

# 工業単位の換算表

## 長さ (LENGTH)

cm	m	km	in	ft	尺
1	0.01	0.01	0.3937	0.0328	0.033
100	1	0.001	39.371	3.2809	3.3
100,000	1,000	1	39,371	3,280.9	3,300
2.54	0.02540	0.0254	1	0.08333	0.08382
30.48	0.3048	0.03048	12	1	1.0058
30.30	0.30303	0.03030	11.9303	0.9942	1

## 面積 (AREA)

cm <sup>2</sup>	m <sup>2</sup>	in <sup>2</sup>	ft <sup>2</sup>	尺 <sup>2</sup>
1	0.001	0.1550	0.001076	0.001089
1×10 <sup>4</sup>	1	1,550.1	10.7643	10.89
6.4514	0.006451	1	0.006944	0.007026
929	0.0929	144	1	1.0117
918.27	0.09183	142.34	0.9885	1

## 体積 (VOLUME)

dm <sup>3</sup> 或は	m <sup>3</sup> 或は	ft <sup>3</sup>	英gal	米gal	石	尺 <sup>3</sup>
1	0.001	0.03532	0.220	0.2642	0.025544	0.03594
1,000	1	35.317	219.95	264.19	5.5435	35.937
28.315	0.02832	1	6.2279	7.4806	0.1570	1.0175
4.5465	0.004547	0.1606	1	1.2011	0.02520	0.1633
3.7852	0.003785	0.1337	0.8325	1	0.02098	0.1360
180.39	0.18039	6.3707	39.676	47.656	1	6.4827
27.826	0.02783	0.9827	6.1203	7.3514	0.15425	1

## 質量 (MASS)

g	kg	t (tonne) (仏)	lb	ton (英)	ton (米)	貫	斤
1	0.001	0.001	0.002205	0.000984	0.001102	0.002667	0.001667
1,000	1	0.001	2.2046	0.000984	0.001102	0.2667	1.6667
1×10 <sup>6</sup>	1,000	1	2,204.6	0.9842	1.1023	266.67	1,666.7
453.6	0.4536	0.0004536	1	0.000446	0.00051	0.121	0.760
1,016,047	1,016.05	1.01605	2,240	1	1.12	270.94	1,693.4
907,185	907.185	0.90719	2,000	0.89286	1	241.91	1,519.8
3,750	3.75	0.00375	8.2673	0.003691	0.004134	1	6.25
600	0.6	0.0006	1.3228	0.0005905	0.0006613	0.16	1

## 粘度 (VISCOSITY)

Poise=g/cm·s (CGS単位)	centipoise.cP	kg/m·s	kg/m·h	lb/ft·s
1	100	0.1	360	0.0672
0.01	1	0.001	3.6	0.000672
10	1,000	1	3,600	0.672
0.00278	0.278	0.000278	1	0.000187
14.88	1,488	1.488	5,356.8	1

## 速度 (VELOCITY)

m/s	m/h	km/h	ft/s	ft/min	mile/h
1	3,600	3.6	3.281	196.85	2.2370
0.002778	1	0.001	0.009114	0.05468	0.006214
0.2778	1,000	1	0.9114	54.682	0.6214
0.3048	1,097.25	1.0973	1	60	0.68182
0.025080	18.287	0.01829	0.01667	1	0.01136
0.4470	1,609.31	1.6093	1.4667	88	1

## 流量 (FLOW)

/s	/min	m <sup>3</sup> /min	m <sup>3</sup> /h	m <sup>3</sup> /s	英gal/min	米gal/min
1	60	0.06	3.6	0.001	13.197	15.8514
0.01667	1	0.001	0.06	0.001667	0.2200	0.2642
16.67	1,000	1	60	0.01667	219.95	264.19
0.2778	16.67	0.01667	1	0.002778	3.6658	4.4032
1,000	60,000	60	3,600	1	13,197	15,851.4
0.07578	4.546	0.004546	0.2728	0.007578	1	1.2011
0.06309	3.785	0.003785	0.2271	0.006309	0.8325	1

## 圧力 (PRESSURE)

lb/in <sup>2</sup> または PSI	Pa	kPa	MPa	kgf/cm <sup>2</sup>	bar	atm	mmHg または Torr	mmH <sub>2</sub> O
1	6,894.8	6.8948	0.006895	0.07031	0.068678	0.06804	51.714	702.99
0.0314504	1	0.001	0.0001	0.010197	0.01	0.009869	0.07501	0.10197
0.14504	1,000	1	0.001	0.010197	0.01	0.009869	7.501	101.97
145.03	1,000,000	1,000	1	10.1970	10.000	9.8690	7,501	101,970
14.223	98,068	98.068	0.098068	1	0.98068	0.96783	735.61	10,000
14.561	100,000	100	0.10000	1.01970	1	0.98690	750.10	10,197
14.697	101,330	101.33	0.10133	1.0332	1.0133	1	760.06	10,332
0.019337	133.32	0.13332	0.0013332	0.013594	0.013332	0.013157	1	13.594
0.0214225	9.8068	0.0098068	0.00098068	0.01	0.009869	0.0096783	0.073561	1