

A BOOK OF SEVENTEEN HELPFUL CHAPTERS

dzjinius at-hand

Utilities — User Manual

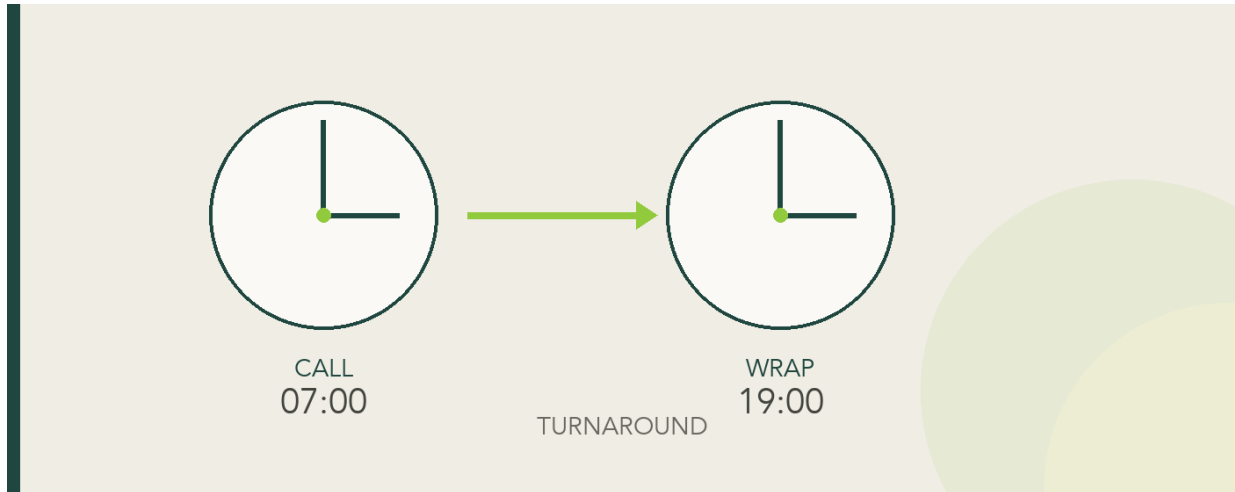
dzjinius at-hand — Natural Language Query Agent
Dzjinius Brand Edition · 17 Utilities



CONTENTS

- Chapter 01.** Call Time & Turnaround
- Chapter 02.** Currency Conversion
- Chapter 03.** Dictionary
- Chapter 04.** ISO 8601 Week Numbers
- Chapter 05.** NATO Phonetic Alphabet
- Chapter 06.** News
- Chapter 07.** Numerals (Roman & Words)
- Chapter 08.** Public Holidays
- Chapter 09.** Random Scene Picker
- Chapter 10.** Shoot Day Arithmetic
- Chapter 11.** Sun Position & Shadow Direction
- Chapter 12.** Sun Times — Sunrise / Sunset / Golden Hour
- Chapter 13.** Time Zones
- Chapter 14.** Travel Time
- Chapter 15.** Unit Conversions
- Chapter 16.** Weather
- Chapter 17.** Weather Risk for Shoot Days

Call Time & Turnaround



WHAT IT DOES

Quickly compute crew turnaround between wrap and the next call, or work out wrap time from a call time and a planned shoot length. Pure-JS arithmetic, no API call, instant answer.

HOW OFTEN YOU'LL USE IT

Daily — every shoot day

TRY ASKING

Q If wrap is 7pm and call is at 7am, what's the turnaround?

Turnaround: 12 h

Q Turnaround between wrap 22:00 and call 08:00

Turnaround: 10 h

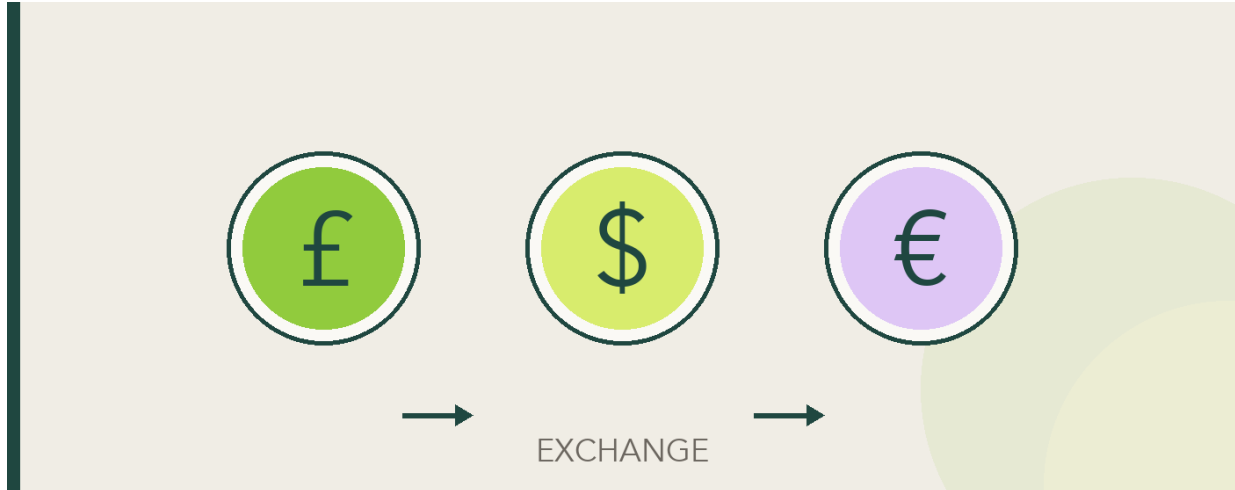
Q How many hours between 7am and 7pm?

