

Conditional Formatting

[Highlight Cells Rules](#) | [Clear Rules](#) | [Top/Bottom Rules](#)

Conditional formatting in Excel enables you to highlight cells with a certain color, depending on the cell's value.

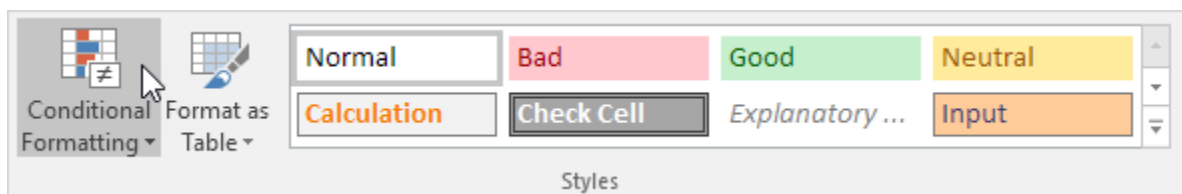
Highlight Cells Rules

To highlight cells that are greater than a value, execute the following steps.

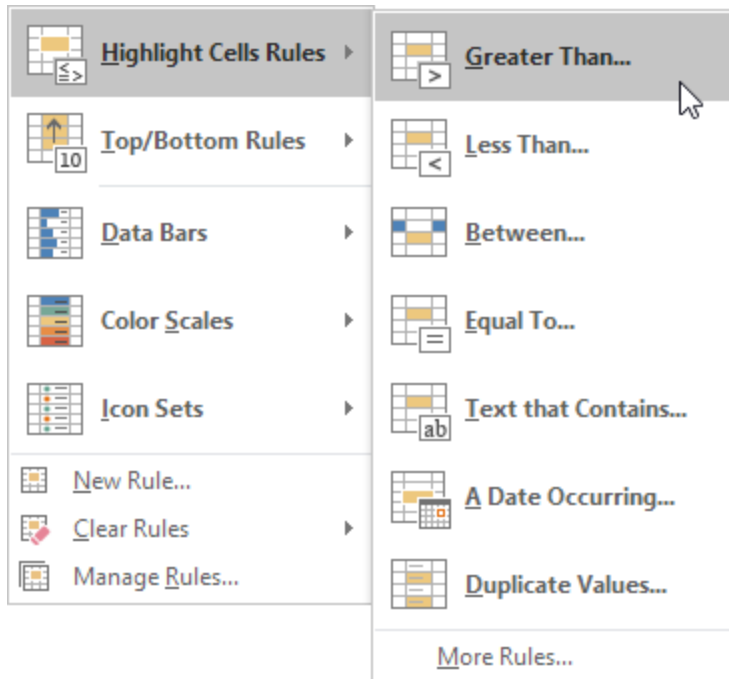
1. Select the range A1:A10.

	A	B
1	14	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

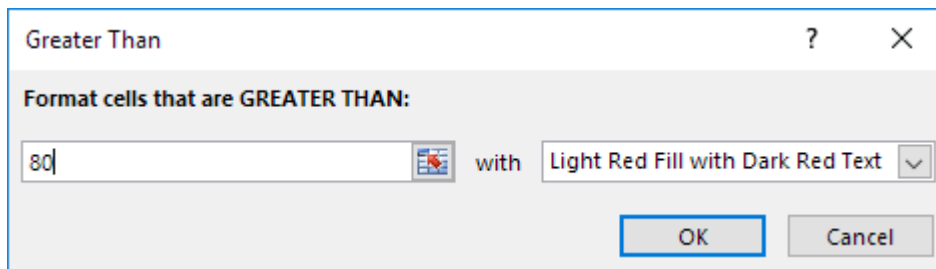
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Highlight Cells Rules, Greater Than.



4. Enter the value 80 and select a formatting style.



5. Click OK.

Result. Excel highlights the cells that are greater than 80.

	A	B
1	14	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

6. Change the value of cell A1 to 81.

Result. Excel changes the format of cell A1 automatically.

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

Note: you can also highlight cells that are less than a value, between a low and high value, etc.

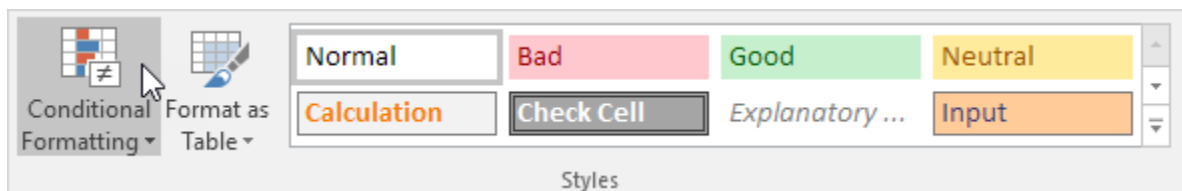
Clear Rules

To clear a conditional formatting rule, execute the following steps.

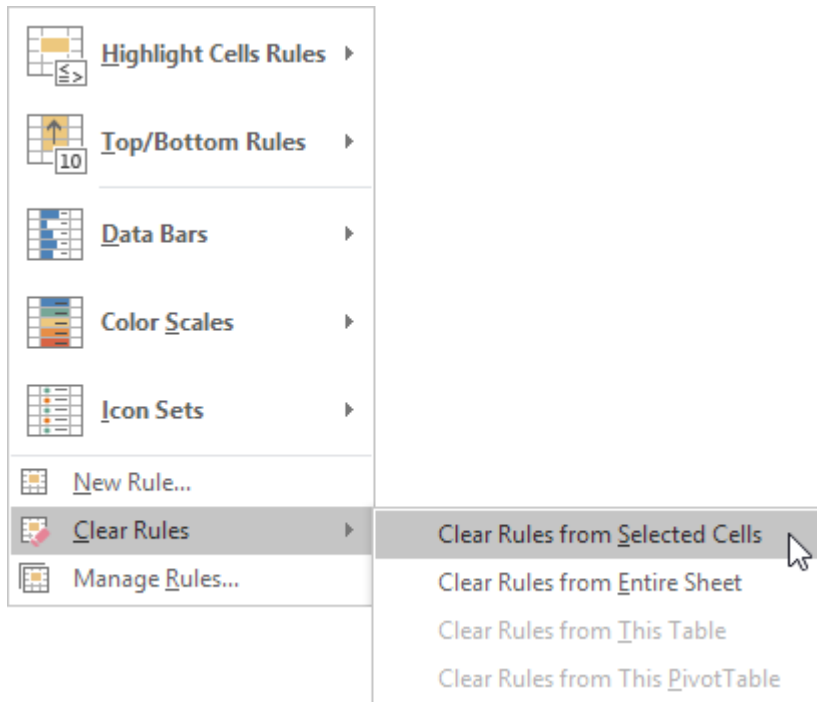
1. Select the range A1:A10.

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Clear Rules, Clear Rules from Selected Cells.



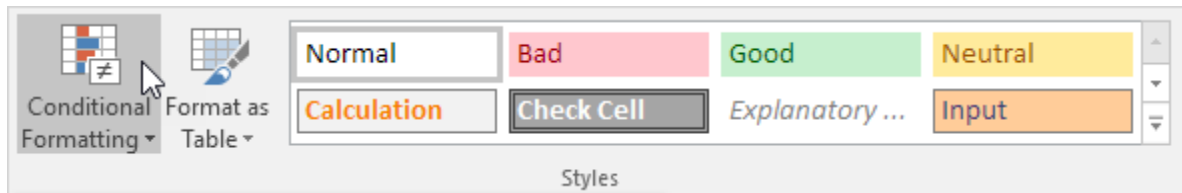
Top/Bottom Rules

To highlight cells that are above the average of the cells, execute the following steps.

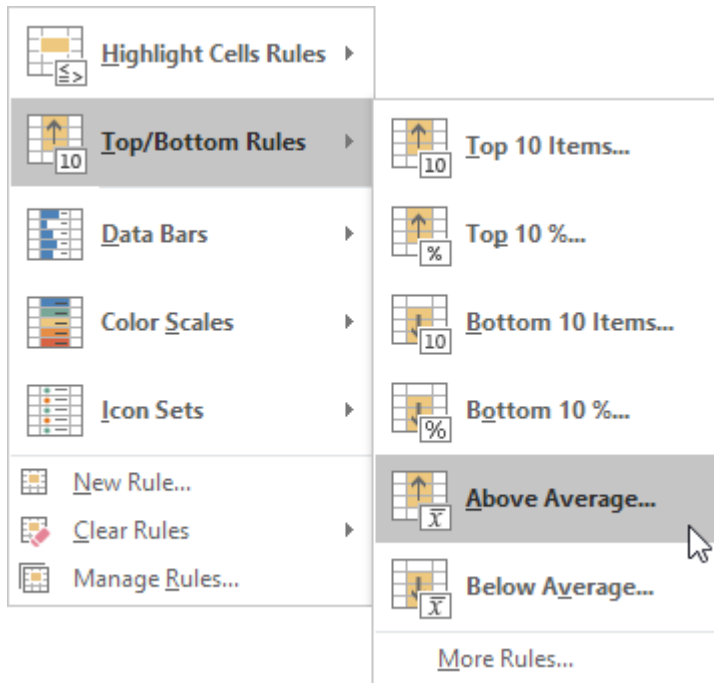
1. Select the range A1:A10.

