

C# built-in data types (tipos valor)

C# Type	.Net Framework Type	Signed	Bytes	Possible Values
sbyte	System.Sbyte	Yes	1	-128 to 127
short	System.Int16	Yes	2	-32768 to 32767
int	System.Int32	Yes	4	-2^{31} to $2^{31} - 1$
long	System.Int64	Yes	8	-2^{63} to $2^{63} - 1$
byte	System.Byte	No	1	0 to 255
ushort	System.UInt16	No	2	0 to 65535
uint	System.UInt32	No	4	0 to $2^{32} - 1$
ulong	System.UInt64	No	8	0 to $2^{64} - 1$
float	System.Single	Yes	4	$\pm 1.5 \times 10^{-45}$ to $\pm 3.4 \times 10^{38}$ with 7 significant figures
double	System.Double	Yes	8	$\pm 5.0 \times 10^{-324}$ to $\pm 1.7 \times 10^{308}$ with 15 or 16 significant figures
decimal	System.Decimal	Yes	12	$\pm 1.0 \times 10^{-28}$ to $\pm 7.9 \times 10^{25}$ with 28 or 29 significant figures
char	System.Char	N/A	2	Any Unicode character
bool	System.Boolean	N/A	1/2	true or false

C# built-in data types (tipos referência)

Tipo C#	Tipo .NET	Descrição
string	System.String	Uma cadeia de caracteres Unicode IMUTÁVEL (<i>segurança, simplicidade, thread safe</i>)
object	System.Object	Um objeto genérico (toda classe em C# é subclasse de object) GetType Equals GetHashCode ToString