Turnaround: 12 h

Q What time is wrap if call is 6am and we shoot 12 hours?

Wrap: 18:00 · Shoot day: 12 h

Currency Conversion



WHAT IT DOES

Converts between any two ISO 4217 currencies using ECB-published rates. Recognises symbols (£, \$, €, ¥), three-letter codes, and common names (dollars, pounds, euros, yen).

HOW OFTEN YOU'LL USE IT

Daily – used by accountants, producers, line managers

TRY ASKING

Q Convert £500 to EUR

500.00 GBP = 575.29 EUR
Rate: 1 GBP = 1.1506 EUR · 2026-04-15

Q How much is \$1,200 in pounds?

1,200.00 USD = 884.40 GBP
Rate: 1 USD = 0.7370 GBP · 2026-04-15

Q Exchange rate USD to GBP

1.00 USD = 0.74 GBP
Rate: 1 USD = 0.7370 GBP · 2026-04-15

Q Convert 100 euros to yen

100.00 EUR = 18,732.00 JPY

Rate: 1 EUR = 187.3200 JPY · 2026-04-15

Dictionary



WHAT IT DOES

Definitions, parts of speech, phonetic spelling and example sentences for any English word.

HOW OFTEN YOU'LL USE IT

Several times a week – script supervisors, fact-checkers, writers

TRY ASKING

Q Define diegetic

diegetic /ˌdaɪəˈdʒɛtɪk/

adjective

- Of or relating to diegesis.
- (of film music) That occurs as part of the action.

Q What does ephemeral mean?

ephemeral /əˈfɛ.mə.ɪəl/

adjective

- Lasting for a short period of time.

Q Meaning of bokeh

bokeh /ˈboʊ.kə/

noun

- A subjective aesthetic quality of out-of-focus areas of an image.

Q Spell foley

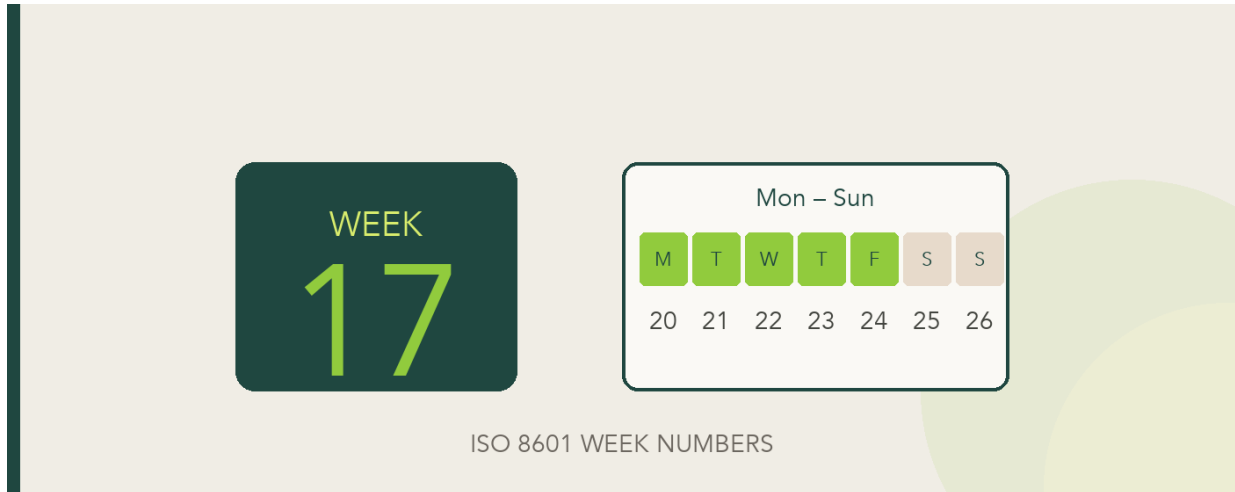
Spelling: F · O · L · E · Y

foley

noun

- Sound effects added in post-production to enhance audio quality.
-

ISO 8601 Week Numbers



WHAT IT DOES

ISO 8601 week number for any date (or today), plus the Mon–Sun range of that week. Handles year-end edge cases correctly per the standard.

HOW OFTEN YOU'LL USE IT

Weekly – production reports, scheduling sheets, finance

TRY ASKING

Q What week number is April 20?

Mon, 20 Apr 2026 ISO week 17 of 2026
Day of week: Monday (1 of 7)
Week range: Mon, 20 Apr 2026 – Sun, 26 Apr 2026

Q Week number for 2026-04-20

Mon, 20 Apr 2026 ISO week 17 of 2026
Week range: Mon, 20 Apr 2026 – Sun, 26 Apr 2026

Q What is the current week number?