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

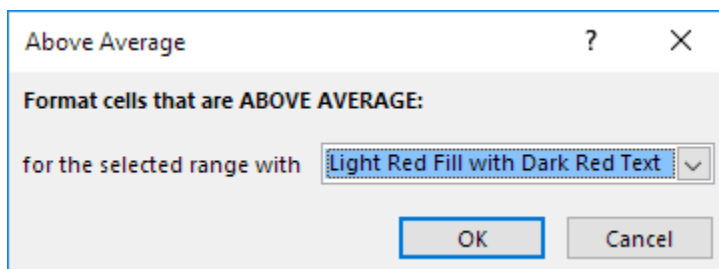
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Top/Bottom Rules, Above Average.



4. Select a formatting style.



5. Click OK.

Result. Excel calculates the average (42.5) and formats the cells that are above this average.

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

Note: you can also highlight the top 10 items, the top 10 %, etc. The sky is the limit!

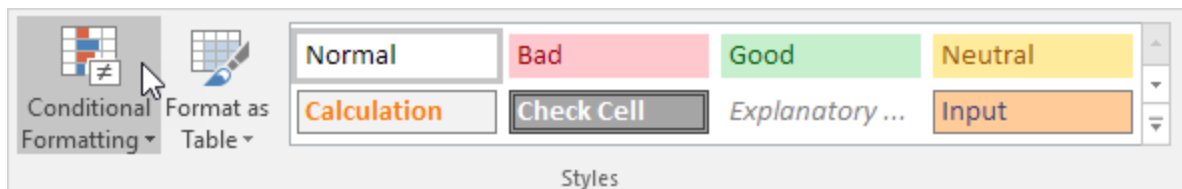
Manage Rules

To view all conditional formatting rules in a workbook, use the Conditional Formatting Rules Manager. You can also use this screen to create, edit and delete rules.

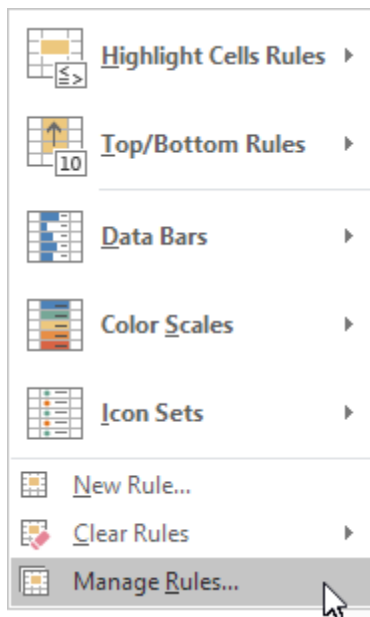
1. Select cell A1.

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

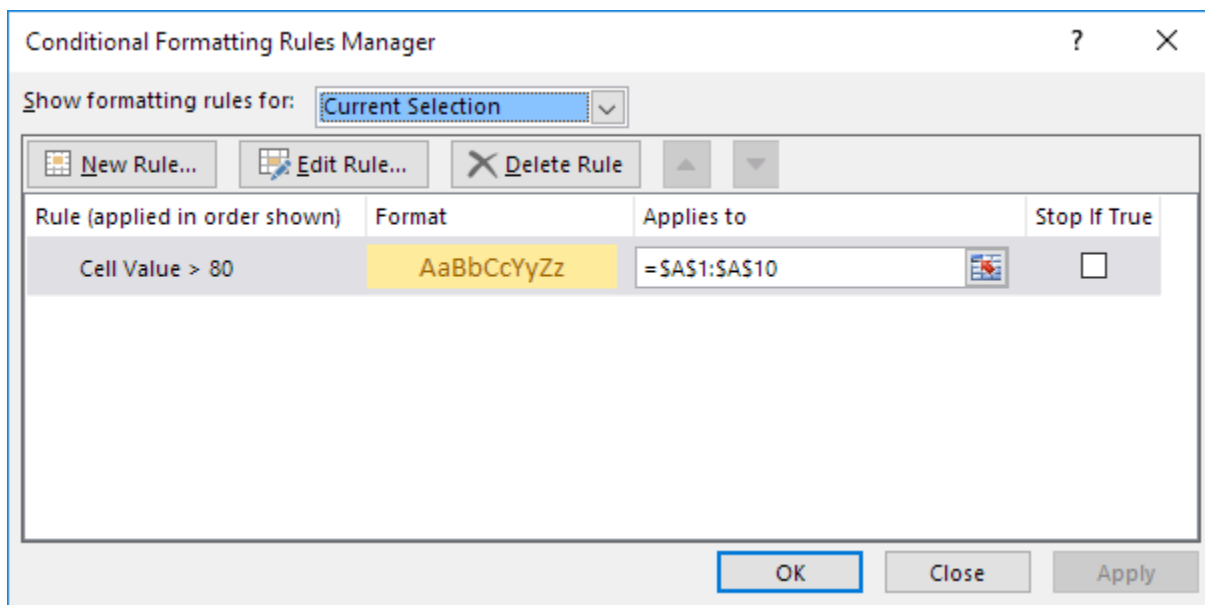
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Manage Rules.



The Conditional Formatting Rules Manager appears.








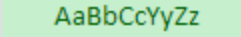

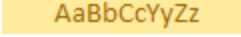

Note: because we selected cell A1, Excel shows the rule applied to the range A1:A10.

4. From the drop-down list, change Current Selection to This Worksheet, to view all conditional formatting rules in this worksheet.

Conditional Formatting Rules Manager

Show formatting rules for: This Worksheet

 New Rule...  Edit Rule...  Delete Rule  

Rule (applied in order shown)	Format	Applies to	Stop If True
Top 1		=SE\$1:SE\$10 	<input type="checkbox"/>
Cell Value > 80		=SA\$1:SA\$10 	<input type="checkbox"/>

OK Close Apply

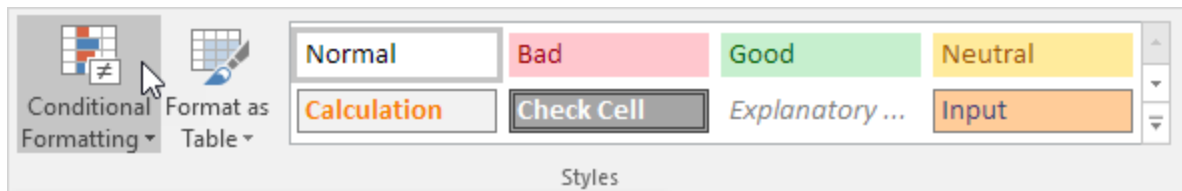
Note: click New Rule, Edit Rule and Delete Rule to create, edit and delete rules.

Data Bars

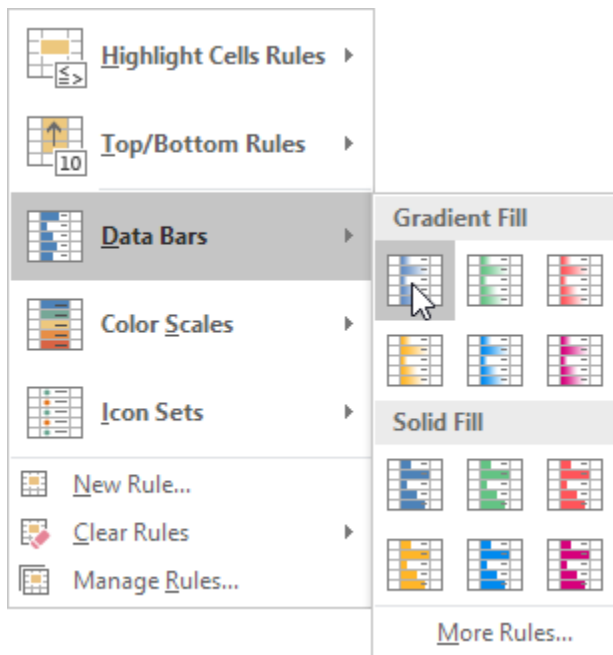
Data bars in Excel make it very easy to visualize values in a range of cells. A longer bar represents a higher value.

To add data bars, execute the following steps.

1. Select a range.
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Data Bars and click a subtype.



Result:

	A	B
1	14	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

Explanation: by default, the cell that holds the minimum value (0 if there are no negative values) has no data bar and the cell that holds the maximum value (95) has a data bar that fills the entire cell. All other cells are filled proportionally.

