

System.Globalization.NumberStyles Enum

```
[ILASM]
.class public sealed serializable NumberStyles extends
System.Enum

[C#]
public enum NumberStyles
```

Assembly Info:

- Name: mscorlib
- Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- Version: 1.0.x.x
- Attributes:
 - CLSCompliantAttribute(true)

Type Attributes:

- FlagsAttribute

Summary

Specifies styles for **System.String** representations of numeric values.

Inherits From: System.Enum

Library: BCL

Description

System.Globalization.NumberStyles define the presence and/or location of various elements in a **System.String** representation of a numeric value. [Note: For example, the **System.Globalization.NumberStyles.AllowParentheses** style describes strings where the numeric value is enclosed in parenthesis, such as "(432.00)".]

[Note: Where symbols such as a currency symbol are allowed in a **System.Globalization.NumberStyles** pattern, a **System.Globalization.NumberFormatInfo** instance defines the **System.String** representations of the symbols.

System.Globalization.NumberStyles values are passed to methods that convert between **System.String** and numeric data types, such as the **Parse** methods implemented by numeric base types. To specify multiple **System.Globalization.NumberStyles** values, use the bitwise OR operator.

1
2
3
4

For a list of the valid white space characters, see the **System.String** class.]

1 NumberStyles.AllowCurrencySymbol Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowCurrencySymbol =  
5 0x100  
  
6 [C#]  
7 AllowCurrencySymbol = 0x100
```

8 Summary

9 Specifies that a currency symbol is allowed. [*Note:* See
10 **System.Globalization.NumberFormatInfo.CurrencySymbol.**]

11

1 NumberStyles.AllowDecimalPoint Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowDecimalPoint = 0x20  
  
5 [C#]  
6 AllowDecimalPoint = 0x20
```

7 Summary

8 Specifies that a decimal point is allowed. [*Note:* See
9 **System.Globalization.NumberFormatInfo.NumberDecimalSepar**
10 **ator**,
11 **System.Globalization.NumberFormatInfo.PercentDecimalSepar**
12 **ator**, and
13 **System.Globalization.NumberFormatInfo.CurrencyDecimalSepa**
14 **erator**.]
15

1 NumberStyles.AllowExponent Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowExponent = 0x80  
  
5 [C#]  
6 AllowExponent = 0x80
```

7 Summary

8 Specifies that exponential notation is allowed.

9

10 This style is used for values in one of the following forms:

11

12 [-]m.dddddE+xx

13

14 [-]m.dddddE-xx

15

16 [-]m.dddddde+xx

17

18 [-]m.dddddde-xx

19

20 One or more non-zero digits (m) precede the decimal separator (".").

21 A minus sign ("-") can precede m. The type performing the conversion

22 determines the number of decimal places (dddddd) in the string, and

23 maximum and minimum values for xx and m. The exponent (+/-xx)

24 consists of either a plus or minus sign followed by at least one digit.

25

1 NumberStyles.AllowHexSpecifier Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowHexSpecifier = 0x200  
  
5 [C#]  
6 AllowHexSpecifier = 0x200
```

7 Summary

8 Specifies that hexadecimal representation (Base 16) is allowed.

9
10 Valid hexadecimal values include the numeric digits 0-9 and the
11 hexadecimal digits A-F, and a-f. The hexadecimal digits can be in
12 upper or lower case. Hexadecimal values can be left-padded with
13 zeros. Strings parsed using this style are not permitted to be prefixed
14 with "0x".

15

1 NumberStyles.AllowLeadingSign Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowLeadingSign = 0x4  
  
5 [C#]  
6 AllowLeadingSign = 0x4
```

7 Summary

8 Specifies that a leading sign symbol is allowed. [*Note:* See
9 **System.Globalization.NumberFormatInfo.PositiveSign** and
10 **System.Globalization.NumberFormatInfo.NegativeSign.**]

11

1 NumberStyles.AllowLeadingWhite Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowLeadingWhite = 0x1  
  
5 [C#]  
6 AllowLeadingWhite = 0x1
```

7 Summary

8 Specifies that the string can be prefixed with white space characters.

9

1 NumberStyles.AllowParentheses Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowParentheses = 0x10  
5  
6 [C#]  
7 AllowParentheses = 0x10
```

7 Summary

8 Specifies that one pair of balanced parentheses is allowed.

9

1 NumberStyles.AllowThousands Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowThousands = 0x40
```

```
5 [C#]  
6 AllowThousands = 0x40
```

7 Summary

8 Specifies that group separators are allowed; for instance, separating
9 the hundreds from the thousands. [*Note:* See
10 **System.Globalization.NumberFormatInfo.NumberGroupSeparat**
11 **or,**
12 **System.Globalization.NumberFormatInfo.PercentGroupSeparat**
13 **or,** and
14 **System.Globalization.NumberFormatInfo.CurrencyGroupSepara**
15 **tor.**]

16

1 NumberStyles.AllowTrailingSign Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowTrailingSign = 0x8  
  
5 [C#]  
6 AllowTrailingSign = 0x8
```

7 Summary

8 Specifies that a trailing sign symbol is allowed. [*Note:* See
9 **System.Globalization.NumberFormatInfo.PositiveSign** and
10 **System.Globalization.NumberFormatInfo.NegativeSign.**]

11

1 NumberStyles.AllowTrailingWhite Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles AllowTrailingWhite = 0x2  
  
5 [C#]  
6 AllowTrailingWhite = 0x2
```