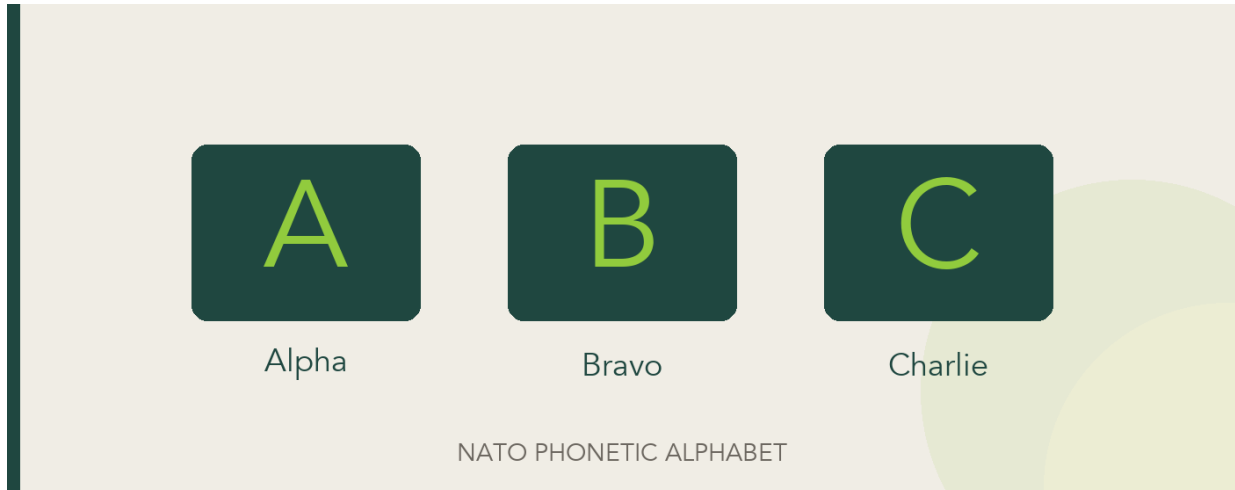
Wed, 15 Apr 2026 ISO week 16 of 2026
Week range: Mon, 13 Apr 2026 – Sun, 19 Apr 2026

Q Which week is December 31?

Thu, 31 Dec 2026 ISO week 53 of 2026

Week range: Mon, 28 Dec 2026 – Sun, 3 Jan 2027

NATO Phonetic Alphabet



WHAT IT DOES

Spells any word into the NATO phonetic alphabet (Alpha, Bravo, Charlie, ...). Digits become Zero, One, Two, ...

HOW OFTEN YOU'LL USE IT

Occasional — radio comms, spelling names on phone

TRY ASKING

Q Spell McQueen in NATO

McQueen
M = Mike
C = Charlie
Q = Quebec
U = Uniform
E = Echo
E = Echo
N = November

Q Spell BBC in NATO

BBC
B = Bravo
B = Bravo
C = Charlie

Q Phonetic alphabet for Hollyoaks

Hollyoaks

H = Hotel

O = Oscar

L = Lima

L = Lima

Y = Yankee

O = Oscar

A = Alpha

K = Kilo

S = Sierra

Q Phonetic for SOS

SOS

S = Sierra

O = Oscar

S = Sierra

News



WHAT IT DOES

Pulls the latest 10 headlines from The Guardian RSS feeds. Routes the question to the right section automatically: UK, World, Business, Technology, Culture, Sport, Politics, Science or Health.

HOW OFTEN YOU'LL USE IT

Daily – current-affairs research, soap topical references

TRY ASKING

Q Top news today

Top stories – The Guardian

- IMF downgrades UK growth forecast ...
- Westminster braces for spring budget ...
- Manchester floods leave thousands without power ...

Q UK news headlines

UK – The Guardian

- Bank of England signals rate cut for May ...
- New planning bill clears second reading ...

Q Entertainment news

Culture — The Guardian

- BAFTAs 2026 longlist revealed ...
- Hollyoaks marks 30th anniversary with feature-length episode ...

Q Latest sport headlines

Sport — The Guardian

- England prepare for Euros opener ...
 - Six Nations final round kicks off in Cardiff ...
-

Numerals (Roman & Words)



WHAT IT DOES

Bidirectional Roman Arabic conversion (1–3999), and number-to-words spelling for any integer.

