Given a string date representing a [Gregorian calendar](https://en.wikipedia.org/wiki/Gregorian_calendar) date formatted as YYYY-MM-DD, return the day number of the year.

**Example 1:**

**Input:** date = "2019-01-09"

**Output:** 9

**Explanation:** Given date is the 9th day of the year in 2019.

**Example 2:**

**Input:** date = "2019-02-10"

**Output:** 41

**Example 3:**

**Input:** date = "2003-03-01"

**Output:** 60

**Example 4:**

**Input:** date = "2004-03-01"

**Output:** 61

**Constraints:**

* date.length == 10
* date[4] == date[7] == '-', and all other date[i]'s are digits
* date represents a calendar date between Jan 1st, 1900 and Dec 31, 2019.