

# Package ‘arabic2kansuji’

May 7, 2026

**Type** Package

**Title** Convert Arabic Numerals to Kansuji

**Version** 0.1.3

**Description** Simple functions to convert given Arabic numerals to Kansuji numerical figures that represent numbers written in Chinese characters.

**License** MIT + file LICENSE

**URL** <https://github.com/indenkun/arabic2kansuji>

**BugReports** <https://github.com/indenkun/arabic2kansuji/issues>

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Imports** purrr, stringr, stats

**Language** en-US

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2022-10-13 03:42:34 UTC

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## Description

Converts a given Arabic numerals to Kansuji numerical figures that written in Chinese characters (in other words, Chinese numeral). `arabic2kansuji()` function can also convert Arabic numerals in the string to kansuji. `arabic2kansuji_num()` function can convert a vector of only one Arabic numerals to Kansuji. Use `arabic2kansuji_all()` can calculate and convert Arabic numerals to Kansuji while retaining the original non-Arabic numeral string.

## Usage

```
arabic2kansuji(str, zero = c("rei", "zero"), width = c("half", "full", "all"))
```

```
arabic2kansuji_num(
  num,
  add.one_thousand = TRUE,
  add.one_thousand.all = FALSE,
  ...
)
```

```
arabic2kansuji_all(
  str,
  widths = c("half", "all"),
  add.one_thousand = TRUE,
  add.one_thousand.all = FALSE,
  ...
)
```

## Arguments

<code>str</code>	Input vector.
<code>zero</code>	Selects whether 0 should be zero like o ("rei") or zero like have rain crown ("zero") when Arabic numerals are converted to kansuji.
<code>width</code>	Selects whether you want to convert Arabic numbers, only half-width numbers ("half") or only full-width numbers ("full") or both half-width and full-width numbers ("all") when converting Arabic numbers to kansuji.
<code>num</code>	Input only number. Accept more than one number.
<code>add.one_thousand</code>	a logical whether or not 1 should be displayed as a Kansuji numeral when the thousandth digit is 1.
<code>add.one_thousand.all</code>	Specifies whether or not to display the Kansuji numeral 1 when the number is 1,000. This is valid only when <code>add.one_thousand</code> is TRUE.

... Other arguments to carry over to 'arabic2kansuji()'.  
widths Selects whether you want to convert Arabic numbers, only half-width numbers ("half") or both half-width and full-width numbers ("all") when converting Arabic numbers to Kansuji.

**Value**

a character.

**Examples**

```
arabic2kansuji(2020)
arabic2kansuji(2020, zero = "zero")
arabic2kansuji(c(2019, 2020, 2021))
arabic2kansuji_num(2020)
arabic2kansuji_num((c(2019, 2020, 2021)))
arabic2kansuji_all("This year is 2020, next year is 2021.")
```

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