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 00]
- *Version:* 2.0.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.

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

]

NumberStyles.AllowCurrencySymbol Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowCurrencySymbol = 0x100


[C#]
AllowCurrencySymbol = 0x100
```

Summary

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

NumberStyles.AllowDecimalPoint Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowDecimalPoint = 0x20


[C#]
AllowDecimalPoint = 0x20
```

Summary

Specifies that a decimal point is allowed. [*Note:* See
System.Globalization.NumberFormatInfo.NumberDecimalSeparator,
System.Globalization.NumberFormatInfo.PercentDecimalSeparator, and
System.Globalization.NumberFormatInfo.CurrencyDecimalSeparator.]

NumberStyles.AllowExponent Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowExponent = 0x80


[C#]
AllowExponent = 0x80
```

Summary

Specifies that exponential notation is allowed.

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

[-]m.ddddddE+xx

[-]m.ddddddE-xx

[-]m.dddddde+xx

[-]m.dddddde-xx

One or more non-zero digits (m) precede the decimal separator ("."). A minus sign ("-")
can precede m. The type performing the conversion determines the number of decimal
places (dddddd) in the string, and maximum and minimum values for xx and m. The
exponent (+/-xx) consists of either a plus or minus sign followed by at least one digit.

NumberStyles.AllowHexSpecifier Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowHexSpecifier = 0x200


[C#]
AllowHexSpecifier = 0x200
```

Summary

Specifies that hexadecimal representation (Base 16) is allowed.

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

NumberStyles.AllowLeadingSign Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowLeadingSign = 0x4


[C#]
AllowLeadingSign = 0x4
```

Summary

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

NumberStyles.AllowLeadingWhite Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowLeadingWhite = 0x1


[C#]
AllowLeadingWhite = 0x1
```

Summary

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

NumberStyles.AllowParentheses Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowParentheses = 0x10


[C#]
AllowParentheses = 0x10
```

Summary

Specifies that one pair of balanced parentheses is allowed.

NumberStyles.AllowThousands Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowThousands = 0x40


[C#]
AllowThousands = 0x40
```

Summary

Specifies that group separators are allowed; for instance, separating the hundreds from
the thousands. [*Note:* See
System.Globalization.NumberFormatInfo.NumberGroupSeparator,
System.Globalization.NumberFormatInfo.PercentGroupSeparator, and
System.Globalization.NumberFormatInfo.CurrencyGroupSeparator.]

NumberStyles.AllowTrailingSign Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowTrailingSign = 0x8


[C#]
AllowTrailingSign = 0x8
```

Summary

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

NumberStyles.AllowTrailingWhite Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
AllowTrailingWhite = 0x2


[C#]
AllowTrailingWhite = 0x2
```

Summary

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

NumberStyles.Any Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
Any = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowTrailingSign | AllowParentheses | AllowDecimalPoint | AllowThousands
| AllowExponent | AllowCurrencySymbol

[C#]
Any = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowTrailingSign | AllowParentheses | AllowDecimalPoint | AllowThousands
| AllowExponent | AllowCurrencySymbol
```

Summary

Specifies that System.Globalization.NumberStyles.AllowLeadingWhite,
System.Globalization.NumberStyles.AllowTrailingWhite,
System.Globalization.NumberStyles.AllowLeadingSign,
System.Globalization.NumberStyles.AllowTrailingSign,
System.Globalization.NumberStyles.AllowParentheses,
System.Globalization.NumberStyles.AllowDecimalPoint,
System.Globalization.NumberStyles.AllowThousands,
System.Globalization.NumberStyles.AllowCurrencySymbol and
System.Globalization.NumberStyles.AllowExponent styles are allowed.

NumberStyles.Currency Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
Currency = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowTrailingSign | AllowParentheses | AllowDecimalPoint | AllowThousands
| AllowCurrencySymbol

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

Summary

Specifies that `System.Globalization.NumberStyles.AllowLeadingWhite`,
`System.Globalization.NumberStyles.AllowTrailingWhite`,
`System.Globalization.NumberStyles.AllowLeadingSign`,
`System.Globalization.NumberStyles.AllowTrailingSign`,
`System.Globalization.NumberStyles.AllowParentheses`,
`System.Globalization.NumberStyles.AllowDecimalPoint`,
`System.Globalization.NumberStyles.AllowThousands`, and
`System.Globalization.NumberStyles.AllowCurrencySymbol` styles are allowed.

NumberStyles.Float Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
Float = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowDecimalPoint | AllowExponent

[C#]
Float = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowDecimalPoint | AllowExponent
```

Summary

Specifies that System.Globalization.NumberStyles.AllowLeadingWhite,
System.Globalization.NumberStyles.AllowTrailingWhite,
System.Globalization.NumberStyles.AllowLeadingSign,
System.Globalization.NumberStyles.AllowDecimalPoint and
System.Globalization.NumberStyles.AllowExponent styles are allowed.

NumberStyles.HexNumber Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
HexNumber = AllowLeadingWhite | AllowTrailingWhite | AllowHexSpecifier

[C#]
HexNumber = AllowLeadingWhite | AllowTrailingWhite | AllowHexSpecifier
```

Summary

Specifies that System.Globalization.NumberStyles.AllowLeadingWhite, System.Globalization.NumberStyles.AllowTrailingWhite, System.Globalization.NumberStyles.AllowHexSpecifier styles are allowed.

NumberStyles.Integer Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
Integer = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign


[C#]
Integer = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign
```

Summary

Specifies that System.Globalization.NumberStyles.AllowLeadingWhite,
System.Globalization.NumberStyles.AllowTrailingWhite, and
System.Globalization.NumberStyles.AllowLeadingSign styles are allowed.

NumberStyles.None Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
None = 0x0


[C#]
None = 0x0
```

Summary

Specifies that no styles are allowed.

NumberStyles.Number Field

```
[ILAsm]
.field public static literal valuetype System.Globalization.NumberStyles
Number = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowTrailingSign | AllowDecimalPoint | AllowThousands

[C#]
Number = AllowLeadingWhite | AllowTrailingWhite | AllowLeadingSign |
AllowTrailingSign | AllowDecimalPoint | AllowThousands
```

Summary

Specifies that System.Globalization.NumberStyles.AllowLeadingWhite,
System.Globalization.NumberStyles.AllowTrailingWhite,
System.Globalization.NumberStyles.AllowLeadingSign,
System.Globalization.NumberStyles.AllowTrailingSign,
System.Globalization.NumberStyles.AllowDecimalPoint and
System.Globalization.NumberStyles.AllowThousands styles are allowed.