4. Change the values.

Result. Excel updates the data bars automatically. Read on to further customize these data bars.

	A	B
1	101	
2	125	
3	137	
4	114	
5	139	
6	106	
7	127	
8	148	
9	133	
10	121	
11		

5. Select the range A1:A10.

6. On the Home tab, in the Styles group, click Conditional Formatting, [Manage Rules](#).

7. Click Edit rule.

Excel launches the Edit Formatting Rule dialog box. Here you can further customize your data bars (Show Bar Only, Minimum and Maximum, Bar Appearance, Negative Value and Axis, Bar Direction, etc).

Edit Formatting Rule
?
X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:
Format Style:
Data Bar
Show Bar Only

Minimum
Maximum

Type:
Automatic
Automatic

Value:
(Automatic)
(Automatic)

Bar Appearance:

Fill
Color
Border
Color

Gradient Fill
Solid Border

Negative Value and Axis...
Bar Direction:
Context

Preview:

OK
Cancel

Note: to directly launch this dialog box for new rules, at step 3, click More Rules.

8. Select Number from the Minimum drop-down list and enter the value 100. Select Number from the Maximum drop-down list and enter the value 150.

9. Click OK twice.

Edit Formatting Rule ? X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:

Format Style: Data Bar ☐ Show Bar Only

Type: Minimum Number Maximum Number

Value: 100 150

Bar Appearance:

Fill Gradient Fill Color Blue Border Solid Border Color Blue

Negative Value and Axis... Bar Direction: Context

Preview:

OK Cancel

Result.

	A	B
1	101	
2	125	
3	137	
4	114	
5	139	
6	106	
7	127	
8	148	
9	133	
10	121	
11		

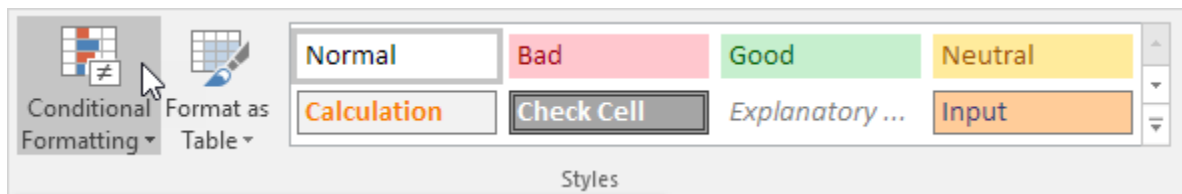
Explanation: the cell that holds the value 100 (if any) has no data bar and the cell that holds the value 150 (if any) has a data bar that fills the entire cell. All other cells are filled proportionally.

Color Scales

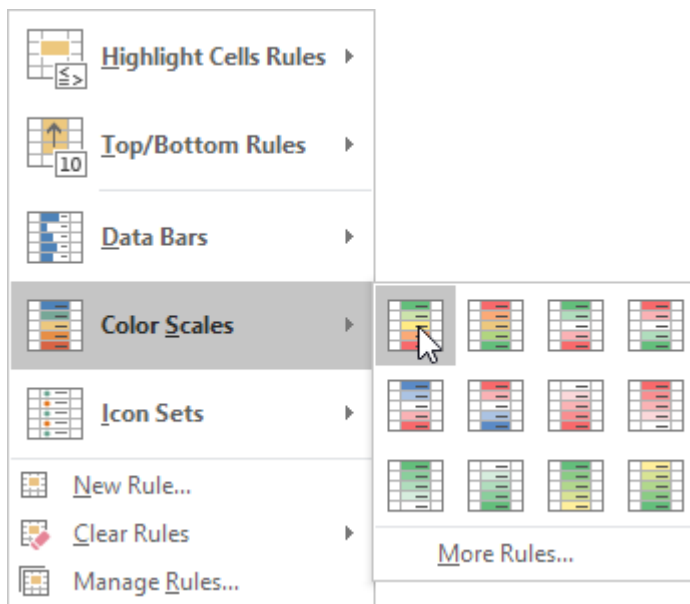
Color Scales in Excel make it very easy to visualize values in a range of cells. The shade of the color represents the value in the cell.

To add a color scale, execute the following steps.

1. Select a range.
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Color Scales and click a subtype.



Result:

	A	B
1	26	
2	37	
3	9	
4	80	
5	36	
6	15	
7	50	
8		

Explanation: by default, for 3-Color scales, Excel calculates the 50th percentile (also known as median, middle value or midpoint). The cell that holds the minimum value (9) is colored red. The cell that holds the median (36) is colored yellow, and the cell that holds the maximum value (80) is colored green. All other cells are colored proportionally.

Read on to further customize this color scale.

4. Select the range A1:A7.

5. On the Home tab, in the Styles group, click Conditional Formatting, [Manage Rules](#).

6. Click Edit rule.

Excel launches the Edit Formatting Rule dialog box. Here you can further customize your color scale (Format Style, Minimum, Midpoint and Maximum, Color, etc).

Edit Formatting Rule
?
X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:
Format Style: 3-Color Scale

	Minimum	Midpoint	Maximum
Type:	Lowest Value	Percentile	Highest Value
Value:	(Lowest value)	50	(Highest value)
Color:			

Preview:

OK
Cancel

Note: to directly launch this dialog box for new rules, at step 3, click More Rules.

7. Select 2-Color Scale from the Format Style drop-down list and select white and blue.

8. Click OK twice.

Edit Formatting Rule
?
X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:
Format Style: 2-Color Scale

Minimum
Type: Lowest Value
Value: (Lowest value)
Color:

Maximum
Highest Value
(Highest value)

Preview:

OK
Cancel

Result.

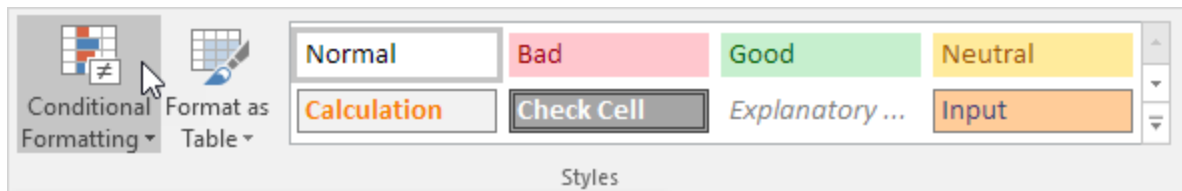
	A	B
1	26	
2	37	
3	9	
4	80	
5	36	
6	15	
7	50	
8		

Icon Sets

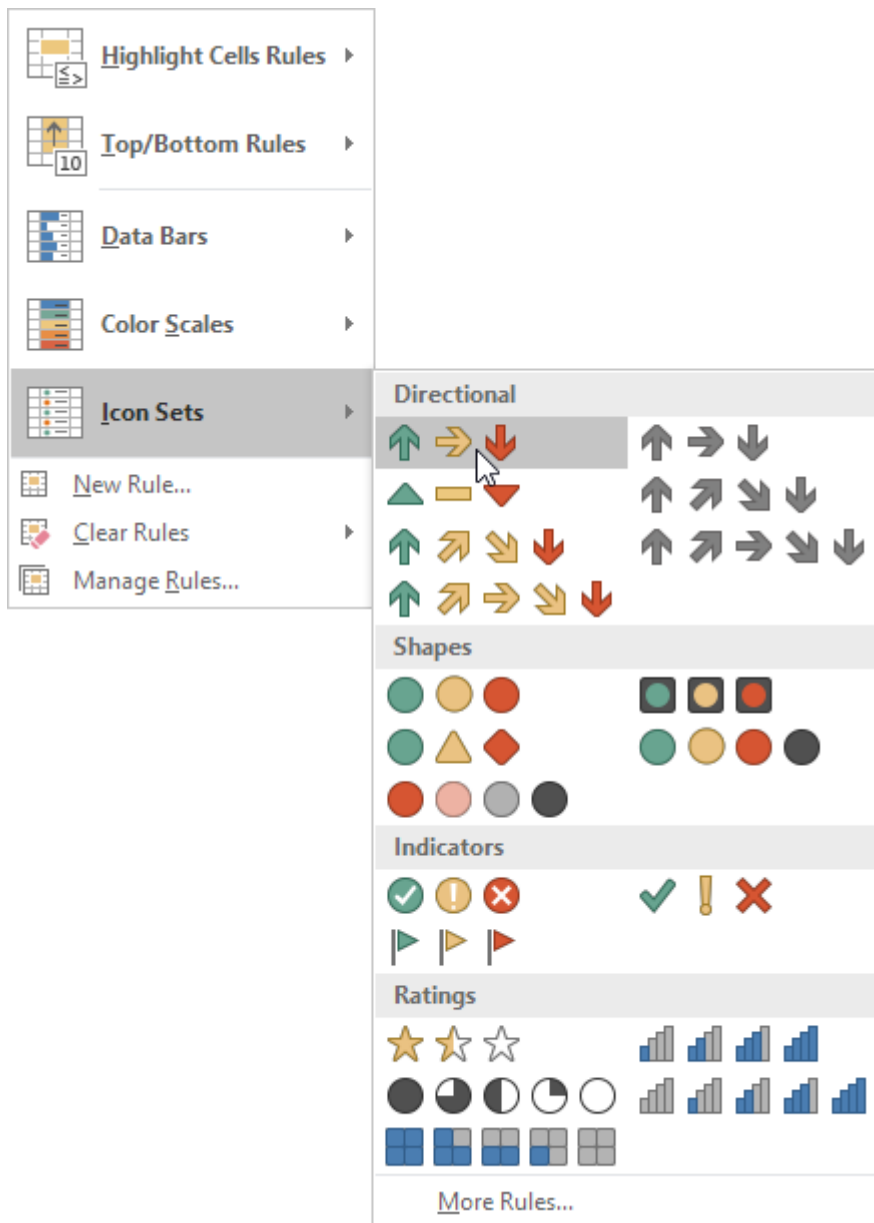
Icon Sets in Excel make it very easy to visualize values in a range of cells. Each icon represents a range of values.

