

# Package ‘pluscode’

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**Type** Package

**Title** Encoder for Google 'Pluscodes'

**Version** 0.1.0

**Author** Michael Doyle

**Maintainer** Michael Doyle <michaeledoyle7@gmail.com>

**Description** Retrieves a 'pluscode' by inputting latitude and longitude. Includes additional functions to retrieve neighbouring 'pluscodes'.

**License** GPL-2

**LazyData** FALSE

**Imports** httr, jsonlite

**RoxygenNote** 5.0.1

**NeedsCompilation** no

**Repository** CRAN

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pluscode\_eastneighbour

*Pluscode East Neighbour*

---

### Description

This package retrieves the easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

### Usage

```
pluscode_eastneighbour(pluscode)
```

### Arguments

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
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### Examples

```
pluscode_eastneighbour("9C4MGC2M+H4")
```

---

pluscode\_encode

*Pluscode Encoder*

---

### Description

This package retrieves a pluscode by inputting latitude and longitude

### Usage

```
pluscode_encode(lats, lngs, precision)
```

### Arguments

lats	A valid latitude within the range -90 to 90
lngs	A valid longitude within the range -180 to 180
precision	Options are 2, 4, 8, or 10

### Examples

```
pluscode_encode(52.501450, -6.567180, 8)
```

---

pluscode\_neighbours    *Pluscode Neighbours*

---

**Description**

This function retrieves the neighbouring pluscodes of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

```
pluscode_neighbours(pluscode)
```

**Arguments**

pluscode            A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

**Examples**

```
pluscode_neighbours("9C4MGC2M+H4")
```

---

pluscode\_northeastneighbour  
                          *Pluscode Northeast Neighbour*

---

**Description**

This package retrieves the north-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

```
pluscode_northeastneighbour(pluscode)
```

**Arguments**

pluscode            A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)

**Examples**

```
pluscode_northeastneighbour("9C4MGC2M+H4")
```

pluscode\_northneighbour

*Pluscode North Neighbour*

---

### Description

This package retrieves the northerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

### Usage

```
pluscode_northneighbour(pluscode)
```

### Arguments

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

### Examples

```
pluscode_northneighbour("9C4MGC2M+H4")
```

---

pluscode\_northwestneighbour

*Pluscode Northwest Neighbour*

---

### Description

This package retrieves the north-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

### Usage

```
pluscode_northwestneighbour(pluscode)
```

### Arguments

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

### Examples

```
pluscode_northwestneighbour("9C4MGC2M+H4")
```

---

pluscode\_southeastneighbour  
*Pluscode Southeast Neighbour*

---

### Description

This package retrieves the south-easterly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

### Usage

```
pluscode_southeastneighbour(pluscode)
```

### Arguments

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

### Examples

```
pluscode_southeastneighbour("9C4MGC2M+H4")
```

---

pluscode\_southneighbour  
*Pluscode South Neighbour*

---

### Description

This package retrieves the southerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

### Usage

```
pluscode_southneighbour(pluscode)
```

### Arguments

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

### Examples

```
pluscode_southneighbour("9C4MGC2M+H4")
```

pluscode\_southwestneighbour  
*Pluscode Southwest Neighbour*

---

**Description**

This package retrieves the south-westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

```
pluscode_southwestneighbour(pluscode)
```

**Arguments**

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

**Examples**

```
pluscode_southwestneighbour("9C4MGC2M+H4")
```

---

pluscode\_westneighbour  
*Pluscode West Neighbour*

---

**Description**

This package retrieves the westerly neighbour of a valid pluscode, with a precision of 2, 4, 8, or 10 excluding the plus sign (which can be included)

**Usage**

```
pluscode_westneighbour(pluscode)
```

**Arguments**

pluscode	A valid pluscode 2, 4, 8, or 10 characters in length excluding the plus sign (which can be included)
----------	--

**Examples**

```
pluscode_westneighbour("9C4MGC2M+H4")
```

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