# Localization

Localization (also referred to as "l10n") is the process of adapting a product or content to a specific locale or market.

The default locale of MUI is English (United States). If you want to use other locales, follow the instructions below.

## Locale text

Use the theme to configure the locale text globally:

```
import { createTheme, ThemeProvider } from '@mui/material/styles';
import { zhCN } from '@mui/material/locale';

const theme = createTheme(
  {
    palette: {
      primary: { main: '#1976d2' },
    },
  },
  zhCN,
);

<ThemeProvider theme={theme}>
  <App />
</ThemeProvider>;
```

### Example

{{"demo": "Locales.js"}}

> ⚠️ *For* `DataGrid` *and* `DataGridPro` *components, they have their own* *localization.*

### Supported locales

| Locale | BCP 47 language tag | Import name |
|---|---|---|
| Amharic | am-ET | amET |
| Arabic (Egypt) | ar-EG | arEG |
| Arabic (Sudan) | ar-SD | arSD |
| Armenian | hy-AM | hyAM |
| Azerbaijani | az-AZ | azAZ |
| Bangla | bn-BD | bnBD |
| Bulgarian | bg-BG | bgBG |
| Catalan | ca-ES | caES |
| Chinese (Hong Kong) | zh-HK | zhHK |
| Chinese (Simplified) | zh-CN | |

| | | |
|---|---|---|
| | | `zhCN` |
| Chinese (Taiwan) | zh-TW | `zhTW` |
| Croatian | hr-HR | `hrHR` |
| Czech | cs-CZ | `csCZ` |
| Danish | da-DK | `daDK` |
| Dutch | nl-NL | `nlNL` |
| English (United States) | en-US | `enUS` |
| Estonian | et-EE | `etEE` |
| Finnish | fi-FI | `fiFI` |
| French | fr-FR | `frFR` |
| German | de-DE | `deDE` |
| Greek | el-GR | `elGR` |
| Hebrew | he-IL | `heIL` |
| Hindi | hi-IN | `hiIN` |
| Hungarian | hu-HU | `huHU` |
| Icelandic | is-IS | `isIS` |
| Indonesian | id-ID | `idID` |
| Italian | it-IT | `itIT` |
| Japanese | ja-JP | `jaJP` |
| Khmer | kh-KH | `khKH` |
| Kazakh | kz-KZ | `kzKZ` |
| Korean | ko-KR | `koKR` |
| Macedonian | mk-MK | `mkMK` |
| Norwegian (bokmål) | nb-NO | `nbNO` |
| Persian | fa-IR | `faIR` |
| Polish | pl-PL | `plPL` |
| Portuguese | pt-PT | `ptPT` |
| Portuguese (Brazil) | pt-BR | `ptBR` |
| Romanian | ro-RO | `roRO` |
| Russian | ru-RU | `ruRU` |
| Serbian | sr-RS | `srRS` |

| Sinhalese | si-LK | `siLK` |
|-----------|-------|--------|
| Slovak | sk-SK | `skSK` |
| Spanish | es-ES | `esES` |
| Swedish | sv-SE | `svSE` |
| Thai | th-TH | `thTH` |
| Turkish | tr-TR | `trTR` |
| Ukrainian | uk-UA | `ukUA` |
| Vietnamese | vi-VN | `viVN` |

You can find the source in the GitHub repository.

To create your own translation, or to customize the English text, copy this file to your project, make any changes needed and import the locale from there.

Please do consider contributing new translations back to MUI by opening a pull request. However, MUI aims to support the 100 most common locales, we might not accept contributions for locales that are not frequently used, for instance `gl-ES` that has "only" 2.5 million native speakers.

## RTL Support

Right-to-left languages such as Arabic, Persian, or Hebrew are supported. Follow this guide to use them.