To add an icon set, execute the following steps.

1. Select a range.
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Icon Sets and click a subtype.



Result:

	A	B
1	↓	14
2	↓	6
3	→	39
4	→	43
5	↓	2
6	↑	95
7	↓	5
8	↓	11
9	↑	86
10	→	57
11		

Explanation: by default, for 3 icons, Excel calculates the 67th percent and 33th percent. 67th percent = $\text{min} + 0.67 * (\text{max} - \text{min}) = 2 + 0.67 * (95 - 2) = 64.31$. 33th percent = $\text{min} + 0.33 * (\text{max} - \text{min}) = 2 + 0.33 * (95 - 2) = 32.69$. A green arrow will show for values equal to or greater than 64.31. A yellow arrow will show for values less than 64.31 and equal to or greater than 32.69. A red arrow will show for values less than 32.69.

4. Change the values.

Result. Excel updates the icon set automatically. Read on to further customize this icon set.

	A	B
1	↓	25
2	→	50
3	↑	75
4	↓	0
5	↑	75
6	↑	100
7	↓	0
8	→	50
9	↑	75
10	↑	100
11		

5. Select the range A1:A10.

6. On the Home tab, in the Styles group, click Conditional Formatting, [Manage Rules](#).

7. Click Edit rule.

Excel launches the Edit Formatting Rule dialog box. Here you can further customize your icon set (Icon Style, Reverse Icon Order, Show Icon Only, Icon, Value, Type, etc).

Edit Formatting Rule
?
X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:
Format Style:
Icon Sets
Reverse Icon Order
Icon Style:
Show Icon Only

Display each icon according to these rules:

Icon		Value	Type
	when value is	>= 67	Percent
	when < 67 and	>= 33	Percent
	when < 33		

OK
Cancel

Note: to directly launch this dialog box for new rules, at step 3, click More Rules.

- Select 3 symbols (Uncircled) from the Icon Style drop-down list. Select No Cell Icon from the second Icon drop-down list. Change the Types to Number and change the Values to 100 and 0. Select the greater than symbol (>) next to the value 0.
- Click OK twice.

Edit Formatting Rule ? X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format all cells based on their values:

Format Style: Icon Sets ▼ Reverse Icon Order

Icon Style: Custom ▼ ☐ Show Icon Only

Display each icon according to these rules:

Icon		Value	Type
✓	when value is	>= 100	Number
No Cell Icon	when < 100 and	> 0	Number
✗	when <= 0		

OK Cancel

Result.

	A	B
1	25	
2	50	
3	75	
4	✗ 0	
5	75	
6	✓ 100	
7	✗ 0	
8	50	
9	75	
10	✓ 100	
11		

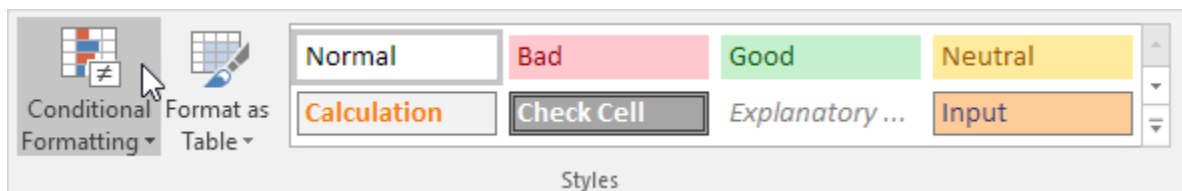
New Rule

If the Highlight Cells Rules, Top/Bottom Rules, Data Bars, Color Scales and Icon Sets are not sufficient, you can create a new rule. For example, highlight the codes below that occur more than once in the range A2:A10 and have a score greater than 100.

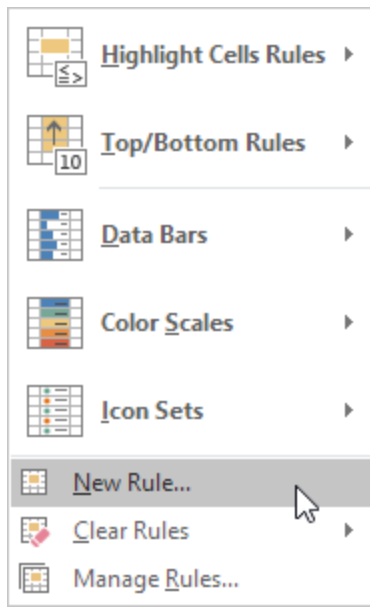
1. Select the range A2:A10.

	A	B	C
1	Code	Score	
2	A	4	
3	B	14	
4	C	31	
5	A	150	
6	D	6	
7	D	50	
8	D	42	
9	E	120	
10	B	22	
11			

2. On the Home tab, in the Styles group, click Conditional Formatting.

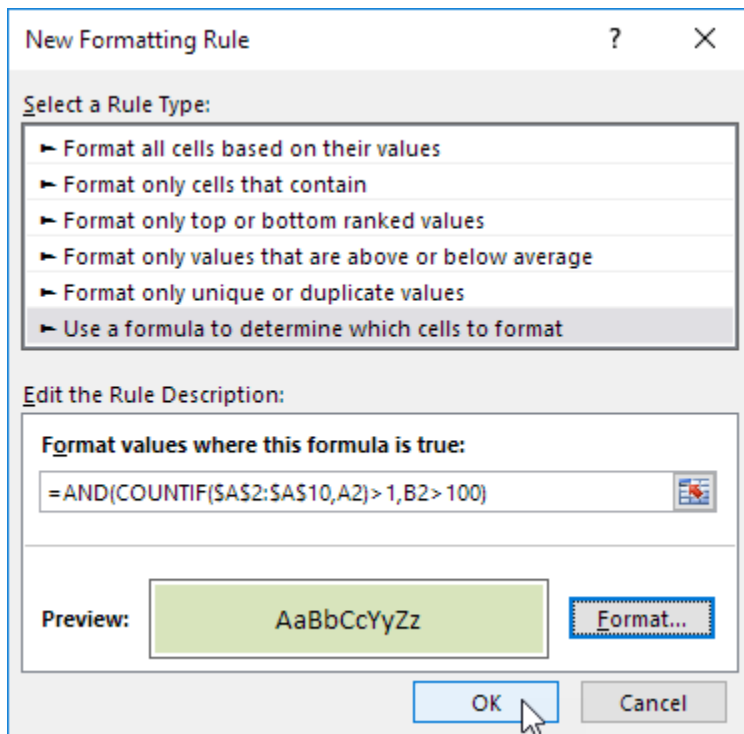


3. Click New Rule.



Note: Highlight Cells Rules, Top/Bottom Rules, Data Bars, Color Scales and Icon Sets are shortcuts. They can also be found under New Rule.

4. Select 'Use a formula to determine which cells to format'.
5. Enter the formula =AND(COUNTIF(\$A\$2:\$A\$10,A2)>1,B2>100)
6. Select a formatting style and click OK.



Result. Excel formats cell A5 because code A occurs more than once in the range A2:A10 and the value 150 in cell B5 is greater than 100.

	A	B	C
1	Code	Score	
2	A	4	
3	B	14	
4	C	31	
5	A	150	
6	D	6	
7	D	50	
8	D	42	
9	E	120	
10	B	22	
11			

Explanation: `COUNTIF(A2:A10,A2)` counts the number of codes in the range A2:A10 that are equal to the code in cell A2. If `COUNTIF(A2:A10,A2) > 1` and `B2 > 100`, Excel formats cell A2. Because we selected the range A2:A10 before we clicked on Conditional Formatting, Excel automatically copies the formula to the other cells. Thus, cell A3 contains the formula `=AND(COUNTIF(A2:A10,A3)>1,B3>100)`, cell A4 `=AND(COUNTIF(A2:A10,A4)>1,B4>100)`, etc. Notice how we created an [absolute reference](#) (`A2:A10`) to fix this reference.

