

Spanish NIE

NIE for foreigners — X/Y/Z + 7 digits + check letter.

```
^[XYZ]\d{7}[A-Z]$
```

Token-by-token breakdown

Token	Meaning
^	start of string (or line in multiline mode)
[XYZ]	any of: "X", "Y", "Z"
\d{7}	exactly 7 times: digit (0–9)
[A-Z]	any of: uppercase letters
\$	end of string (or line in multiline mode)

Quick usage in 7 languages

JavaScript	<pre>const re = /^[XYZ]\d{7}[A-Z]\$/; re.test(value);</pre>
Python	<pre>import re re.match(r"^[XYZ]\d{7}[A-Z]\$", value)</pre>
Java	<pre>Pattern.compile("^[XYZ]\\d{7}[A-Z]\$").matcher(value).matches();</pre>
C# / .NET	<pre>Regex.IsMatch(value, @"^[XYZ]\d{7}[A-Z]\$");</pre>
Go	<pre>regexp.MustCompile(`^[XYZ]\d{7}[A-Z]\$`).MatchString(value)</pre>
Ruby	<pre>/^[XYZ]\d{7}[A-Z]\$/ .match?(value)</pre>
PHP	<pre>preg_match('~^[XYZ]\d{7}[A-Z]\$~', \$value);</pre>

Common pitfalls

- **Anchored to the whole string.** This pattern uses ^ and \$, so it requires the entire input to match. To find it inside a longer text, drop the anchors and use the global (g) flag.
- **Uppercase only.** Ranges like [A-Z] won't match lowercase. Add a-z (or the i flag) if lowercase input should be accepted.
- **Escape it correctly per language.** In Java and JavaScript strings each backslash must be doubled (\\d); in Python, Go, and C# use raw/verbatim strings so the backslashes survive.
- **Validate beyond format.** Matching the format doesn't guarantee the value is real. Confirm the spanish nie against a source of truth (database, API, or checksum) where it matters.