7 Summary

8 Specifies that the string can be suffixed with white space characters.

9

1 NumberStyles.Any Field

```
2 [ILASM]
3 .field public static literal valuetype
4 System.Globalization.NumberStyles Any = AllowLeadingWhite |
5 AllowTrailingWhite | AllowLeadingSign | AllowTrailingSign |
6 AllowParentheses | AllowDecimalPoint | AllowThousands |
7 AllowExponent | AllowCurrencySymbol

8 [C#]
9 Any = AllowLeadingWhite | AllowTrailingWhite |
10 AllowLeadingSign | AllowTrailingSign | AllowParentheses |
11 AllowDecimalPoint | AllowThousands | AllowExponent |
12 AllowCurrencySymbol
```

13 Summary

14 Specifies that
15 **System.Globalization.NumberStyles.AllowLeadingWhite**,
16 **System.Globalization.NumberStyles.AllowTrailingWhite**,
17 **System.Globalization.NumberStyles.AllowLeadingSign**,
18 **System.Globalization.NumberStyles.AllowTrailingSign**,
19 **System.Globalization.NumberStyles.AllowParentheses**,
20 **System.Globalization.NumberStyles.AllowDecimalPoint**,
21 **System.Globalization.NumberStyles.AllowThousands**,
22 **System.Globalization.NumberStyles.AllowCurrencySymbol** and
23 **System.Globalization.NumberStyles.AllowExponent** styles are
24 allowed.

25

1 NumberStyles.Currency Field

```
2 [ILASM]
3 .field public static literal valuetype
4 System.Globalization.NumberStyles Currency =
5 AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
6 AllowTrailingSign | AllowParentheses | AllowDecimalPoint |
7 AllowThousands | AllowCurrencySymbol

8 [C#]
9 Currency = AllowLeadingWhite | AllowTrailingWhite |
10 AllowLeadingSign | AllowTrailingSign | AllowParentheses |
11 AllowDecimalPoint | AllowThousands | AllowCurrencySymbol
```

12 Summary

13 Specifies that
14 **System.Globalization.NumberStyles.AllowLeadingWhite**,
15 **System.Globalization.NumberStyles.AllowTrailingWhite**,
16 **System.Globalization.NumberStyles.AllowLeadingSign**,
17 **System.Globalization.NumberStyles.AllowTrailingSign**,
18 **System.Globalization.NumberStyles.AllowParentheses**,
19 **System.Globalization.NumberStyles.AllowDecimalPoint**,
20 **System.Globalization.NumberStyles.AllowThousands**, and
21 **System.Globalization.NumberStyles.AllowCurrencySymbol**
22 styles are allowed.

23

1 NumberStyles.Float Field

```
2 [ILASM]
3 .field public static literal valuetype
4 System.Globalization.NumberStyles Float = AllowLeadingWhite
5 | AllowTrailingWhite | AllowLeadingSign | AllowDecimalPoint
6 | AllowExponent
7
8 [C#]
9 Float = AllowLeadingWhite | AllowTrailingWhite |
  AllowLeadingSign | AllowDecimalPoint | AllowExponent
```

10 Summary

11 Specifies that
12 **System.Globalization.NumberStyles.AllowLeadingWhite**,
13 **System.Globalization.NumberStyles.AllowTrailingWhite**,
14 **System.Globalization.NumberStyles.AllowLeadingSign**,
15 **System.Globalization.NumberStyles.AllowDecimalPoint** and
16 **System.Globalization.NumberStyles.AllowExponent** styles are
17 allowed.

18

1 NumberStyles.HexNumber Field

```
2 [ILASM]
3 .field public static literal valuetype
4 System.Globalization.NumberStyles HexNumber =
5 AllowLeadingWhite | AllowTrailingWhite | AllowHexSpecifier
6
7 [C#]
8 HexNumber = AllowLeadingWhite | AllowTrailingWhite |
9 AllowHexSpecifier
```

9 Summary

10 Specifies that
11 **System.Globalization.NumberStyles.AllowLeadingWhite**,
12 **System.Globalization.NumberStyles.AllowTrailingWhite**,
13 **System.Globalization.NumberStyles.AllowHexSpecifier** styles are
14 allowed.
15

1 NumberStyles.Integer Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles Integer =  
5 AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign  
  
6 [C#]  
7 Integer = AllowLeadingWhite | AllowTrailingWhite |  
8 AllowLeadingSign
```

9 Summary

10 Specifies that
11 **System.Globalization.NumberStyles.AllowLeadingWhite**,
12 **System.Globalization.NumberStyles.AllowTrailingWhite**, and
13 **System.Globalization.NumberStyles.AllowLeadingSign** styles are
14 allowed.
15

1 NumberStyles.None Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Globalization.NumberStyles None = 0x0  
  
5 [C#]  
6 None = 0x0
```

7 Summary

8 Specifies that no styles are allowed.

9

1 NumberStyles.Number Field

```
2 [ILASM]
3 .field public static literal valuetype
4 System.Globalization.NumberStyles Number =
5 AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
6 AllowTrailingSign | AllowDecimalPoint | AllowThousands

7 [C#]
8 Number = AllowLeadingWhite | AllowTrailingWhite |
9 AllowLeadingSign | AllowTrailingSign | AllowDecimalPoint |
10 AllowThousands
```

11 Summary

12 Specifies that
13 **System.Globalization.NumberStyles.AllowLeadingWhite**,
14 **System.Globalization.NumberStyles.AllowTrailingWhite**,
15 **System.Globalization.NumberStyles.AllowLeadingSign**,
16 **System.Globalization.NumberStyles.AllowTrailingSign**,
17 **System.Globalization.NumberStyles.AllowDecimalPoint** and
18 **System.Globalization.NumberStyles.AllowThousands** styles are
19 allowed.

20