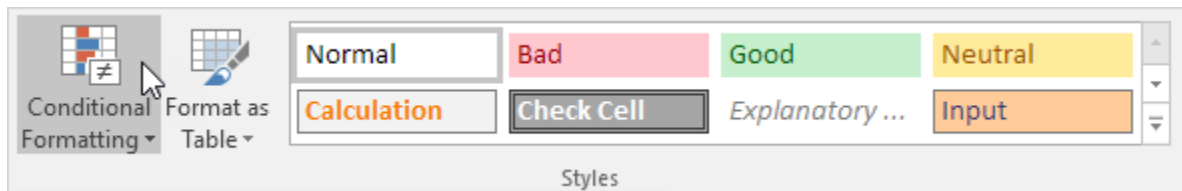
Find Duplicates

This example teaches you how to find duplicates (or triplicates) in Excel. Go here to [remove duplicates](#).

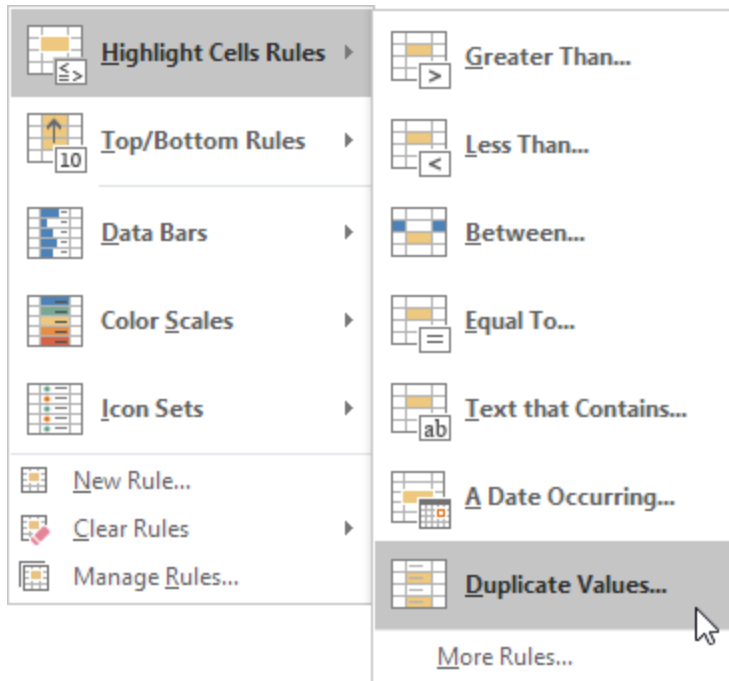
1. Select the range A1:C10.

	A	B	C	D
1	Sierra	Tango	Charlie	
2	Kilo	Bravo	Yankee	
3	Golf	Mike	Delta	
4	Juliet	Alpha	Foxtrot	
5	Papa	X-ray	November	
6	Zulu	Sierra	Whiskey	
7	Romeo	Echo	Quebec	
8	India	Oscar	Delta	
9	Sierra	Lima	Uniform	
10	Hotel	Juliet	Victor	
11				

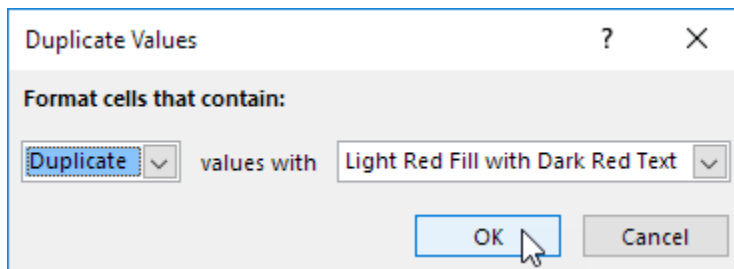
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Highlight Cells Rules, Duplicate Values.



4. Select a formatting style and click OK.



Result. Excel highlights the duplicate names.

	A	B	C	D
1	Sierra	Tango	Charlie	
2	Kilo	Bravo	Yankee	
3	Golf	Mike	Delta	
4	Juliet	Alpha	Foxtrot	
5	Papa	X-ray	November	
6	Zulu	Sierra	Whiskey	
7	Romeo	Echo	Quebec	
8	India	Oscar	Delta	
9	Sierra	Lima	Uniform	
10	Hotel	Juliet	Victor	
11				

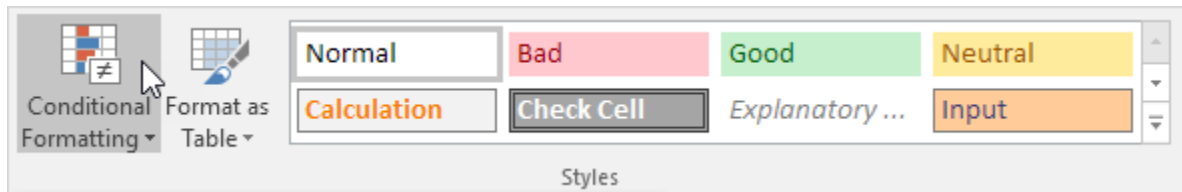
Note: select Unique from the first drop-down list to highlight the unique names.

As you can see, Excel highlights duplicates (Juliet, Delta), triplicates (Sierra), quadruplicates (if we have any), etc. Execute the following steps to highlight triplicates only.

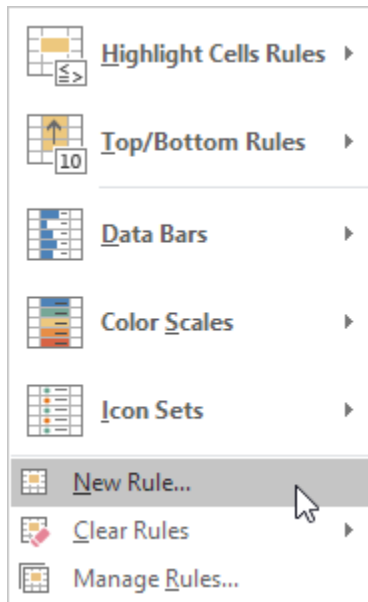
5. First, [clear](#) the previous conditional formatting rule.

6. Select the range A1:C10.

7. On the Home tab, in the Styles group, click Conditional Formatting.



8. Click New Rule.



9. Select 'Use a formula to determine which cells to format'.

10. Enter the formula =[COUNTIF](#)(\$A\$1:\$C\$10,A1)=3

11. Select a formatting style and click OK.

New Formatting Rule ? X

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format values where this formula is true:

`=COUNTIF(A1:C10,A1)=3`

Preview: AaBbCcYyZz Format...

OK Cancel

Result. Excel highlights the triplicate names.

	A	B	C	D
1	Sierra	Tango	Charlie	
2	Kilo	Bravo	Yankee	
3	Golf	Mike	Delta	
4	Juliet	Alpha	Foxtrot	
5	Papa	X-ray	November	
6	Zulu	Sierra	Whiskey	
7	Romeo	Echo	Quebec	
8	India	Oscar	Delta	
9	Sierra	Lima	Uniform	
10	Hotel	Juliet	Victor	
11				

Explanation: `=COUNTIF(A1:C10,A1)` counts the number of names in the range A1:C10 that are equal to the name in cell A1. If `COUNTIF(A1:C10,A1) = 3`, Excel formats the cell. Because we selected the range A1:C10 before we clicked on Conditional Formatting, Excel automatically copies the formula to the other cells. Thus, cell A2 contains the formula `=COUNTIF(A1:C10,A2)=3`, cell A3 `=COUNTIF(A1:C10,A3)=3`, etc. Notice how we created an [absolute reference](#) (`A1:C10`) to fix this reference.

Note: you can use any formula you like. For example, use this formula `=COUNTIF(A1:C10,A1)>3` to highlight the names that occur more than 3 times.

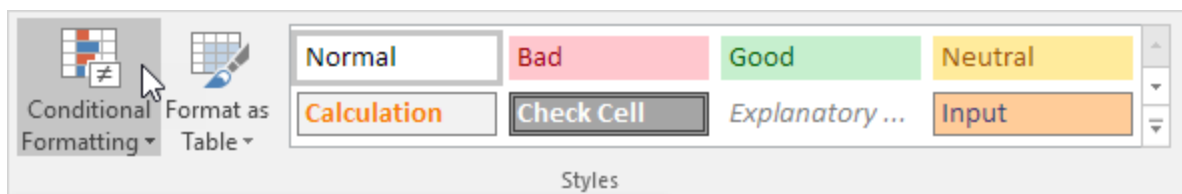
Shade Alternate Rows

This example shows you how to use conditional formatting to shade alternate rows. Shading every other row in a range makes it easier to read your data.

