

How can the column width be changed in VBA with examples?

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The column width in VBA refers to the measurement of the horizontal space occupied by a column in a spreadsheet. It can be adjusted to accommodate varying amounts of data or to improve the overall visual appearance of the spreadsheet. This can be done using the "Column.Width" property in VBA, which allows for the specific adjustment of a column's width. The following example demonstrates how to change the width of column A to 20 points:

```
Range("A:A").Column.Width = 20
```

Similarly, the width of multiple columns can be changed by specifying a range of columns, such as A to D, and then assigning a desired value to the "Column.Width" property. For instance:

```
Range("A:D").Column.Width = 30
```

Moreover, the column width can also be adjusted based on the content of the cells within the column. This can be achieved by using the "AutoFit" method, which automatically adjusts the column width to fit the longest text or number within the column. The following example demonstrates how to auto-fit column B:

```
Range("B:B").Column.AutoFit
```

Overall, the flexibility of changing column width in VBA allows for efficient and customized formatting of spreadsheets to meet specific data presentation needs.

Change Column Width in VBA (With Examples)

You can use the following methods to change the width of columns in Excel using VBA:

Method 1: Change Width of One Column

```
Sub ChangeColumnWidth()
```

```
Columns("B").ColumnWidth = 20
```

```
End Sub
```

This particular macro changes the width of column B to 20.

Note: The default width of columns in Excel is 8.29.

Method 2: Change Width of Multiple Columns

```
Sub ChangeColumnWidth()  
Columns("B:D").ColumnWidth = 20  
End Sub
```

This particular macro changes the width of all columns in the range from B to D to 20.

Method 3: Auto Adjust Width of Multiple Columns

```
Sub ChangeColumnWidth()  
Columns("B:D").AutoFit  
End Sub
```

This particular macro automatically adjusts the width of each column in the range from B to D to be as wide as necessary to display the longest cell in each column.

The following examples show how to use each of these

methods in practice with the following dataset in Excel:

	A	B	C	D	E	F
1	Team	Points	Assists	Rebounds		
2	Mavericks	22	5	12		
3	Heat	20	9	10		
4	Nets	14	9	4		
5	Kings	28	3	8		
6	Warriors	39	8	7		
7	Spurs	31	2	5		
8	Rockets	10	3	5		
9						
10						
11						
12						
13						
14						
15						
16						
17						

Example 1: Change Width of One Column

We can create the following macro to change the width of column B to 20:

```
Sub ChangeColumnWidth()  
Columns("B").ColumnWidth = 20  
End Sub
```

When we run this macro, we receive the following

output:

	A	B	C	D	E
1	Team	Points	Assists	Rebounds	
2	Mavericks	22	5	12	
3	Heat	20	9	10	
4	Nets	14	9	4	
5	Kings	28	3	8	
6	Warriors	39	8	7	
7	Spurs	31	2	5	
8	Rockets	10	3	5	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Notice that only the width of column B (the "Points" column) has increased to 20 while the width of all other columns remained the same.

Example 2: Change Width of Multiple Columns

We can create the following macro to change the width of columns B through D to 20:

Sub ChangeColumnWidth()

```
Columns("B:D").ColumnWidth = 20
```

```
End Sub
```

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

	A	B	C	D
1	Team	Points	Assists	Rebounds
2	Mavericks	22	5	12
3	Heat	20	9	10
4	Nets	14	9	4
5	Kings	28	3	8
6	Warriors	39	8	7
7	Spurs	31	2	5
8	Rockets	10	3	5
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

Notice that the width of each column from B to D has increased to 20 while the width of column A remained the same.

Example 3: Auto Adjust Width of Multiple Columns

We can create the following macro to automatically adjust the width of each column from A to D to be as wide as necessary to display the longest cell in each column.

```
Sub ChangeColumnWidth()  
Columns("A:D").AutoFit  
End Sub
```

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

	A	B	C	D	E	F	G
1	Team	Points	Assists	Rebounds			
2	Mavericks	22	5	12			
3	Heat	20	9	10			
4	Nets	14	9	4			
5	Kings	28	3	8			
6	Warriors	39	8	7			
7	Spurs	31	2	5			
8	Rockets	10	3	5			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

Notice that the width of each column has automatically been adjusted to be as wide as necessary to display the longest cell in each column.

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