HOW OFTEN YOU'LL USE IT

Occasional — title cards, episode numbering, copyright lines

TRY ASKING

Q Roman numeral for 2026

2026 = MMXXVI

Q Convert MMXXVI to a number

MMXXVI = 2026

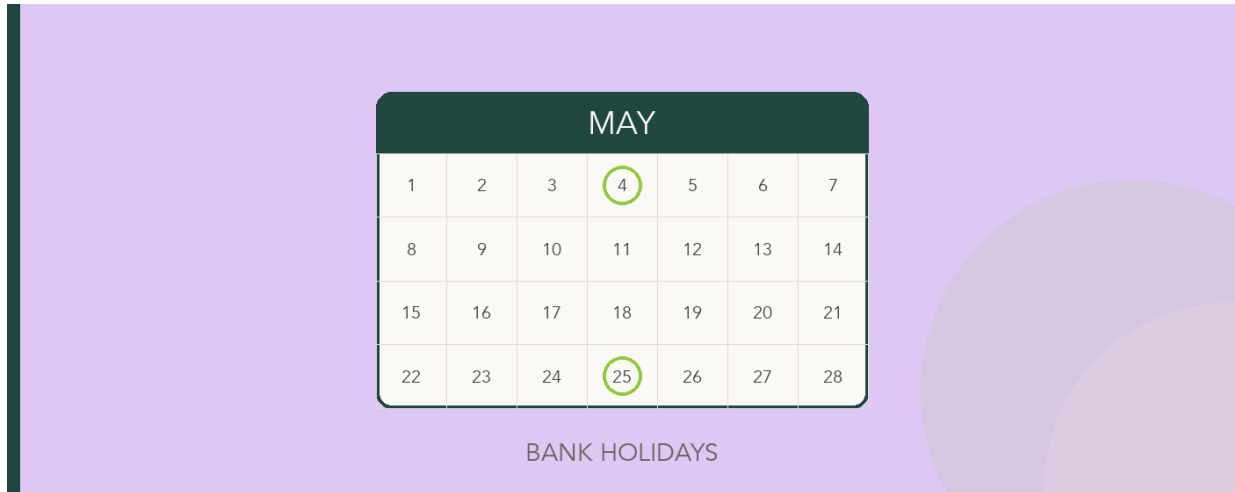
Q Spell out 1247

1,247 = one thousand two hundred and forty-seven

Q Write 42 in words

42 = forty-two

Public Holidays



WHAT IT DOES

Lists national public holidays for any country in any year, with optional month filter or 'next holidays' lookup. Covers 100+ countries with localised names.

HOW OFTEN YOU'LL USE IT

Weekly – schedule planning and international shoot coordination

TRY ASKING

Q Are there any UK bank holidays in May?

Public holidays in UK in May 2026
Mon, 4 May 2026 – Early May Bank Holiday
Mon, 25 May 2026 – Spring Bank Holiday

Q When is the next UK holiday?

Next public holidays in UK
Mon, 4 May 2026 – Early May Bank Holiday
Mon, 25 May 2026 – Spring Bank Holiday

Q Public holidays in Belgium this year

Public holidays in Belgium 2026
Thu, 1 Jan – Nieuwjaar (New Year's Day)
Mon, 6 Apr – Paasmaandag (Easter Monday)
...

Q Holidays in France in 2027

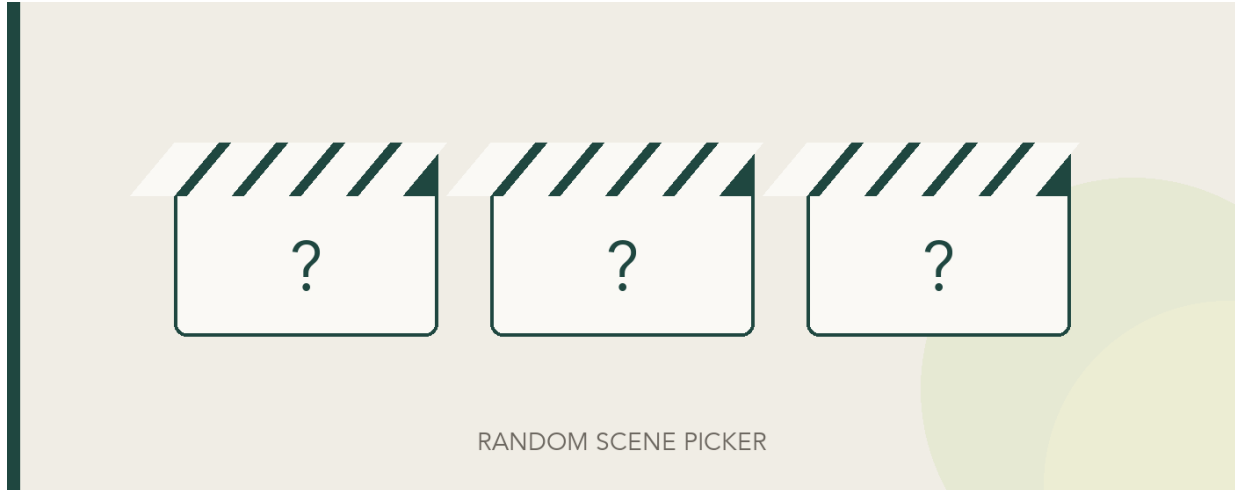
Public holidays in France 2027

Fri, 1 Jan — Jour de l'an (New Year's Day)

Mon, 5 Apr — Lundi de Pâques (Easter Monday)

...

Random Scene Picker



WHAT IT DOES

Picks one or more random scenes from the active production. Returns scene number, set name and synopsis. Useful for read-throughs and rehearsal warm-ups.

HOW OFTEN YOU'LL USE IT

Occasional — read-throughs, table reads, training

TRY ASKING

Q Pick a random scene

scene name: 6719.1A
set name: THE DOG FLAT - LIV-KIT
synopsis: Tony wanders around not sure what to do ...

Q Show me 3 random scenes

Three random scenes:

- 6737.17 — patio of The Dog
- 6708.17 — Keane kitchen, Beth & Jack
- 6724.19B — Keane living room, Beth searching for Charlie