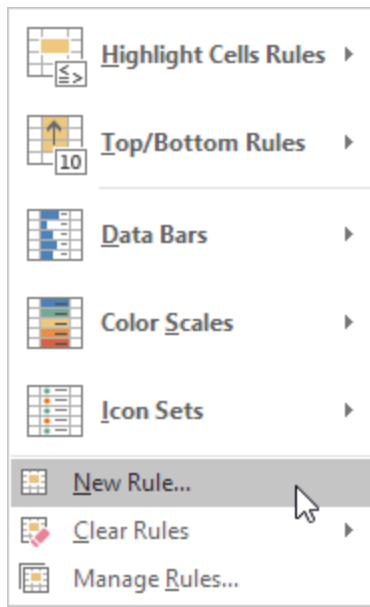
1. Select a range.

	A	B	C	D	E
1	Last Name	Sales	Country	Quarter	
2	Smith	\$16,753.00	UK	Qtr 3	
3	Johnson	\$14,808.00	USA	Qtr 4	
4	Williams	\$10,644.00	UK	Qtr 2	
5	Jones	\$1,390.00	USA	Qtr 3	
6	Brown	\$4,865.00	USA	Qtr 4	
7	Williams	\$12,438.00	UK	Qtr 1	
8	Johnson	\$9,339.00	UK	Qtr 2	
9	Smith	\$18,919.00	USA	Qtr 3	
10	Jones	\$9,213.00	USA	Qtr 4	
11	Jones	\$7,433.00	UK	Qtr 1	
12	Brown	\$3,255.00	USA	Qtr 2	
13	Williams	\$14,867.00	USA	Qtr 3	
14	Williams	\$19,302.00	UK	Qtr 4	
15	Smith	\$9,698.00	USA	Qtr 1	
16					

2. On the Home tab, in the Styles group, click Conditional Formatting.



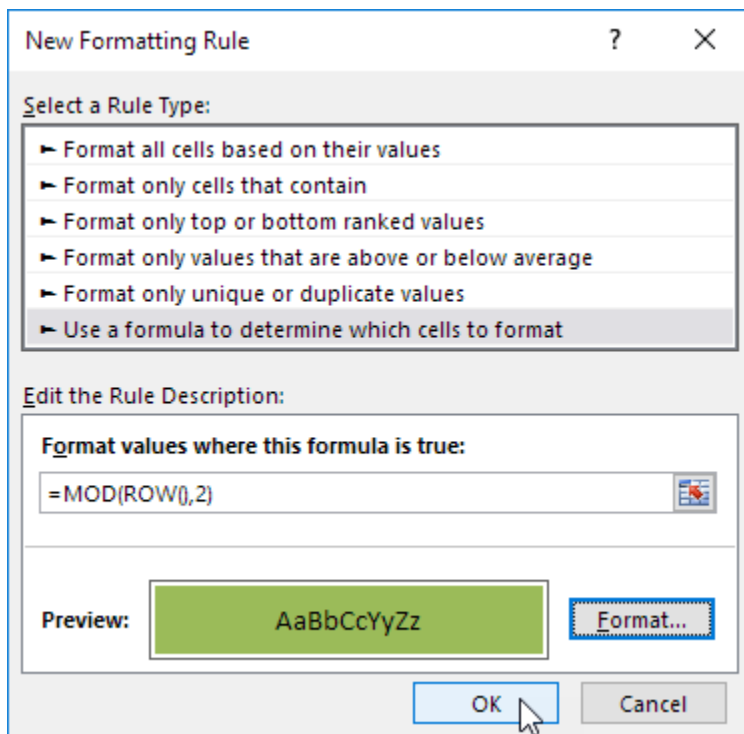
3. Click New Rule.



4. Select 'Use a formula to determine which cells to format'.

5. Enter the formula =MOD(ROW(),2)

6. Select a formatting style and click OK.



Result.

	A	B	C	D	E
1	Last Name	Sales	Country	Quarter	
2	Smith	\$16,753.00	UK	Qtr 3	
3	Johnson	\$14,808.00	USA	Qtr 4	
4	Williams	\$10,644.00	UK	Qtr 2	
5	Jones	\$1,390.00	USA	Qtr 3	
6	Brown	\$4,865.00	USA	Qtr 4	
7	Williams	\$12,438.00	UK	Qtr 1	
8	Johnson	\$9,339.00	UK	Qtr 2	
9	Smith	\$18,919.00	USA	Qtr 3	
10	Jones	\$9,213.00	USA	Qtr 4	
11	Jones	\$7,433.00	UK	Qtr 1	
12	Brown	\$3,255.00	USA	Qtr 2	
13	Williams	\$14,867.00	USA	Qtr 3	
14	Williams	\$19,302.00	UK	Qtr 4	
15	Smith	\$9,698.00	USA	Qtr 1	
16					

Explanation: the MOD function gives the remainder of a division. The ROW() function returns the row number. For example, for the seventh row, MOD(7,2) equals 1. 7 is divided by 2 (3 times) to give a remainder of 1. For the eighth row, MOD(8,2) equals 0. 8 is divided by 2 (exactly 4 times) to give a remainder of 0. As a result, all odd rows return 1 (TRUE) and will be shaded.

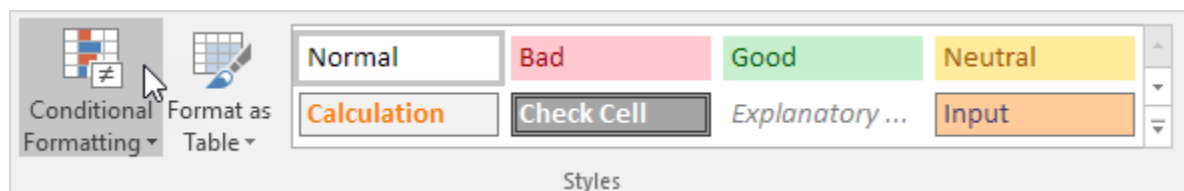
Compare Two Lists

This example describes how to compare two lists using conditional formatting. For example, you may have two lists of NFL teams.

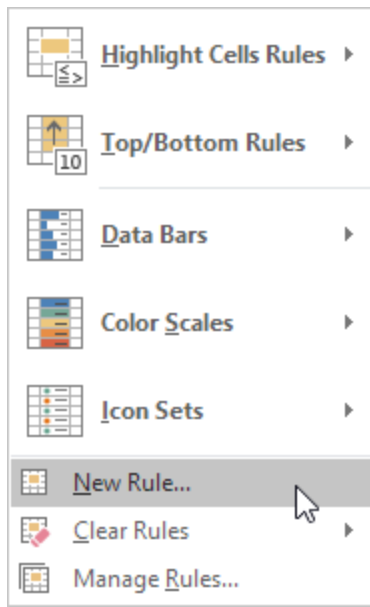
	A	B	C
1	Miami Dolphins	Atlanta Falcons	
2	Cincinnati Bengals	New York Giants	
3	Detroit Lions	Denver Broncos	
4	San Francisco 49ers	Chicago Bears	
5	Indianapolis Colts	Tampa Bay Buccaneers	
6	New England Patriots	Washington Redskins	
7	Houston Texans	Indianapolis Colts	
8	Jacksonville Jaguars	San Diego Chargers	
9	Chicago Bears	New England Patriots	
10	San Diego Chargers	Cincinnati Bengals	
11	New York Giants	Arizona Cardinals	
12	New Orleans Saints	Minnesota Vikings	
13	Tampa Bay Buccaneers	Pittsburgh Steelers	
14	Seattle Seahawks	San Francisco 49ers	
15	Atlanta Falcons	New Orleans Saints	
16	Tennessee Titans	Houston Texans	
17	Washington Redskins	Seattle Seahawks	
18	Baltimore Ravens	Jacksonville Jaguars	
19		Baltimore Ravens	
20		Detroit Lions	
21			

To highlight the teams in the first list that are not in the second list, execute the following steps.

1. First, select the range A1:A18 and name it firstList, select the range B1:B20 and name it secondList.
2. Next, select the range A1:A18.
3. On the Home tab, in the Styles group, click Conditional Formatting.



