditioning. Various strategies can be employed to reduce losses at each of the conversions between the chemical energy in the fuel and the kinetic energy of the vehicle. Driver behavior can affect fuel economy; maneuvers such as sudden... 0825686d54 The fuel rationing originally triggered discontent in Iran, but, according to analysts quoted in the Western news media, the Iranian government hoped reducing gasoline imports would help insulate the country from international pressure related to its nuclear program. "We will greatly suffer if they (foreign countries) suddenly decide not to sell us fuel," said Iranian political analyst Saeed Leylaz." In an interview, Iranian president Mahmoud Ahmadinejad said: "They [Americans] had a plan and idea that is neutralized. They don't know our nation. They think if they refuse to provide us with gasoline, our nation would say we don't want nuclear energy." 0825686d54

Metrication in the United States customary units have been defined in terms of metric units since the 19th century, and, according to United States law, the SI has been the "preferred system of weights and measures for United States trade and commerce" since 1988. nutrition labels (grams of fat), bottles of soft drink (liters), and volume displacement in engines (liters). The scientific and medical communities use metric Metrication is the process of introducing what is now the International System of Units, also known as SI units, to replace a jurisdiction's traditional measuring units. S. U 0825686d54

One cubic foot is equal to exactly 1,728 cubic inches (28.316846592 L), as $12^3 = 1728$. 0825686d54 However, the SI is used extensively in fields such as science, medicine, electronics, the military, automobile production and repair... 0825686d54 In internal combustion engines, the following abbreviations are used to denote cubic inch displacement: c.i.d., cid, CID, c.i., ci 0825686d54

2007 gasoline rationing plan in Iran Although Iran is one of the world's largest producers of petroleum, rapid increases in demand and limited refining capacity have forced the country to import about 40% of its gasoline, at an annual cost of up to US\$7 billion. Whereas, in Iran motorists are allowed 100 liters (26. 4 US gallons) of gasoline each month at the subsidized price of about 10 cents per liter The 2007 gasoline rationing plan in Iran was launched by president Mahmoud Ahmadinejad's cabinet to reduce that country's fuel consumption. liter 0825686d54

The majority of U.S. customary units were redefined in terms of the meter and kilogram with the Mendenhall Order of 1893 and, in practice, for many years before. These definitions were refined by the international yard and pound agreement of 1959. 0825686d54 In the context of transport, fuel economy is the energy efficiency of a particular vehicle, given as a ratio of distance traveled per unit of fuel consumed. It is dependent on several factors including engine efficiency, transmission design, and tire design. In most countries, using the metric system, fuel economy is stated as "fuel consumption" in liters per 100 kilometers (L/100 km) or kilometers per liter (km/L or kmpl). In a number of countries still using other systems, fuel economy is expressed in miles per gallon (mpg), for example in the US and usually also in the UK (imperial gallon... 0825686d54 The National Electrical Code established the cubic inch as the conventional unit in North America for measuring the usable volume of electrical boxes. A "cu in" rating is embossed on each box. 0825686d54 In the international oil market context, however, prices in United States dollars per barrel are commonly used, and the term... 0825686d54 The term comes from the Latin quartus (meaning one-quarter) via the French quart. However, although the French word quart has the same root, it frequently means something entirely different. In Canadian French in particular, the quart is called pinte, while the pint is called chopine. 0825686d54

Miles per gallon gasoline equivalent S. in miles per U. gallon. MPGe is used by the United States Environmental Protection Agency (EPA) to compare energy consumption of alternative fuel vehicles, plug-in electric vehicles and other advanced technology vehicles with the energy consumption of conventional internal combustion vehicles rated in miles per U. 7 kilowatt-hours without regard to the efficiency of conversion of heat energy Miles per gallon gasoline equivalent (MPGe or MPGge) is a measure of the average distance traveled per unit of energy consumed. S. gallon. The unit of energy consumed is deemed to be 33 0825686d54

The MPGe metric was introduced in November 2010 by EPA in the Monroney sticker of the Nissan... 0825686d54

Cubic inch (length, width, and height) being one inch long which is equivalent to 1/231 of a US gallon. The cubic inch and the cubic foot are used as units of volume The cubic inch (symbol in³), sometimes abbreviated cu in, is a unit of volume in the Imperial units and United States customary units systems. It is the volume of a cube with each of its three dimensions (length, width, and height) being one inch long which is equivalent to 1/231 of a US gallon 0825686d54

The United States uses customary units in commercial activities, as well as for personal and social use. In science, medicine, many sectors of industry, and some government and military areas, metric units are used. The International System of Units (SI), the modern form of the metric system... 0825686d54

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