

# strftime Reference

## DAY

- %a** [Sun – Sat] Abbreviated name for the day
- %A** [Sunday – Saturday] Full name for the day
- %d** [01 – 31] Two-digit day of the month (with leading zeros)
- %e** [1 – 31] Day of the month, with a space preceding single digits.
- %j** [001 – 366] Day of the year, 3 digits with leading zeros
- %u** [1 (Mon) – 7 (Sun)] ISO-8601 number for the day of the week
- %w** [0 (Sunday) – 6 (Saturday)] Number for the day of the week

## WEEK

- %U** Week number, starting with the first Sunday as the first week
- %V** ISO-8601:1988 week number, starting with the first week of the year with at least 4 weekdays, with Monday being the start of the week
- %W** Week number, starting with the first Monday as the first week

## MONTH

- %b/%h** [Jan – Dec] Abbreviated month name
- %B** [January – December] Full month name
- %m** [01 (Jan) – 12 (Dec)] Two digit month

## YEAR

- %C** [19 for the 20th Century] Two digit century (year divided by 100)
- %g** [09 for the week of January 6, 2009] Two digit year going by ISO-8601:1988 standards (see %V)
- %G** [2008 for the week of January 3, 2009] The full four-digit version of %g
- %y** [09 for 2009, 79 for 1979] Two digit year
- %Y** [2038] Four digit year

## TIME

- %H** [00 – 23] Two digit hour in 24-hour format
- %k** [0 – 23] Two digit hour in 24-hour format, with a space preceding single digits
- %I** [01 – 12] Two digit hour in 12-hour format
- %l** [1 – 12] Hour in 12-hour format, with a space preceding single digits (lower-case L)
- %M** [00 – 59] Two digit minute
- %p** Upper-case 'AM' or 'PM'
- %P** Lower-case 'am' or 'pm'
- %r** [09:34:17 PM for 21:34:17] Same as "%I:%M:%S %p"
- %R** [00:35 for 12:35 AM, 16:44 for 4:44 PM] Same as "%H:%M"
- %S** [00 – 59] Two digit second
- %T** [21:34:17 for 09:34:17 PM] Same as "%H:%M:%S"
- %X** [03:59:16 or 15:59:16] Preferred time based on locale, without the date
- %z** [-0500 for US Eastern Time] The time zone offset.
- %Z** [EST for Eastern Time] The time zone abbreviation.

## TIME AND DATE STAMPS

- %c** [Tue Feb 5 00:45:10 2009 for February 5, 2009 at 12:45:10 AM] Preferred date and time stamp based on locale
- %D** [02/05/09 for February 5, 2009] Same as "%m/%d/%y"
- %F** [2009-02-05 for February 5, 2009] Same as "%Y-%m-%d"
- %s** Unix Epoch Time timestamp
- %x** [02/05/09 for February 5, 2009] Preferred date based on locale, without the time

## MISCELLANEOUS

- %n** A newline character ("\n")
- %t** A Tab character ("\t")
- %%** A literal percentage character ("%")