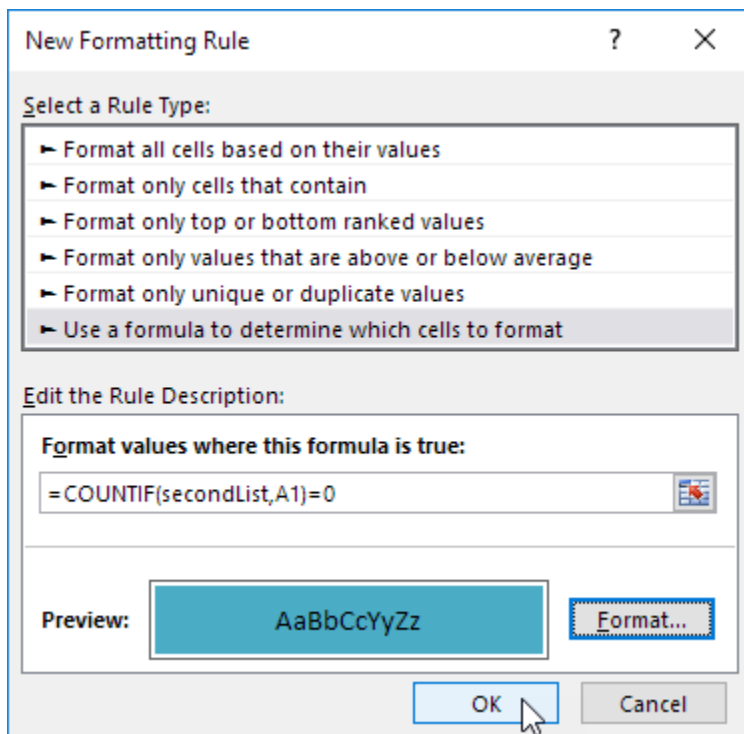
4. Click New Rule.



5. Select 'Use a formula to determine which cells to format'.

6. Enter the formula `=COUNTIF(secondList,A1)=0`

7. Select a formatting style and click OK.



Result. Miami Dolphins and Tennessee Titans are not in the second list.

	A	B	C
1	Miami Dolphins	Atlanta Falcons	
2	Cincinnati Bengals	New York Giants	
3	Detroit Lions	Denver Broncos	
4	San Francisco 49ers	Chicago Bears	
5	Indianapolis Colts	Tampa Bay Buccaneers	
6	New England Patriots	Washington Redskins	
7	Houston Texans	Indianapolis Colts	
8	Jacksonville Jaguars	San Diego Chargers	
9	Chicago Bears	New England Patriots	
10	San Diego Chargers	Cincinnati Bengals	
11	New York Giants	Arizona Cardinals	
12	New Orleans Saints	Minnesota Vikings	
13	Tampa Bay Buccaneers	Pittsburgh Steelers	
14	Seattle Seahawks	San Francisco 49ers	
15	Atlanta Falcons	New Orleans Saints	
16	Tennessee Titans	Houston Texans	
17	Washington Redskins	Seattle Seahawks	
18	Baltimore Ravens	Jacksonville Jaguars	
19		Baltimore Ravens	
20		Detroit Lions	
21			

Explanation: `=COUNTIF(secondList,A1)` counts the number of teams in secondList that are equal to the team in cell A1. If `COUNTIF(secondList,A1) = 0`, the team in cell A1 is not in the second list. As a result, Excel fills the cell with a blue background color. Because we selected the range A1:A18 before we clicked on Conditional Formatting, Excel automatically copies the formula to the other cells. Thus, cell A2 contains the formula `=COUNTIF(secondList,A2)=0`, cell A3 `=COUNTIF(secondList,A3)=0`, etc.

8. To highlight the teams in the second list that are not in the first list, select the range B1:B20, create a new rule using the formula `=COUNTIF(firstList,B1)=0`, and set the format to orange fill.

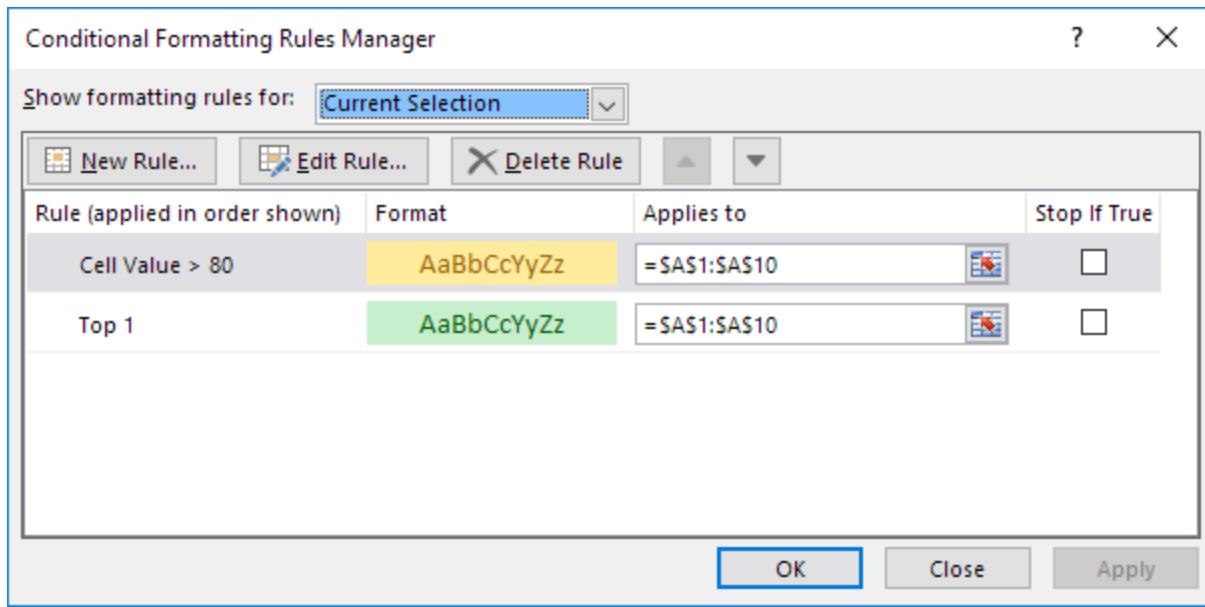
Result. Denver Broncos, Arizona Cardinals, Minnesota Vikings and Pittsburgh Steelers are not in the first list.

	A	B	C
1	Miami Dolphins	Atlanta Falcons	
2	Cincinnati Bengals	New York Giants	
3	Detroit Lions	Denver Broncos	
4	San Francisco 49ers	Chicago Bears	
5	Indianapolis Colts	Tampa Bay Buccaneers	
6	New England Patriots	Washington Redskins	
7	Houston Texans	Indianapolis Colts	
8	Jacksonville Jaguars	San Diego Chargers	
9	Chicago Bears	New England Patriots	
10	San Diego Chargers	Cincinnati Bengals	
11	New York Giants	Arizona Cardinals	
12	New Orleans Saints	Minnesota Vikings	
13	Tampa Bay Buccaneers	Pittsburgh Steelers	
14	Seattle Seahawks	San Francisco 49ers	
15	Atlanta Falcons	New Orleans Saints	
16	Tennessee Titans	Houston Texans	
17	Washington Redskins	Seattle Seahawks	
18	Baltimore Ravens	Jacksonville Jaguars	
19		Baltimore Ravens	
20		Detroit Lions	
21			

Conflicting Rules

Sometimes multiple conditional formatting rules in Excel conflict. A higher rule always wins. This example illustrates two different results.

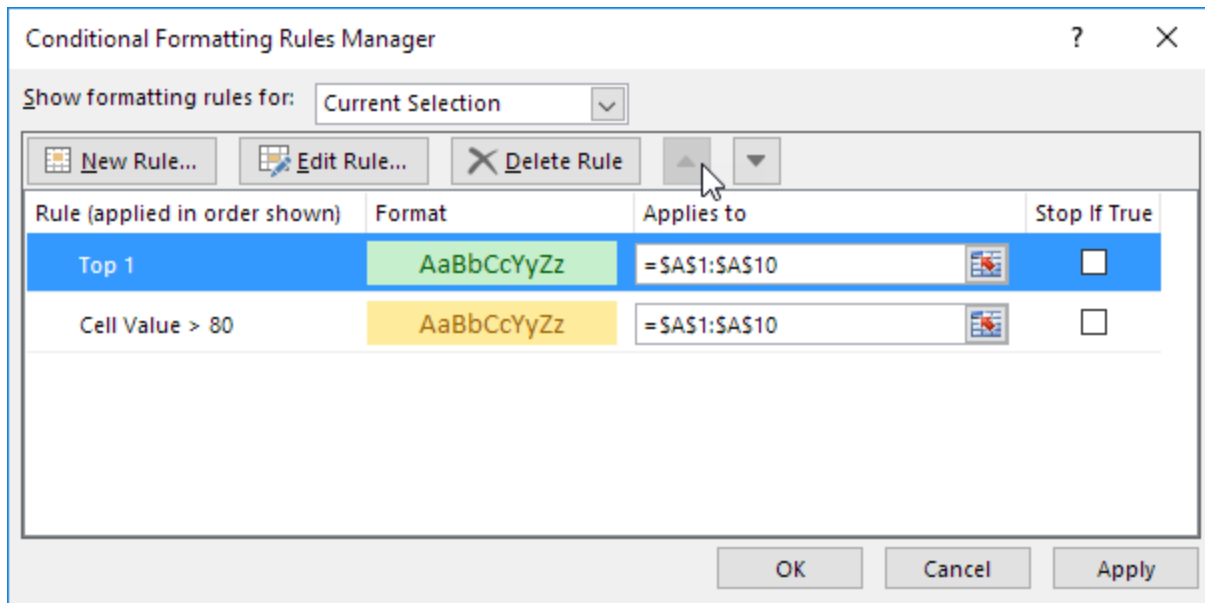
1. The value 95 is higher than 80 but is also the highest value (Top 1). The formats (yellow fill vs green fill and yellow text color vs green text color) conflict. A higher rule always wins. As a result, the value 95 is colored yellow.



