

# How can I convert a string to a date in VBA, and can you provide some examples?

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## RECOMMENDED CITATION

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To convert a string to a date in VBA, the CDate function can be used. This function allows for the conversion of a string to a date format, based on the system's regional settings. Some examples of using the CDate function are as follows:

1. Converting a string in the format of "MM/DD/YYYY" to a date:  
CDate("01/01/2020") will return the date value of January 1, 2020.
2. Converting a string in the format of "DD-MMM-YYYY" to a date:  
CDate("12-Jun-2019") will return the date value of June 12, 2019.
3. Converting a string in the format of "YYYY-MM-DD" to a date:  
CDate("2020-05-06") will return the date value of May 6, 2020.

It is important to note that the CDate function may not work for all date formats. In these cases, the use of the DateValue or the Format function may be necessary.

## Convert String to Date in VBA (With Examples)

You can use the CDate function in VBA to convert a text string to a date.

Here are two common ways to use this function in practice:

### Method 1: Convert String to Date Using Default Format (MM/DD/YYYY)

```
Sub ConvertStringToDate()
```

```
Dim i As Integer
```

```
For i = 2 To 8
```

```
Range("B" & i) = CDate(Range("A" & i))
```

```
Next i
```

```
End Sub
```

This particular macro will convert each string in the range A2:A8 to a date with the default date format of MM/DD/YYYY.

For example, a text string of 2023-04-15 will be converted to a date of 04/15/2023.

**Method 2: Convert String to Date Using Custom Format**

```
Sub ConvertStringToDate()
```

```
Dim i As Integer
```

```
For i = 2 To 8
```

```
Range("B" & i) = Format(CDate(Range("A" & i)),  
"MM.DD.YYYY")
```

```
Next i
```

```
End Sub
```

This particular macro will convert each string in the

range A2:A8 to a date with a format of MM.DD.YYYY.

For example, a text string of 2023-04-15 will be converted to a date of 04.15.2023.

The following examples show how to use each method in practice with the following column of strings in Excel:

	A	B	C	D	E	F
1	<b>Strings</b>					
2	2023-04-15					
3	2023-04-19					
4	2023-06-17					
5	2023-10-31					
6	2023-11-15					
7	2023-12-23					
8	2023-12-30					
9						
10						
11						
12						
13						
14						
15						
16						

### Example 1: Convert String to Date Using Default Format

We can use the following macro to convert each string in column A to a date with the default format of

**MM/DD/YYYY:**

**Sub ConvertStringToDate()**

**Dim i As Integer**

**For i = 2 To 8**

**Range("B" & i) = CDate(Range("A" & i))**

**Next i**

**End Sub**

**When we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Strings</b>					
2	2023-04-15	4/15/2023				
3	2023-04-19	4/19/2023				
4	2023-06-17	6/17/2023				
5	2023-10-31	10/31/2023				
6	2023-11-15	11/15/2023				
7	2023-12-23	12/23/2023				
8	2023-12-30	12/30/2023				
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

## Example 2: Convert String to Date Using Custom Format

We can use the following macro to convert each string in column A to a date with a custom format of **MM.DD.YYY**:

```
Sub ConvertStringToDate()
```

```
Dim i As Integer
```

```
For i = 2 To 8
```

```
Range("B" & i) = Format(CDate(Range("A" & i)),  
"MM.DD.YYYY")
```

**Next i**

**End Sub**

**When we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Strings</b>					
2	2023-04-15	04.15.2023				
3	2023-04-19	04.19.2023				
4	2023-06-17	06.17.2023				
5	2023-10-31	10.31.2023				
6	2023-11-15	11.15.2023				
7	2023-12-23	12.23.2023				
8	2023-12-30	12.30.2023				
9						
10						
11						
12						
13						
14						
15						
16						
17						

**Notice that column B converts each string in column A to a date with a custom format of MM.DD.YYYY.**

**Feel free to use the VBA Format function to display dates in whatever format you'd like.**

**Note: You can find the complete documentation for the VBA CDate function .**

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