









python-holidays

A fast, efficient Python library for generating country- and subdivision- (e.g. state or province) specific of government-designated holidays on the fly. It aims to make determining whether a specific date is a holiday as fast and flexible as possible.

Package:	 Python 3	 PyPI v0.31	 Downloads 5.7M/month
CD/CI:	 Tests passing	 coverage 100%	
Docs:	 docs passing		
Meta:	 code style black	 license MIT	

Install

The latest stable version can always be installed or updated via pip:

```
$ pip install --upgrade holidays
```

Documentation

The documentation is hosted on [Read the Docs](#).

Quick Start

```
from datetime import date
import holidays

us_holidays = holidays.US() # this is a dict
# the below is the same, but takes a string:
us_holidays = holidays.country_holidays('US') # this is a dict

nyse_holidays = holidays.NYSE() # this is a dict
# the below is the same, but takes a string:
nyse_holidays = holidays.financial_holidays('NYSE') # this is a dict

date(2015, 1, 1) in us_holidays # True
date(2015, 1, 2) in us_holidays # False
us_holidays.get('2014-01-01') # "New Year's Day"
```

The HolidayBase dict-like class will also recognize date strings and Unix timestamps:

```
'2014-01-01' in us_holidays # True
'1/1/2014' in us_holidays   # True
1388597445 in us_holidays   # True
```

Some holidays may be only present in parts of a country:

```
us_pr_holidays = holidays.country_holidays('US', subdiv='PR')
'2018-01-06' in us_holidays      # False
'2018-01-06' in us_pr_holidays   # True
```

Please see the [python-holidays documentation](#) for additional examples and detailed information.

Available Countries

We currently support 134 country codes. The standard way to refer to a country is by using its [ISO 3166-1 alpha-2 code](#), the same used for domain names, and for a subdivision its [ISO 3166-2 code](#). Some of countries support more than one language for holiday names output. A default language is defined by `default_language` (optional) attribute for each entity and is used as a fallback when neither user specified language nor user locale language available. The default language code is a [ISO 639-1 code](#). A list of all languages supported by country is defined by `supported_languages` (optional) attribute. If there no designated [ISO 639-1 code](#) then [ISO 639-2 code](#) can be used.

The list of supported countries, their subdivisions and supported languages (all default values are highlighted with bold):

Country	Code	Subdivisions
Albania	AL	
Algeria	DZ	
American Samoa	AS	Can also be loaded as country US, subdivision AS
Andorra	AD	Parishes: 02, 03, 04, 05, 06, 07, 08
Angola	AO	
Argentina	AR	
Armenia	AM	
Aruba	AW	
Australia	AU	States and territories: ACT , NSW, NT, QLD, SA, TAS, VIC,
Austria	AT	States: 1, 2, 3, 4, 5, 6, 7, 8, 9
Azerbaijan	AZ	
Bahrain	BH	

Country	Code	Subdivisions
Bangladesh	BD	
Barbados	BB	
Belarus	BY	
Belgium	BE	
Belize	BZ	
Bolivia	BO	Departments: B, C, H, L, N, O, P, S, T
Bosnia and Herzegovina	BA	Entities and district: BIH, BRC, SRP
Botswana	BW	
Brazil	BR	States: AC, AL, AM, AP, BA, CE, DF, ES, GO, MA, MG, MS,
Brunei	BN	
Bulgaria	BG	
Burkina Faso	BF	
Burundi	BI	
Cambodia	KH	
Cameroon	CM	
Canada	CA	Provinces and territories: AB, BC, MB, NB, NL, NS, NT, NU
Chad	TD	
Chile	CL	Regions: AI, AN, AP, AR, AT, BI, CO, LI, LL, LR, MA, ML, NE
China	CN	
Colombia	CO	
Costa Rica	CR	
Croatia	HR	
Cuba	CU	
Curacao	CW	
Cyprus	CY	
Czechia	CZ	
Denmark	DK	
Djibouti	DJ	
Dominican Republic	DO	
Ecuador	EC	
Egypt	EG	

