

# Package: threewords (via r-universe)

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**Type** Package

**Title** Represent Precise Coordinates in Three Words

**Version** 0.1.0

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**Description** A connector to the 'What3Words' (<http://what3words.com/>) service, which represents each 3m by 3m square on earth with a unique trio of English-language words.

**License** MIT + file LICENSE

**LazyData** TRUE

**Imports** httr

**Suggests** testthat

**NeedsCompilation** no

**Repository** CRAN

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from_position	<i>Resolve a Position to Three Identifying Words</i>
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**Description**

from\_position takes latitude/longitude pair (or sequence of them) and resolves them to a word cluster used by what3words.

**Usage**

```
from_position(key, positions, ...)
```

**Arguments**

key	an API key obtained from <a href="#">what3words</a> .
positions	either a vector containing a single latitude/longitude pair, or a <i>list</i> of vectors for vectorised operations.
...	further arguments to pass to httr's GET.

**Value**

A list containing the words, positions and language of those words.

**See Also**

[from\\_position](#) for the opposite operation.

**Examples**

```
## Not run:  
# Ask for a single set of words from the what3words API (note: this requires an API key.  
# Don't actually use 'ANAPIKEY'.)  
results <- from_position(key = "ANAPIKEY", positions = c(6.385336,-36.293769))  
  
## End(Not run)
```

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from_words	<i>Resolve Three Identifying Words to a Position</i>
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**Description**

from\_words takes a word cluster used by what3words and converts them back into latitude/longitude pairs.

**Usage**

```
from_words(key, words, ...)
```

**Arguments**

key	an API key obtained from <a href="#">what3words</a> .
words	either a vector of words, for a single latitude/longitude pair, or a <i>list</i> of vectors for vectorised operations.
...	further arguments to pass to httr's GET.

**Value**

A list containing the words, positions and language of those words.

**See Also**

[from\\_position](#) for the opposite operation.

**Examples**

```
## Not run:  
# Ask for a single lat/long pair from the what3words API (note: this requires an API key.  
# Don't actually use 'ANAPIKEY'.)  
results <- from_words(key = "ANAPIKEY", words = c("turnip","basil","fruit"))  
  
## End(Not run)
```

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threewords

*Represent Precise Coordinates as Three Words*

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**Description**

This package provides a connector to [What3Words](#), a database that represents 3mx3m geographic areas as unique chains of 3 words

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