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Volume Conversion Chart

Litres, US gallons, UK gallons, quarts and pints

For: Drivers, cooks, brewers, gardeners and engineers

allunitconversions.com/volume-conversion-chart
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EXACT DEFINITION	FORMULA	REVERSE	WORKED EXAMPLE
1 US gal = 3.785 411 784 L; 1 UK gal = 4.546 09 L (both exact)	US gal = L ÷ 3.785 412; UK gal = L ÷ 4.546 09	L = US gal × 3.785 412; L = UK gal × 4.546 09	50 L ÷ 3.785412 = 13.21 US gal = 11.00 UK gal

Matrix values use 6 significant figures; tables are rounded as shown.

Factor matrix — 1 unit in every other unit

1 unit =	mL	L	m^3	US pt	US qt	US gal	UK gal
1 mL	1	0.001	1×10^{-6}	0.00211338	0.00105669	2.64172×10^{-4}	2.19969×10^{-4}
1 L	1,000	1	0.001	2.11338	1.05669	0.264172	0.219969
1 m^3	1×10^{6}	1,000	1	2,113.38	1,056.69	264.172	219.969
1 US pt	473.176	0.473176	4.73176×10^{-4}	1	0.5	0.125	0.104084
1 US qt	946.353	0.946353	9.46353×10^{-4}	2	1	0.25	0.208169
1 US gal	3,785.41	3.78541	0.00378541	8	4	1	0.832674
1 UK gal	4,546.09	4.54609	0.00454609	9.6076	4.8038	1.20095	1

Litres to US and UK gallons

Litres (L)	US gallons (US gal)	UK gallons (UK gal)
1	0.264	0.220
2	0.528	0.440
3	0.793	0.660
4	1.057	0.880
5	1.321	1.100
6	1.585	1.320
7	1.849	1.540
8	2.113	1.760
9	2.378	1.980
10	2.642	2.200
11	2.906	2.420
12	3.170	2.640
13	3.434	2.860
14	3.698	3.080
15	3.963	3.300
16	4.227	3.520
17	4.491	3.739
18	4.755	3.959
19	5.019	4.179
20	5.283	4.399

Litres (L)	US gallons (US gal)	UK gallons (UK gal)
25	6.604	5.499
30	7.925	6.599
35	9.246	7.699
40	10.567	8.799
45	11.888	9.899
50	13.209	10.998
55	14.529	12.098
60	15.850	13.198
65	17.171	14.298
70	18.492	15.398
75	19.813	16.498
80	21.134	17.598
85	22.455	18.697
90	23.775	19.797
95	25.096	20.897
100	26.417	21.997
150	39.626	32.995
200	52.834	43.994
500	132.086	109.985
1,000	264.172	219.969

US gallons to litres

US gallons (US gal)	Litres (L)	US gallons (US gal)	Litres (L)	US gallons (US gal)	Litres (L)
1	3.79	**13**	49.21	**45**	170.34
2	7.57	**14**	53.00	**50**	189.27
3	11.36	**15**	56.78	**55**	208.20
4	15.14	**16**	60.57	**60**	227.12
5	18.93	**17**	64.35	**65**	246.05
6	22.71	**18**	68.14	**70**	264.98
7	26.50	**19**	71.92	**75**	283.91
8	30.28	**20**	75.71	**80**	302.83
9	34.07	**25**	94.64	**85**	321.76
10	37.85	**30**	113.56	**90**	340.69
11	41.64	**35**	132.49	**95**	359.61
12	45.42	**40**	151.42	**100**	378.54

Sources and method

- **NIST Special Publication 811** — Guide for the Use of the International System of Units (www.nist.gov/pml/special-publication-811)
- **BIPM SI Brochure, 9th edition** — Definitions of the SI units, including the kelvin (www.bipm.org/en/publications/si-brochure)

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