Country	Code	Subdivisions
El Salvador	SV	Departments: AH, CA, CH, CU, LI, MO, PA, SA, SM, SO, SS
Estonia	EE	
Eswatini	SZ	
Ethiopia	ET	
Finland	FI	
France	FR	Départements: BL, GES, GP, GY, MF, MQ, NC, PF, RE, WF,
Gabon	GA	
Georgia	GE	
Germany	DE	States: BB, BE, BW, BY, BYP, HB, HE, HH, MV, NI, NW, RF
Greece	GR	
Guam	GU	Can also be loaded as country US, subdivision GU
Guatemala	GT	
Honduras	HN	
Hong Kong	HK	
Hungary	HU	
Iceland	IS	
India	IN	States: AN, AP, AR, AS, BR, CG, CH, DD, DH, DL, GA, GJ, I
Indonesia	ID	
Iran	IR	
Ireland	IE	
Isle of Man	IM	
Israel	IL	
Italy	IT	Provinces: AG, AL, AN, AO, AP, AQ, AR, AT, AV, BA, BG, BI
Jamaica	JM	
Japan	JP	
Kazakhstan	KZ	
Kenya	KE	
Kyrgyzstan	KG	
Latvia	LV	
Lesotho	LS	
Liechtenstein	LI	

Country	Code	Subdivisions
Lithuania	LT	
Luxembourg	LU	
Madagascar	MG	
Malawi	MW	
Malaysia	MY	States: JHR, KDH, KTN, KUL, LBN, MLK, NSN, PHG, PJY,
Malta	MT	
Marshall Islands (the)	MH	
Mexico	MX	
Moldova	MD	
Monaco	MC	
Montenegro	ME	
Morocco	MA	
Mozambique	MZ	
Namibia	NA	
Netherlands	NL	
New Zealand	NZ	Regions: AUK, BOP, CAN, CIT, GIS, HKB, MBH, MWT, NS
Nicaragua	NI	Departments: AN, AS, BO, CA, CI, CO, ES, GR, JI, LE, MD,
Nigeria	NG	
Northern Mariana Islands (the)	MP	Can also be loaded as country US, subdivision MP
North Macedonia	MK	
Norway	NO	
Pakistan	PK	
Panama	PA	
Paraguay	PY	
Peru	PE	
Philippines	PH	
Poland	PL	
Portugal	PT	Districts: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13,
Puerto Rico	PR	Can also be loaded as country US, subdivision PR
Romania	RO	
Russia	RU	

Country	Code	Subdivisions
San Marino	SM	
Saudi Arabia	SA	
Serbia	RS	
Singapore	SG	
Slovakia	SK	
Slovenia	SI	
South Africa	ZA	
South Korea	KR	
Spain	ES	Autonomous communities: AN, AR, AS, CB, CE, CL, CM, C
Sweden	SE	
Switzerland	CH	Cantons: AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU, LU, N
Taiwan	TW	
Thailand	TH	
Tunisia	TN	
Turkey	TR	
Ukraine	UA	
United Arab Emirates	AE	
United Kingdom	GB	Subdivisions: ENG, NIR, SCT, WLS
United States Minor Outlying Islands	UM	Can also be loaded as country US, subdivision UM
United States of America (the)	US	States and territories: AK, AL, AR, AS, AZ, CA, CO, CT, DC
United States Virgin Islands (the)		See Virgin Islands (U.S.)
Uruguay	UY	
Uzbekistan	UZ	
Vanuatu	VU	
Vatican City	VA	
Venezuela	VE	
Vietnam	VN	
Virgin Islands (U.S.)	VI	Can also be loaded as country US, subdivision VI
Zambia	ZM	
Zimbabwe	ZW	

Available Financial Markets

The standard way to refer to a financial market is to use its [ISO 10383 MIC](#) (Market Identifier Code) as “country” code when available. The following financial markets are available:

Entity	Code	Info
European Central Bank	ECB	Trans-European Automated Real-time Gross Settlement (TARGET2)
New York Stock Exchange	XNYS	NYSE market holidays (used by all other US-exchanges, including NA



Beta Version

The latest development (beta) version can be installed directly from GitHub:

```
$ pip install --upgrade https://github.com/vacanza/python-holidays/tarball/beta
```

All new features are always first pushed to beta branch, then released on master branch upon official version upgrades.

Contributions

[Issues](#) and [pull requests](#) are always welcome. Please see [here](#) for more information.

License

Code and documentation are available according to the MIT License (see [LICENSE](#)).