Q Surprise me with a scene

scene name: 6731.5

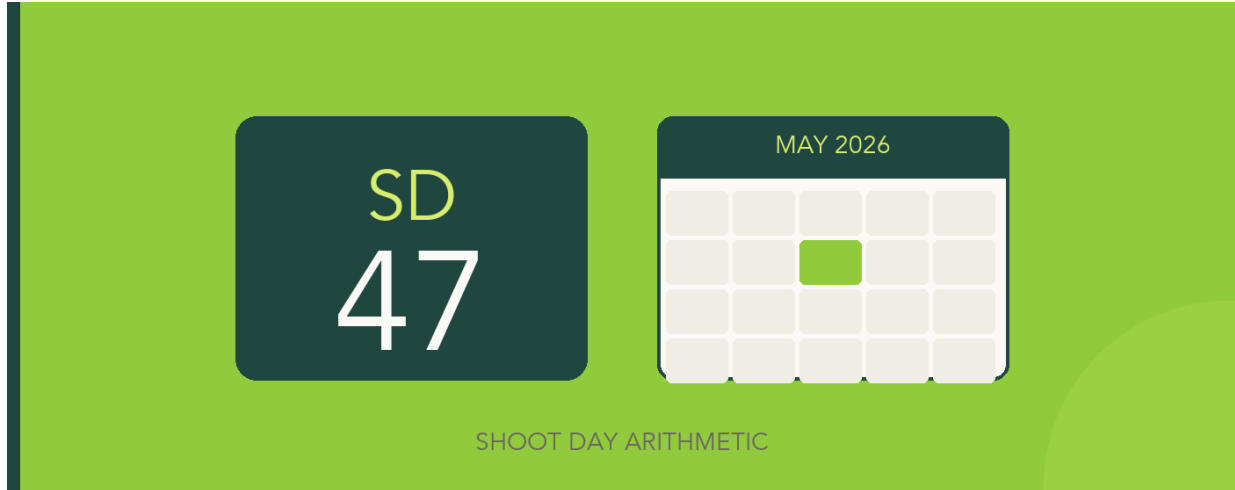
set name: VILLAGE STREET — EXT

synopsis: ...

Q Give me 5 random scenes

Five random scenes from across the season ...

Shoot Day Arithmetic



WHAT IT DOES

Computes the calendar date of any shoot day given Day 1, or the shoot-day number of any calendar date. Skips weekends by default; say 'including weekends' to count all days.

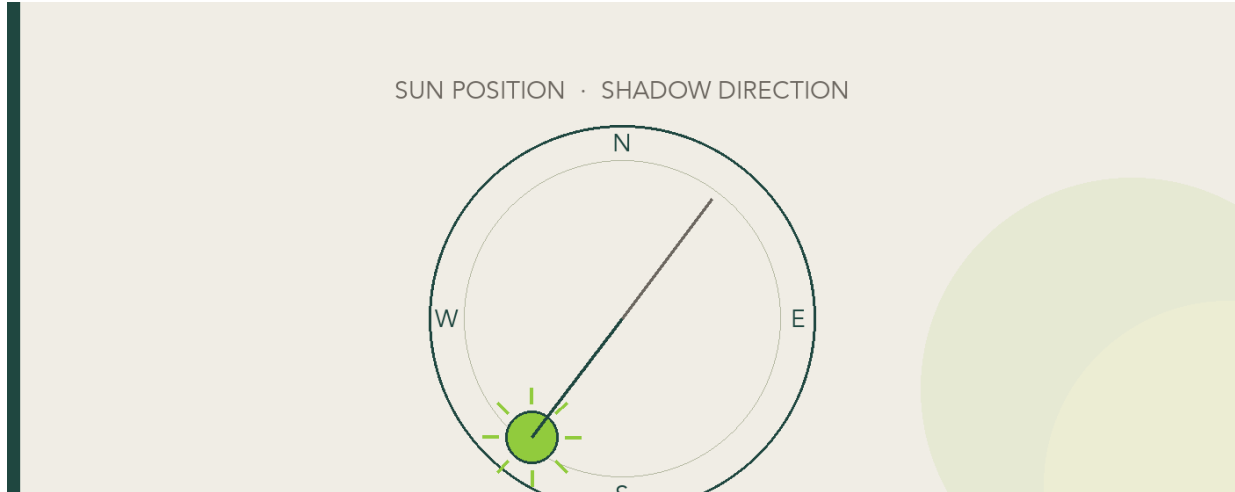
HOW OFTEN YOU'LL USE IT

Weekly – production scheduling, ADs, line producers

TRY ASKING

- Q What date is shoot day 47 if day 1 was March 3?**
Shoot day 47 = Wed, 6 May 2026 (Mon–Fri)
 - Q If day 1 is 2026-04-06, what date is shoot day 30?**
Shoot day 30 = Fri, 15 May 2026 (Mon–Fri)
 - Q How many shoot days from March 3 to April 20?**
35 shoot days from Tue, 3 Mar 2026 to Mon, 20 Apr 2026 (Mon–Fri)
 - Q Shoot day of April 15 if day 1 was March 3 including weekends**
Tue, 15 Apr 2026 = shoot day 44 (day 1 = Tue, 3 Mar 2026) (all days)
-

Sun Position & Shadow Direction



WHAT IT DOES

Returns the sun's altitude ($^{\circ}$) and azimuth (compass bearing) for any place at any time. Also computes the opposite shadow direction and notes whether the light is golden-hour, harsh top-light or below horizon.

HOW OFTEN YOU'LL USE IT

Daily – DOPs, ADs blocking exterior scenes

TRY ASKING

Q Where is the sun in London at 3pm?

