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# **emoji-unicode Documentation**

***Release 0.1***

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## API Reference

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If you are looking for information on a specific function, class or method, this part of the documentation is for you.

### 1.1 API

#### 1.1.1 Helpers

`emoji_unicode.replace(txt, callback)`  
Replace all unicode emojis in a given text

**Parameters**

- **txt** (*str*) – Text source to be parsed
- **callback** (*callable*) – A callable that should accept a instance of *Emoji* and return a str to replace the match

**Returns** Parsed text with all the emojis replaced by the callback result

**Return type** str

`emoji_unicode.normalize(code_points, separator=u'-')`  
Normalize a code point removing joiner characters such as emoji variations, Zero Width Joiner and leading zeros

**Parameters**

- **code\_points** (*str*) – code points separated by an hyphen or the separator param value
- **separator** (*str*) – The separator used to split the code points, process them and merge them back

**Returns** Code points with no joiner chars, leading zeros, and lower cased.

**Return type** str

#### 1.1.2 Emoji Object

`class emoji_unicode.Emoji(unicode)`  
Emoji is used in the process of *replace()* unicode emojis in a text

**Parameters** **unicode** (*str*) – Unicode emoji

**as\_map()**

A map containing the individual unicode chars and code points. The code points are normalized as by `normalize()`

**Returns** Sequence of tuples of the form [(unicode, code\_point)]

**Return type** list

**code\_points**

Code points representing the unicode emoji, the result is normalized as by `normalize()`

**Getter** Code points representing the emoji, with no joiner chars and lower cased, ie: 1f3c3-1f3fc

**Type** str

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## Additional Notes

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Design notes, legal information and changelog are here for the interested.

## 2.1 Python 2 Support

Python 2 is by default build with *narrow* unicode characters support, this means it does not support unicode code points above 0xffff which most emojis are. Python +3.3 does not suffer from this.

### 2.1.1 Requirements

To support *wide unicode characters*, python 2.7 must be build from source with `--enable-unicode=ucs4` flag.

To find if python 2 has support for *wide* unicode characters, run:

```
$ python
>>> import sys
>>> 'Is this a wide-build? {}'.format(sys.maxunicode > 65536)
```

## 2.2 Changelog

### 2.2.1 0.2

- Adds `Emoji.as_map()` function.

### 2.2.2 0.1

- Initial release

## 2.3 License

The MIT License (MIT)

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