PHP Calendar Introduction

The calendar extension contains functions that simplifies converting between different calendar formats.

**It is based on the Julian Day Count, which is a count of days starting from January 1st, 4713 B.C.**

**Note:** To convert between calendar formats, you must first convert to Julian Day Count, then to the calendar of your choice.

**Note:** The Julian Day Count is not the same as the Julian Calendar!

Installation

For these functions to work, you have to compile PHP with --enable-calendar.

The Windows version of PHP has built-in support for this extension.

PHP 5 Calendar Functions

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| **Function** | **Description** |
| [cal\_days\_in\_month()](http://www.w3schools.com/php/func_cal_cal_days_in_month.asp) | Returns the number of days in a month for a specified year and calendar |
| [cal\_from\_jd()](http://www.w3schools.com/php/func_cal_cal_from_jd.asp) | Converts a Julian Day Count into a date of a specified calendar |
| [cal\_info()](http://www.w3schools.com/php/func_cal_cal_info.asp) | Returns information about a specified calendar |
| [cal\_to\_jd()](http://www.w3schools.com/php/func_cal_cal_to_jd.asp) | Converts a date in a specified calendar to Julian Day Count |
| [easter\_date()](http://www.w3schools.com/php/func_cal_easter_date.asp) | Returns the Unix timestamp for midnight on Easter of a specified year |
| [easter\_days()](http://www.w3schools.com/php/func_cal_easter_days.asp) | Returns the number of days after March 21, that the Easter Day is in a specified year |
| [frenchtojd()](http://www.w3schools.com/php/func_cal_frenchtojd.asp) | Converts a French Republican date to a Julian Day Count |
| [gregoriantojd()](http://www.w3schools.com/php/func_cal_gregoriantojd.asp) | Converts a Gregorian date to a Julian Day Count |
| [jddayofweek()](http://www.w3schools.com/php/func_cal_jddayofweek.asp) | Returns the day of the week |
| [jdmonthname()](http://www.w3schools.com/php/func_cal_jdmonthname.asp) | Returns a month name |
| [jdtofrench()](http://www.w3schools.com/php/func_cal_jdtofrench.asp) | Converts a Julian Day Count to a French Republican date |
| [jdtogregorian()](http://www.w3schools.com/php/func_cal_jdtogregorian.asp) | Converts a Julian Day Count to a Gregorian date |
| [jdtojewish()](http://www.w3schools.com/php/func_cal_jdtojewish.asp) | Converts a Julian Day Count to a Jewish date |
| [jdtojulian()](http://www.w3schools.com/php/func_cal_jdtojulian.asp) | Converts a Julian Day Count to a Julian date |
| [jdtounix()](http://www.w3schools.com/php/func_cal_jdtounix.asp) | Converts Julian Day Count to Unix timestamp |
| [jewishtojd()](http://www.w3schools.com/php/func_cal_jewishtojd.asp) | Converts a Jewish date to a Julian Day Count |
| [juliantojd()](http://www.w3schools.com/php/func_cal_juliantojd.asp) | Converts a Julian date to a Julian Day Count |
| [unixtojd()](http://www.w3schools.com/php/func_cal_unixtojd.asp) | Converts Unix timestamp to Julian Day Count |

PHP 5 Predefined Calendar Constants

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| **Constant** | **Type** | **PHP Version** |
| CAL\_GREGORIAN | Integer | PHP 4 |
| CAL\_JULIAN | Integer | PHP 4 |
| CAL\_JEWISH | Integer | PHP 4 |
| CAL\_FRENCH | Integer | PHP 4 |
| CAL\_NUM\_CALS | Integer | PHP 4 |
| CAL\_DOW\_DAYNO | Integer | PHP 4 |
| CAL\_DOW\_SHORT | Integer | PHP 4 |
| CAL\_DOW\_LONG | Integer | PHP 4 |
| CAL\_MONTH\_GREGORIAN\_SHORT | Integer | PHP 4 |
| CAL\_MONTH\_GREGORIAN\_LONG | Integer | PHP 4 |
| CAL\_MONTH\_JULIAN\_SHORT | Integer | PHP 4 |
| CAL\_MONTH\_JULIAN\_LONG | Integer | PHP 4 |
| CAL\_MONTH\_JEWISH | Integer | PHP 4 |
| CAL\_MONTH\_FRENCH | Integer | PHP 4 |
| CAL\_EASTER\_DEFAULT | Integer | PHP 4.3 |
| CAL\_EASTER\_ROMAN | Integer | PHP 4.3 |
| CAL\_EASTER\_ALWAYS\_GREGORIAN | Integer | PHP 4.3 |
| CAL\_EASTER\_ALWAYS\_JULIAN | Integer | PHP 4.3 |
| CAL\_JEWISH\_ADD\_ALAFIM\_GERESH | Integer | PHP 5.0 |
| CAL\_JEWISH\_ADD\_ALAFIM | Integer | PHP 5.0 |
| CAL\_JEWISH\_ADD\_GERESHAYIM | Integer | PHP 5.0 |