Sun position at London, United Kingdom · Wed, 15 Apr 2026 15:00

Altitude: 48.2° above horizon

Azimuth: 179.6° (S)

Shadow points: 359.6° (N)

Q Sun position in Cardiff tomorrow at noon

Sun position at Cardiff, United Kingdom · Thu, 16 Apr 2026 12:00

Altitude: 33.0°

Azimuth: 118.8° (ESE)

Shadow points: 298.8° (WNW)

Q Shadow direction at Liverpool at 5pm on April 20

Sun position at Liverpool, United Kingdom · Mon, 20 Apr 2026 17:00

Altitude: 42.8°

Azimuth: 217.6° (SW)

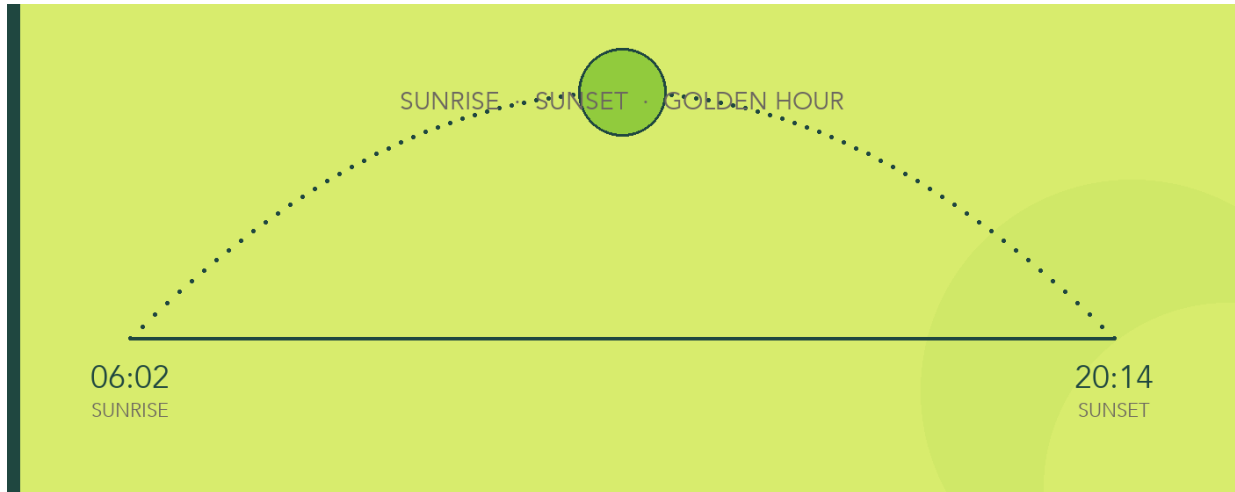
Shadow points: 37.6° (NE)

Q Where will the sun be at Brighton Beach at 7am tomorrow?

Sun position at Brighton, United Kingdom · Thu, 16 Apr 2026 07:00

Altitude: 12.7° above horizon — low sun, warm directional light.

Sun Times – Sunrise / Sunset / Golden Hour



WHAT IT DOES

Sunrise, sunset, civil twilight, plus morning/evening golden hour and blue hour windows for any place on any date.

HOW OFTEN YOU'LL USE IT

Daily – exterior scene scheduling, DOP/AD planning

TRY ASKING

Q When is sunrise in London?

Sun times for London, United Kingdom · Wed, 15 Apr 2026

Sunrise: 06:02

Day length: 13 h 56 min

Q Sunset in Cardiff tomorrow

Sun times for Cardiff, United Kingdom · Thu, 16 Apr 2026

Sunset: 20:12

Q Golden hour in Liverpool on April 20

Sun times for Liverpool, United Kingdom · Mon, 20 Apr 2026

Morning golden hour: 05:58 – 06:58

Evening golden hour: 19:23 – 20:23

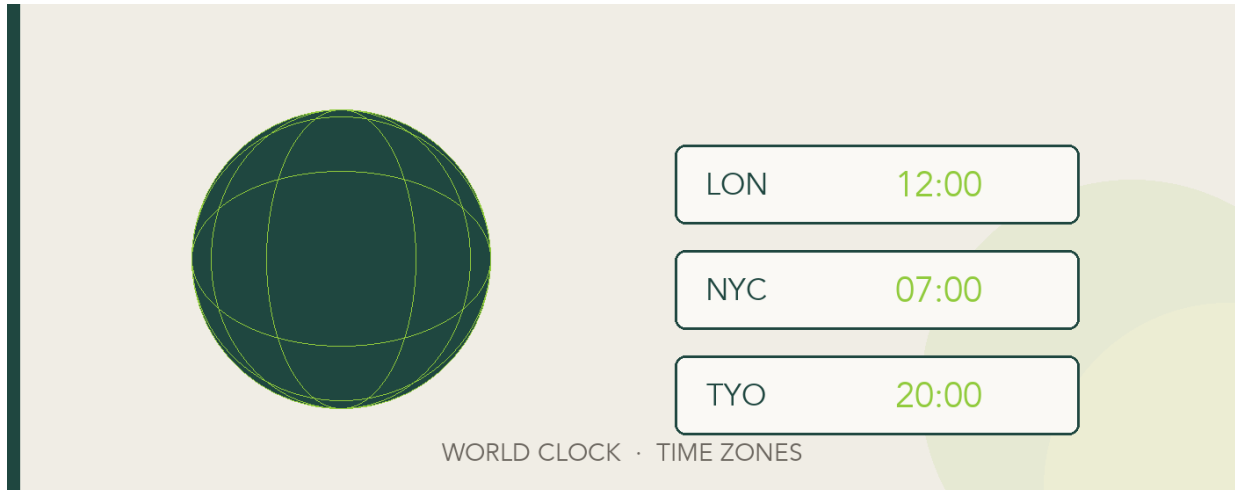
Q Blue hour at Crosby Beach tomorrow

Sun times for Crosby, United Kingdom · Thu, 16 Apr 2026

Morning blue hour: 05:32 – 06:02

Evening blue hour: 20:14 – 20:44

Time Zones



WHAT IT DOES

Current time in any city, or convert a specific time between two cities.

