

## Si prefixes

Prefix	Symbol	Factor	Decimal	Common Name	Pronunciation	Origin
yotta	Y	$10^{24}$	1,000,000,000,000,000,000,000,000	septilion	YOTT-uh	Latin: “eight” (octo) $[(10^3)^8]$
zetta	Z	$10^{21}$	1,000,000,000,000,000,000,000	sextilion	ZETT-uh	Latin: “seven” (septem) $[(10^3)^7]$
exa	E	$10^{18}$	1,000,000,000,000,000,000	quintillion	EX-uh	Greek: “six” (ἕξ) $[(10^3)^6]$
peta	P	$10^{15}$	1,000,000,000,000,000	quadrillion	PET-uh	Greek: “five” (πέντε) $[(10^3)^5]$
tera	T	$10^{12}$	1,000,000,000,000	trillion	TAIR-uh	Greek: “monster” (τέρας)
giga	G	$10^9$	1,000,000,000	billion	GIG-uh	Greek: “giant” (γίγας)
mega	M	$10^6$	1,000,000	million	MEG-uh	Greek: “big” (μέγας)
kilo	k	$10^3$	1,000	thousand	KILL-oh	Greek: “thousand” (χίλια)
		$10^0$	1	one		
milli	m	$10^{-3}$	.001	thousandth	MILL-ih	Latin: “thousandth” (millesimum)
micro	$\mu$	$10^{-6}$	.000 001	millionth	MIKE-roe	Greek: “small” (μικρός)
nano	n	$10^{-9}$	.000 000 001	billionth	NAN-oh	Greek: “dwarf” (νάνος)
pico	p	$10^{-12}$	.000 000 000 001	trillionth	PEEK-oh	Spanish (probably): “and a little” (y pico)
femto	f	$10^{-15}$	.000 000 000 000 001	quadrillionth	FEM-toe	Dano-Norwegian: “fifteen” (femten)
atto	a	$10^{-18}$	.000 000 000 000 000 001	quintillionth	AT-toe	Dano-Norwegian: “eighteen” (atten)
zepto	z	$10^{-21}$	.000 000 000 000 000 000 001	sextillionth	ZEP-toe	Latin: “seven” (septem) $[(10^3)^{-7}]$
yocto	y	$10^{-24}$	.000 000 000 000 000 000 000 001	septillionth	YOCK-toe	Latin: “eight” (octo) $[(10^3)^{-8}]$

The table lists SI prefixes that are powers of  $10^3$ . The only other SI prefix in common usage in physics is c (centi), in  $\text{cm} = 10^{-2} \text{ m}$ .