

bcp-47-normalize

 [main](#) [no status](#)

Normalize, canonicalize, and format [BCP 47](#) tags.

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What is this?

This package takes BCP 47 tags and makes them uniform. It removes unneeded info (en-us -> en) and replaces deprecated, overlong, and otherwise unpreferred values with preferred values (en-bu -> en-MM). It works by applying [Unicode CLDR suggestions](#).

When should I use this?

You can use this package when dealing with user-provided language tags and want to normalize and clean them.

Install

This package is [ESM only](#). In Node.js (version 14.14+, 16.0+), install with [npm](#):

```
npm install bcp-47-normalize
```

In Deno with [esm.sh](#):

```
import {bcp47Normalize} from 'https://esm.sh/bcp-47-normalize@2'
```

In browsers with [esm.sh](#):

License

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Security

This package is safe.

Related

- [woorm/bcp-47](#) — parse and stringify BCP 47 language tags
- [woorm/bcp-47-match](#) — match BCP 47 language tags with language ranges per RFC 4647
- [woorm/iso-3166](#) — ISO 3166 codes
- [woorm/iso-639-2](#) — ISO 639-2 codes
- [woorm/iso-639-3](#) — ISO 639-3 codes
- [woorm/iso-15924](#) — ISO 15924 codes
- [woorm/un-m49](#) — UN M49 codes

Contribute

Yes please! See [How to Contribute to Open Source](#).

```
<script type="module">
  import {bcp47Normalize} from 'https://
    esm.sh/bcp-47-normalize@2?
    bundle'
</script>
```

Use

```
import {bcp47Normalize} from 'bcp-47-
  normalize'

const tags = [
  'de-de-1901',
  'en-gb',
  'en-us',
  'en-bu',
  'hy-arevmda',
  'nld-nl',
  'no-nyn',
  'pt-br',
  'pt-pt',
  'zh-hans-cn'
]

tags.forEach((tag) =>
  console.log('%s -> %s', tag,
    bcp47Normalize(tag)))
```

Yields:

- tag (string) — BCP 47 tag
- options.forging (boolean, default: false) — passed to bcp-47 as [options.forging](#)

Parameters

[suggestions](#).

Normalize the given BCP 47 tag according to [Unicode CLDR](#)

bcp47Normalize(tag[, options])

This package exports the identifier bcp47Normalize. There is no default export.

API

```
de-de-1901 -> de-1901
en-gb -> en-GB
en-us -> en
en-bu -> en-MM
hy-arevmda -> hyw
nld-nl -> nl
no-nyn -> nn
pt-br -> pt
pt-pt -> pt-PT
zh-hans-cn -> zh
```

This package is at least compatible with all maintained versions of Node.js. As of now, that is Node.js 14.14+ and 16.0+. It also works in Deno and modern browsers.

Compatibility

This package is fully typed with [TypeScript](#). It exports the additional types Options and Warning.

Types

Normal, canonical, and pretty [BCP 47](#) tag (string).

Returns

This warning is only given if the region cannot be automatically fixed (when regions split into multiple regions).

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Deprecated region CURRENT, expected one of SUGGESTIONS

code reason

- options.warning (Function?, default: undefined) — passed to bcp-47 as [options.warning](#)
One additional warning is given: