

★ floreal

public

Date formatting for the French Revolutionary calendar

### Installation

Using git:

```
$ git clone https://github.com/seeschloss/floreal.git
```

Using npm:

```
$ npm install floreal
```

### Usage

#### new floreal.Date(timespec)

Uses the native JavaScript Date object to parse timespec and takes any correctly formatted date. An undefined timespec means today.

```
var Floreal = require('floreal').Date;
var coup = new Floreal("1799-11-09");
console.log('%s', coup);
```

will output:

```
18 brumaire, an VIII
```

#### floreal.Date.toFullDateString()

Returns the full date in long form as "[day number] [month name], an [year in roman numerals]"

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-10-11")).toFullDateString());
```

will output:

```
18 brumaire, an VIII
```

#### floreal.Date.toShortDateString()

Returns the full date in short form as "[day number]-[month number]-[year in roman numerals]"

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-10-11")).toShortDateString());
```

will output:

```
18-02-VIII
```

#### floreal.Date.setYear(year)

Sets Republican year for the date in roman numerals

#### floreal.Date.setYearDecimal(year)

Sets Republican year for the date in arabic numerals

#### floreal.Date.setMonth(month)

Sets Republican month for the date. Month 1 is vendémiaire, both 0 and 13 represent complementary days.

#### floreal.Date.setDay(day)

Sets Republican day for the date, first day of the month is 1.

#### floreal.Date.setDate(year, month, day)

Sets the full Republican date.

```
var Floreal = require('floreal').Date;
var date = new Floreal();
date.setDate(8, 2, 18);
console.log('%s', date.toFullDateString());
```

will output:

```
18 brumaire, an VIII
```

#### floreal.Date.setMonth(month)

#### floreal.Date.setDay(day)

#### floreal.Date.year()

#### floreal.Date.yearDecimal()

Displays year of the Republic as roman numerals or as a decimal number

```
var Floreal = require('floreal').Date;
var coup = new Floreal("1799-11-09");
console.log('%s', coup.year());
console.log('%s', coup.yearDecimal());
```

will output:

```
VIII
8
```

#### floreal.Date.isYearSextile()

Returns true if year is sextile, using actual sextile years for years I to XVI, and **Romme system** for subsequent years.

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).isYearSextile());
console.log('%s', (new Floreal("1803-08-18")).isYearSextile());
```

will output:

```
false
true
```

#### floreal.Date.firstDayOfYear()

Returns the first day of the Republican year as a JavaScript Date object.

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).firstDayOfYear().toDateStri
console.log('%s', (new Floreal("1803-08-18")).firstDayOfYear().toDateStri
41
```

will output:

```
Mon Sep 23 1799
Thu Sep 23 1802
```

#### floreal.Date.dayOfYear()

Returns the day number within the year (from 1 to 365, or 366 for sextile years).

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).dayOfYear());
```

will output:

```
48
```

#### floreal.Date.month()

Returns the month number within the year. Complementary days are technically not part of any month, but for practical purposes are considered part of the 13th month.

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).month());
```

will output:

```
2
```

#### floreal.Date.isComplementaryDay()

Whether the day is a complementary day—the five or six days at the end of the year which are not part of any month.

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1800-09-20")).isComplementaryDay());
```

will output:

```
true
```

#### floreal.Date.monthName()

Returns the (French) name of the month, in all lower case, or an empty string for complementary days.

```
var Floreal = require('floreal').Date;
console.log("%s", (new Floreal("1799-11-09")).monthName());
console.log("%s", (new Floreal("1800-09-20")).monthName());
```

will output:

```
"brumaire"
""
```

#### floreal.Date.dayOfMonth()

#### floreal.Date.day()

Returns the day number within its month, from 1 to 30 (1 to 6 for complementary days).

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).dayOfMonth());
console.log('%s', (new Floreal("1800-09-20")).dayOfMonth());
```

will output:

```
18
3
```

#### floreal.Date.dayOfDecade()

#### floreal.Date.dayOfWeek()

Returns the day number within its decade, from 1 to 10 (1 to 6 for complementary days).

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).dayOfDecade());
console.log('%s', (new Floreal("1800-09-20")).dayOfDecade());
```

will output:

```
8
3
```

#### floreal.Date.decade()

Returns the decade number within the month, from 1 to 3 (complementary days are reported as belonging to first decade).

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).decade());
console.log('%s', (new Floreal("1800-09-20")).decade());
```

will output:

```
2
1
```

#### floreal.Date.dayName()

Returns the name of the day (primidi, duodi... equivalent to monday, tuesday...). Complementary days have a different naming scheme and are named "jour de la vertu", "jour du génie", etc.

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-11-09")).dayName());
```

will output:

```
octidi
```

#### floreal.Date.dayTitle()

Returns the French name of the object associated with the day (like saints on Christian calendars).

```
var Floreal = require('floreal').Date;
console.log('%s', (new Floreal("1799-10-11")).dayTitle());
```

will output:

```
tournesol
```

 npm install floreal

 seeschloss published 10 months ago

1.1.1 is the latest of 7 releases

github.com/seeschloss/floreal

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### Collaborators



### Stats

7 downloads in the last day

21 downloads in the last week

49 downloads in the last month

No open issues on GitHub

No open pull requests on GitHub

### Try it out

 Test floreal in your browser.

### Keywords

conversion, dates, history, calendar, france, french, republic, historical

### Dependencies (1)

roman-numerals

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