Time Zone Converter

Convert fixed UTC offsets or date-aware IANA city zones. City mode uses the entered source date to apply daylight-saving rules, rejects skipped local times and asks you to choose between repeated autumn times.

Formula: fixed: target = source - from offset + to offset; city: match local date/time to an instant using IANA rules, then format in target zone

INPUTS AND EXAMPLE VALUES

Time-zone method: fixed; choices: fixed (Fixed UTC offsets), city (City zone and date (automatic DST))

Source time: 12:00

Source UTC offset hours: 0

Target UTC offset hours: 8

Source local date (city mode): 2026-01-15

Source city (IANA): America/New_York; choices: UTC (UTC), America/New_York (New York), America/Chicago (Chicago), America/Denver (Denver), America/Los_Angeles (Los Angeles), America/Phoenix (Phoenix), America/Anchorage (Anchorage), Pacific/Honolulu (Honolulu), America/Toronto (Toronto), America/Vancouver (Vancouver), America/Sao_Paulo (Sao Paulo), Europe/London (London), Europe/Paris (Paris), Europe/Berlin (Berlin), Asia/Shanghai (Shanghai), Asia/Hong_Kong (Hong Kong), Asia/Tokyo (Tokyo), Asia/Kolkata (Kolkata), Asia/Kathmandu (Kathmandu), Asia/Dubai (Dubai), Australia/Sydney (Sydney), Australia/Adelaide (Adelaide), Australia/Lord_Howe (Lord Howe Island), Pacific/Auckland (Auckland), Pacific/Apia (Apia), Africa/Johannesburg (Johannesburg)

Target city (IANA): Europe/London; choices: UTC (UTC), America/New_York (New York), America/Chicago (Chicago), America/Denver (Denver), America/Los_Angeles (Los Angeles), America/Phoenix (Phoenix), America/Anchorage (Anchorage), Pacific/Honolulu (Honolulu), America/Toronto (Toronto), America/Vancouver (Vancouver), America/Sao_Paulo (Sao Paulo), Europe/London (London), Europe/Paris (Paris), Europe/Berlin (Berlin), Asia/Shanghai (Shanghai), Asia/Hong_Kong (Hong Kong), Asia/Tokyo (Tokyo), Asia/Kolkata (Kolkata), Asia/Kathmandu (Kathmandu), Asia/Dubai (Dubai), Australia/Sydney (Sydney), Australia/Adelaide (Adelaide), Australia/Lord_Howe (Lord Howe Island), Pacific/Auckland (Auckland), Pacific/Apia (Apia), Africa/Johannesburg (Johannesburg)

Repeated local time during autumn clock change: reject; choices: reject (Ask for an explicit occurrence), earlier (Earlier occurrence), later (Later occurrence)

CHECK THE DEFAULT EXAMPLE

Target time (fixed UTC offset): 20:00

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Day offset: 0

LIMITS AND CONVENTIONS

Fixed mode keeps offsets from -12 to +14 with whole-minute precision. City mode uses dates from 1970 through 9999 and the browser or server IANA database; future policy changes require an updated runtime.

A missing spring time or skipped date is rejected even when an earlier/later option is selected. That option only resolves actual repeated times; clock output may include historical offset seconds.

METHOD AND SOURCES

https://azhanmh.com/guides/tools/time-zone-converter

IANA - Time Zone Database: https://www.iana.org/time-zones

MDN - Date.UTC and calendar-date construction: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/UTC

Display precision is for reporting; keep unrounded values for later calculations. Verify units and conventions. This reference does not replace institution, employer or network rules.