Result:

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

2. Move the second rule up. The value 95 is the highest value (Top 1) but is also higher than 80. The formats (green fill vs yellow fill and green text color vs yellow text color) conflict. A higher rule always wins. As a result, the value 95 is colored green.



Result:

	A	B
1	81	
2	6	
3	39	
4	43	
5	2	
6	95	
7	5	
8	11	
9	86	
10	57	
11		

Note: only use the Stop If True check boxes for backwards compatibility with earlier versions of Microsoft Excel.

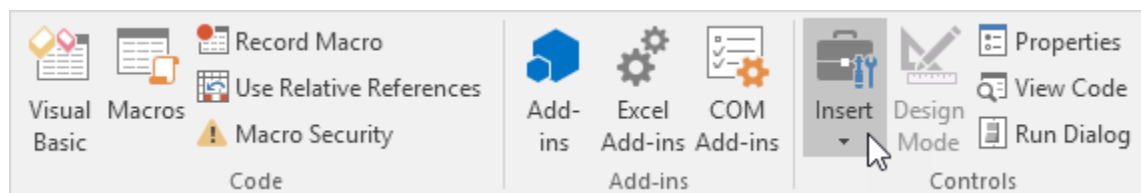
Checklist

This example teaches you how to create a checklist in Excel. First, turn on the [Developer tab](#). Next, you can create a checklist.

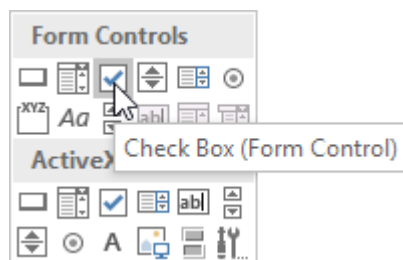
	A	B	D
1	Holiday Checklist		
2	Passport	<input checked="" type="checkbox"/>	
3	Sun cream	<input checked="" type="checkbox"/>	
4	Swimming costume	<input checked="" type="checkbox"/>	
5	Money	<input checked="" type="checkbox"/>	
6	Medication	<input type="checkbox"/>	
7	Camera	<input checked="" type="checkbox"/>	
8	A good book	<input checked="" type="checkbox"/>	
9	Toothbrush	<input type="checkbox"/>	
10	Travel insurance documents	<input checked="" type="checkbox"/>	
11	Mobile phone	<input checked="" type="checkbox"/>	
12			
13	Total items	10	
14	Items packed	8	
15			
16	Am I good to go?	NO	
17			

To create this checklist, execute the following steps.

1. On the [Developer tab](#), in the Controls group, click Insert.



2. Click Check Box in the Form Controls section.



3. Draw a check box in cell B2.

	A	B	C	D
1	Holiday Checklist			
2	Passport	<input type="checkbox"/> Check Box 1		
3	Sun cream			
4	Swimming costume			

4. To remove "Check Box 1", right click the check box, click the text and delete it.

5. Select cell B2.

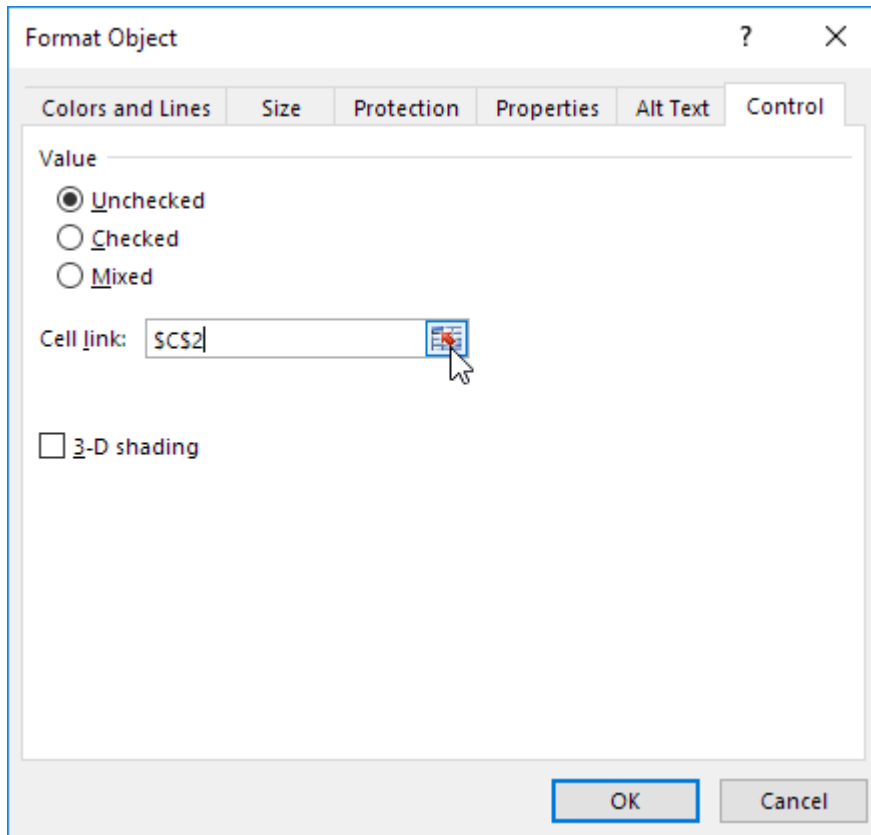
6. Click on the lower right corner of cell B2 and drag it down to cell B11.

	A	B	C	D
1	Holiday Checklist			
2	Passport	<input type="checkbox"/>		
3	Sun cream			
4	Swimming costume			
5	Money			
6	Medication			
7	Camera			
8	A good book			
9	Toothbrush			
10	Travel insurance documents			
11	Mobile phone			
12				

7. Right click the first check box and click Format Control.

	A	B	C	D
1	Holiday Checklist			
2	Passport	<input type="checkbox"/>		
3	Sun cream	<input type="checkbox"/>		
4	Swimming costume	<input type="checkbox"/>		
5	Money	<input type="checkbox"/>		
6	Medication	<input type="checkbox"/>		
7	Camera	<input type="checkbox"/>		
8	A good book	<input type="checkbox"/>		
9	Toothbrush	<input type="checkbox"/>		
10	Travel insurance documents	<input type="checkbox"/>		
11	Mobile phone	<input type="checkbox"/>		
12				

8. Link the check box to the cell next to it (cell C2).



9. Repeat step 8 for the other check boxes.

10. To count the number of items packed, insert a [COUNTIF](#) function into cell B14.

B14 ✕ ✓ <i>fx</i> =COUNTIF(C2:C11,TRUE)				
	A	B	C	D
1	Holiday Checklist			
2	Passport	<input checked="" type="checkbox"/>	TRUE	
3	Sun cream	<input checked="" type="checkbox"/>	TRUE	
4	Swimming costume	<input type="checkbox"/>	FALSE	
5	Money	<input type="checkbox"/>	FALSE	
6	Medication	<input type="checkbox"/>	FALSE	
7	Camera	<input type="checkbox"/>	FALSE	
8	A good book	<input type="checkbox"/>	FALSE	
9	Toothbrush	<input type="checkbox"/>	FALSE	
10	Travel insurance documents	<input type="checkbox"/>	FALSE	
11	Mobile phone	<input type="checkbox"/>	FALSE	
12				
13	Total items	10		
14	Items packed	2		
15				
16	Am I good to go?	NO		
17				

11. [Hide](#) column C.

12. Insert an [IF function](#) into cell B16.

Result:

<div> <div>B16</div> <div>✕ ✓ <i>fx</i></div> <div>=IF(B14=B13,"YES","NO")</div> </div>				
	A	B	D	E
1	Holiday Checklist			
2	Passport	<input checked="" type="checkbox"/>		
3	Sun cream	<input checked="" type="checkbox"/>		
4	Swimming costume	<input checked="" type="checkbox"/>		
5	Money	<input checked="" type="checkbox"/>		
6	Medication	<input checked="" type="checkbox"/>		
7	Camera	<input checked="" type="checkbox"/>		
8	A good book	<input checked="" type="checkbox"/>		
9	Toothbrush	<input checked="" type="checkbox"/>		
10	Travel insurance documents	<input checked="" type="checkbox"/>		
11	Mobile phone	<input checked="" type="checkbox"/>		
12				
13	Total items	10		
14	Items packed	10		
15				
16	Am I good to go?	YES		
17				

Note: we created a [conditional formatting](#) rule to change the background color of cell B16 depending on the cell's value.