HOW OFTEN YOU'LL USE IT

Daily — coordinating across BBC London, ITV Manchester, LA, Sydney offices

TRY ASKING

Q What time is it in Los Angeles?

Los Angeles, United States: Wed, 15 Apr 2026, 00:40 GMT-7

Q Current time in Tokyo

Tokyo, Japan: Wed, 15 Apr 2026, 16:40 GMT+9

Q When is 10am London in NYC?

London, United Kingdom: Wed, 15 Apr 2026, 10:00 GMT+1

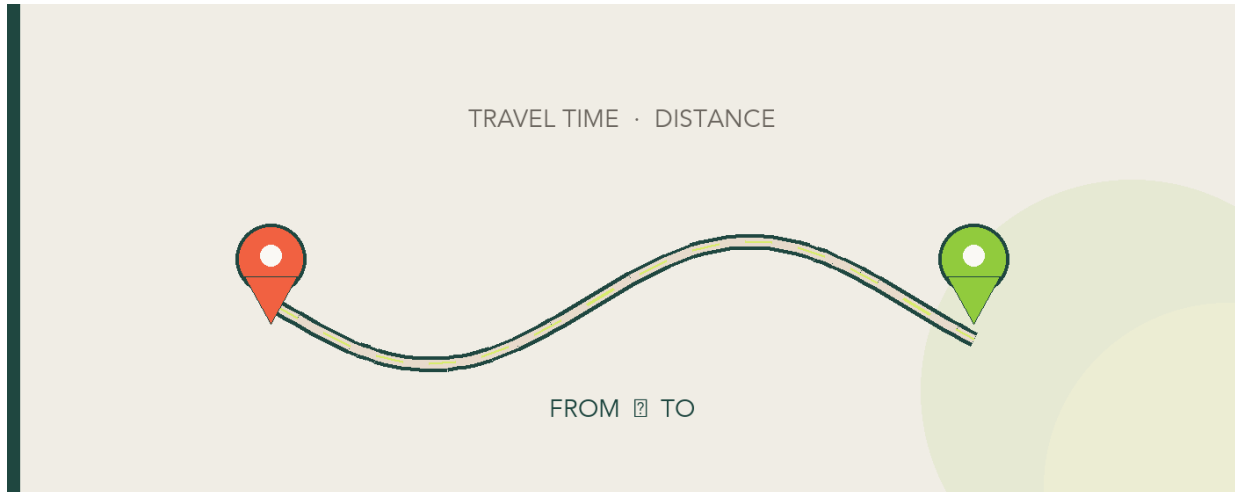
New York, United States: Wed, 15 Apr 2026, 05:00 GMT-4

Q Convert 14:30 Cardiff to Sydney

Cardiff, United Kingdom: Wed, 15 Apr 2026, 14:30 GMT+1

Sydney, Australia: Wed, 15 Apr 2026, 23:30 GMT+10

Travel Time



WHAT IT DOES

Driving time and distance between any two places, computed on the OSM road network. Useful for planning travel between sets, hotels and locations.

HOW OFTEN YOU'LL USE IT

Daily — transport managers, location scouts, runners

TRY ASKING

Q How long from Liverpool to Manchester?

Liverpool, UK Manchester, UK
Driving: 50 min · 56 km

Q Travel time from BBC Elstree to Cardiff

Elstree, UK Cardiff, UK
Driving: 3 h 24 min · 267 km

Q Distance between Sofia and Plovdiv

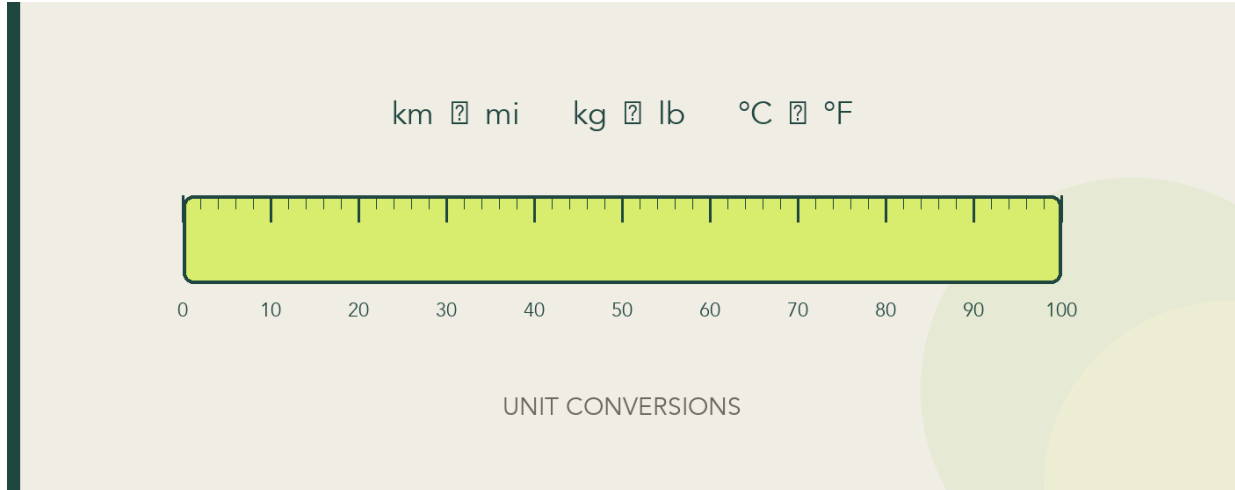
Sofia, Bulgaria Plovdiv, Bulgaria
Driving: 1 h 32 min · 144 km

Q Drive from Amsterdam to Brussels

Amsterdam, NL Brussels, BE

Driving: 2 h 44 min · 203 km

Unit Conversions



WHAT IT DOES

Converts length, mass, time, temperature and frame-rate quantities. Recognises symbols, abbreviations and full names; handles frame-count duration with a chosen fps.

