### 118n & 110n

### Numeronims



#### World Wide Web Consortium

accessibility

### accessibility

1 2 3 4 5 6 7 8 9 10 11

### Eyjafjallajökull



### 118n & 110n

# internationalisation

#### localisation

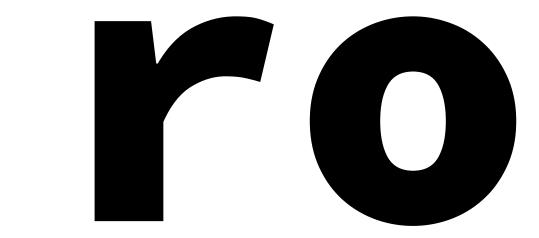
#### internationalisation

the process of designing a software application so that it can be adapted to various languages and regions without engineering changes

#### localisation

the process of adapting internationalized software for a specific region or language by translating text and adding locale-specific components

# Locales



locale short form (Language only)

locale long form (Language - Region)

### en-US en-GB

locale long form (Language - Region)

en-US color en-GB colour

locale long form (Language - Region)

## sr-latn-RS sr-cyrl-RS

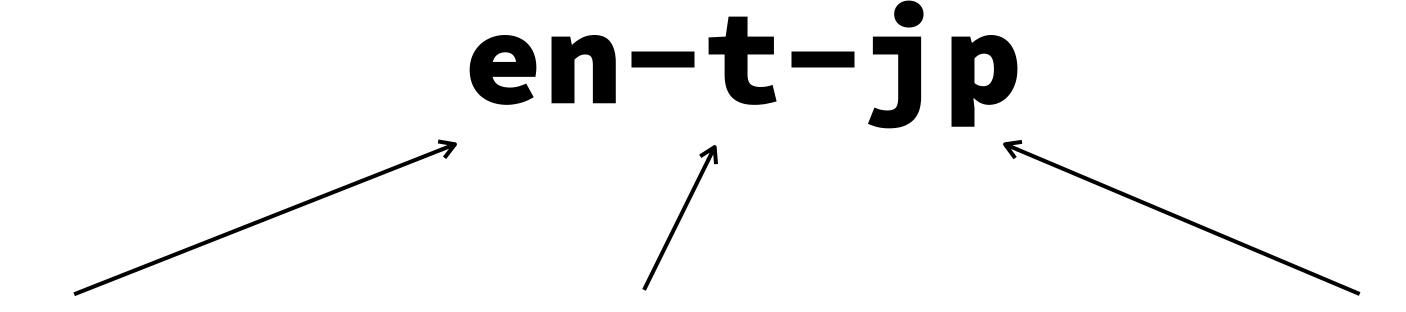
locale long form (Language - Script - Region)

#### sr-latn-RS sr-cyrl-RS

#### Extensions

Transformed Content

Unicode Locale



English content translated from the original Japanese

**Extension T (Transformed Content)** 

#### he-IL-u-nu-latn-ca-hebrew-tz-jeruslm

Hebrew language as spoken in Israel, using Basic Latin numerals (0 through 9), the traditional Hebrew calendar, and in the "Asia/Jerusalem" time zone

**Extension U (Unicode Locale)** 



IETF BCP 47 Language Tag

Internet Engineering Task Force
Best Current Practices

Java Locale

#### // get user Locale ?

#### navigator.languages

#### on native apps, you get the OS language(s)



## Translations

### il 18 next

JavaScript internationalization framework

pluralisation

# 1 fruit2 fruits

# 1 fruit 0, 2+ fruits

# 1 fruct2 fructe20 de fructe

# 1 fruct 0, 2-19 fructe 20+ de fructe

zero one two few many other

Plural Rules

```
key_0 -> zero
key_1 -> one
key_2 -> two
key_3 -> few
key_4 -> many
key_5 -> other
```

i18next Plural Rules

# Date/Time

Moment.js

date-fns

Day.js

# 

**ECMAScript Internationalization API** 

## Intl.DateTimeFormat()

# Numbers

Arabic

1 2 3 4 5 6 7 8 9

Cyrilic

А В Г Д Е S 3 И Ө

Numeral system !== Alphabet

sr-latn-RS

20 - dvadeset

sr-cyrl-RS

20 - двадесет

Numeral system !== Alphabet

## Intl.NumberFormat()

Decimals, Currencies, Percents, Units

#### **Browsers**

### Node.js

#### **React Native**





v13+ built-in



Intl support

# RTL, Address, Phone numbers, Calendar Icons / Symbols, Colors

## THANK YOU

#### new Intl

## p11n

twenty двадесет

עשרים סוט סוט

### Locales

ro en-GB sr-cyrl-RS

he-IL-u-nu-latn-ca-hebrew-tz-jeruslm