

Equivalents

1 mm	=	.039 inch
	=	.1 cm
1 inch	=	2.54 cm
	=	25.4 mm
1 foot	=	304.8 mm
8 inches	=	203.2 mm
	=	20.32 cm
	=	.20 m
1 mile	=	1.61 km
1 meter	=	100 cm
	=	1000mm
	=	3.28 feet
	=	39.37 inches
	=	1.09 yard
1 km	=	3280.8 feet
	=	.621 mile
1 Å	=	10^{-10} m
	=	.1 nm
1 nm	=	10 Å
1 micron	=	1×10^{-6} m
1 AU	=	1.5×10^{11} m
	=	499 light secs
1 ly	=	9.46×10^{12} km
	=	9.46×10^{15} m
	=	5.88×10^{12} mile
	=	.31 pc
	=	63,239.8 AU
1pc	=	3.1×10^{16} m
	=	3.26 ly
	=	206,264.8 AU
	=	1.92×10^{13} mile
1 naut mile	=	1.15 stat mile
	=	6076 feet

Data

1 day	=	86,400 sec
1 syn mon	=	29.53 day
1 sid mon	=	27.32 day
1 year	=	365.25 day
	=	31,557,600 sec
c	=	2.99×10^8 m/sec
Planck, h	=	6.62607×10^{-34} J.s
G	=	6.674×10^{-11} N.m ² /kg ²
Electron	=	9.10938×10^{-31} kg
Proton	=	1.672622×10^{-27} kg
Neutron	=	1.674927×10^{-27} kg

Sun:

Mass	=	1.9891×10^{30} kg
Temp	=	5780 K
Radius	=	696,265 km
Output	=	3.85×10^{26} W
1 AU flux	=	1.37 kW/m ²

Wavelengths:

Violet	=	420 nm
Blue	=	470 nm
Green	=	530 nm
Yellow	=	580 nm
Orange	=	610 nm
Red	=	660 nm

Moon:

New	Rises Sunrise,	Sets Sunset
1 st Quarter	Rises Noon,	Sets Midnight
Full	Rises Sunset,	Sets Sunrise
Last Quarter	Rises Midnight,	Sets Noon