HOW OFTEN YOU'LL USE IT

Daily – international crews, equipment specs, lens choices

TRY ASKING

Q Convert 100 km to miles

100 km = 62.1371 miles

Q How many feet is 35 mm?

35 mm = 0.114829 feet

Q What is 80 lb in kg?

80 lb = 36.2874 kg

Q Convert 100 F to C

100 F = 37.7778 C

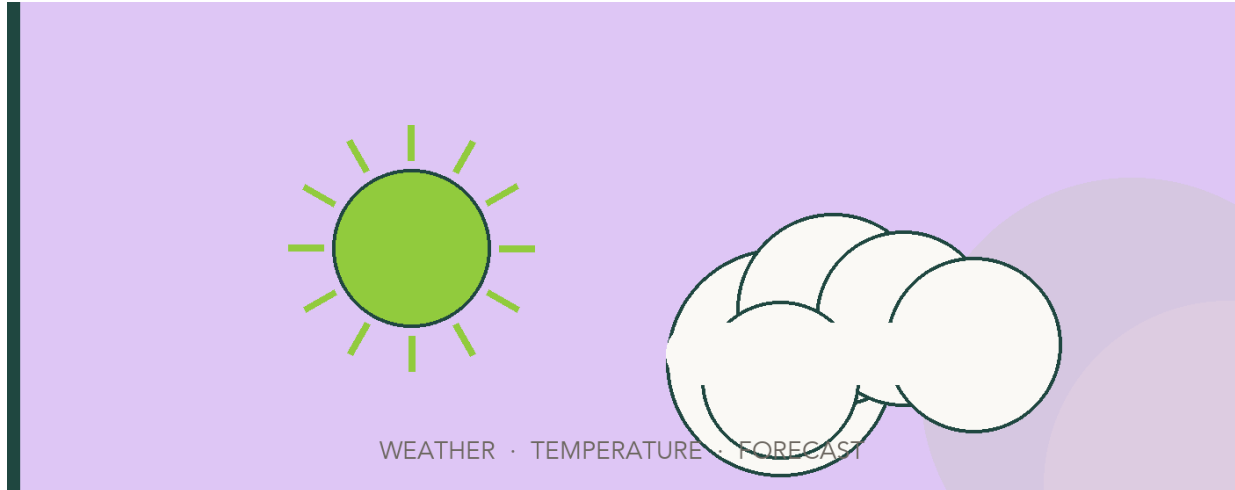
Q How many frames in 90 seconds at 25 fps?

90 seconds at 25 fps = 2,250 frames

Q Convert 5000 frames at 24 fps to seconds

5000 frames at 24 fps = 208.333 seconds

Weather



WHAT IT DOES

Current conditions and 7-day forecast for the user's location (auto-detected) or any named city. Handles ambiguous city names by asking 'In which country?', and remembers the resolved city for follow-up questions.

HOW OFTEN YOU'LL USE IT

Daily — exterior shoot prep, costume calls, transport

TRY ASKING

Q What's the weather in London?

Weather in London, England, United Kingdom
Partly cloudy · 14°C (feels 12°C)
Humidity: 64% · Wind: 14 km/h

Q What is the weather forecast for Cardiff next week?

Forecast for Cardiff, Wales, United Kingdom
Mon, 20 Apr: Light rain, 7–13°C · 1.4 mm rain
Tue, 21 Apr: Overcast, 8–14°C

...

Q Will it rain in Manchester tomorrow?

Forecast for Manchester, England, United Kingdom

Today: Drizzle, 11–15°C

Thu, 16 Apr: Light rain, 10–14°C · 1.6 mm rain

Q What's the weather?

Weather in Liverpool, England, United Kingdom

Overcast · 13°C (feels 11°C)

Humidity: 70% · Wind: 12 km/h

Weather Risk for Shoot Days



WHAT IT DOES

Cross-references the planned shoot days from the production database with the Open-Meteo precipitation, wind and severe-weather forecast. Flags days at risk of rain, gusts or thunder so ADs can plan covers.

HOW OFTEN YOU'LL USE IT

Weekly – proactive risk-flagging for outdoor shoots

TRY ASKING

Q Any weather risks this week?

Weather outlook for shoot days · Forecast based on Liverpool
Mon 13 Apr – 6728-6730 ELLIE BRENT: Overcast, 8–14°C
Wed 15 Apr – 6731-6733 ADE BEAN: Drizzle, 11–16°C rain (1.8 mm)
Fri 17 Apr – 6728-6730 ELLIE BRENT: Dense drizzle, 10–14°C heavy rain (5.6 mm)

Q Will it rain on any of next week's shoot days?

Weather outlook for shoot days · Liverpool
Tue 21 Apr – 6731-6733 ADE BEAN: Light rain, 7–13°C
Wed 22 Apr: Partly cloudy

Q Weather warnings for this week shoots

Same outlook with risk badges

Q Any weather alerts for the upcoming shoots?

Same outlook with risk badges
