

## Python date & time Conversion Cheat Sheet

%a	Sun
% <b>A</b>	Sunday
% <b>b</b>	Jan
%В	January
%с	Sun Jan 1 00:00:00 2021
% <b>d</b>	<b>01 to 31</b> (Day)
%Н	00 to 23 (Hour)
%I	(01 to 12 (Hour)
%j	001 to 366 (Day of year)
% <b>m</b>	01 to 12 (Month)
%M	00 to 59 (Minute)

% <b>p</b>	AM / PM
%S	00 to 61 (Second)
%U / %W	00 to 53 (Week number)
%w	0 to 6 (Weekday)
%х	Date
%X	Time
%у	00 to 99 (Year)
% <b>Y</b>	2021 (Year)
%z	+0900 (Offset)
%Z	EDT / JST / WET etc (GMT)

Input Type	Input Example	Output Type	Output Example	Code
string	"08/04/2021"	DateTime	"2021-04-08 00:00:00"	from datetime import datetime datetime.strptime("08/04/2021", "%d/%m/%Y")
Datetime	"2021-04-08 00:00:00"	string	"08/04/2021"	datetime.strftime(dt_object, "%d/%m/%Y")
string	"08/04/2021"	float (UTC timestamp in seconds)	1617836400.0	dt_object = datetime.strptime("08/04/2021", "%d/%m/%Y") datetime.timestamp(dt_object)
string	"08/04/2021"	string	"2021-04-08"	datetime.strptime("08/04/2021", "%d/% m/% Y").strftime("% Y-% m-%d")
float (UTC timestamp in seconds)	1617836400.0	DateTime	"2021-04-08 00:00:00"	datetime.fromtimestamp(1617836400.0)
float (UTC timestamp in seconds)	1617836400.0  NewYork timezone	string	"08/04/2021"  Tokyo timezone	datetime.fromtimestamp(1617836400.0).strftime("%d/%m/%Y")  from pytz import timezone
string	"08-04-2021 08:33:00-0400"	Datetime	"2021-04-08 21:33:00+09:00"	ny_time = datetime.strptime("08-04-2021 08:33:00-04:00", "%d-%m-%Y %H:%M:%S%f%z") tokyo_time = ny_time.astimezone(timezone('Asia/Tokyo'))
string	"20:00"	string	"08:00 PM"	datetime.strptime("20:00", "%H:%M").strftime("%I:%M %p")
string	"08:00 PM"	string	"20:00"	datetime.strptime("08:00 PM", "%I:%M %p").strftime("%H:%M")