Heat Map in Excel

To create a heat map in Excel, simply use conditional formatting. A heat map is a graphical representation of data where individual values are represented as colors.

To create a heat map, execute the following steps.

1. Select the range B3:M11.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Average Monthly Temperatures at Central Park, New York													
2		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
3	2016	34.5	37.7	48.9	53.3	62.8	72.3	78.7	79.2	71.8	58.8	49.8	38.3	
4	2017	38.0	41.6	39.2	57.2	61.1	72.0	76.8	74.0	70.5	64.1	46.6	33.4	
5	2018	31.7	42.0	40.1	49.5	66.9	71.7	77.6	78.1	70.7	57.7	44.4	40.1	
6	2019	32.5	36.2	41.7	55.5	62.2	71.7	79.6	75.5	70.4	59.9	43.9	38.3	
7	2020	39.1	40.1	48.0	50.4	60.3	73.7	80.0	76.9	68.8	57.9	53.0	39.2	
8	2021	34.8	34.2	45.8	54.6	62.9	74.3	76.0	77.5	70.3	62.0	46.2	43.8	
9	2022	30.3	37.3	45.3	52.8	64.0	71.4	79.5	79.3	69.5	56.9	50.9	38.5	
10	2023	43.5	41.1	44.6	57.6	62.7	70.0	79.0	75.0	69.4	60.5	46.7	44.6	
11	2024	37.0	40.1	48.1	55.6	65.0	75.1	79.6	75.1	68.8	60.9	51.4	38.2	
12														

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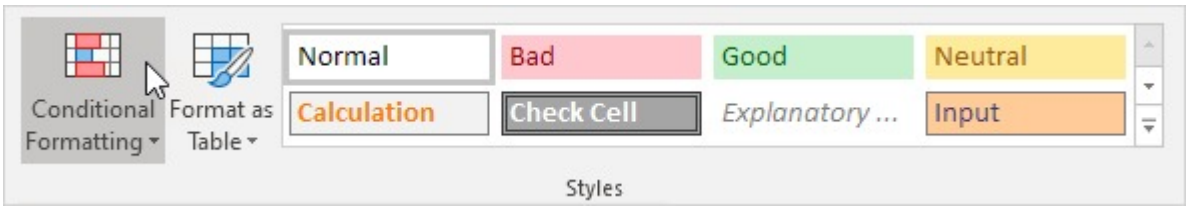
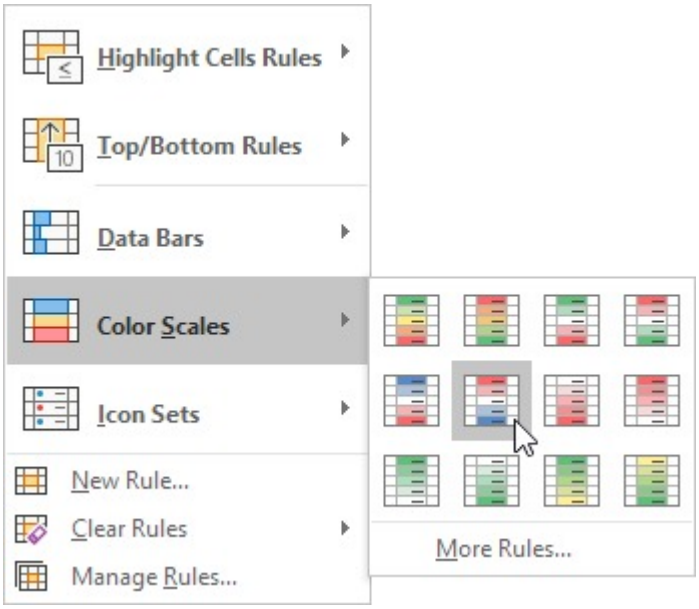
2. On the Home tab, in the Styles group, click Conditional Formatting.



3. Click Color Scales and click a subtype.



Result: a heat map with numbers.

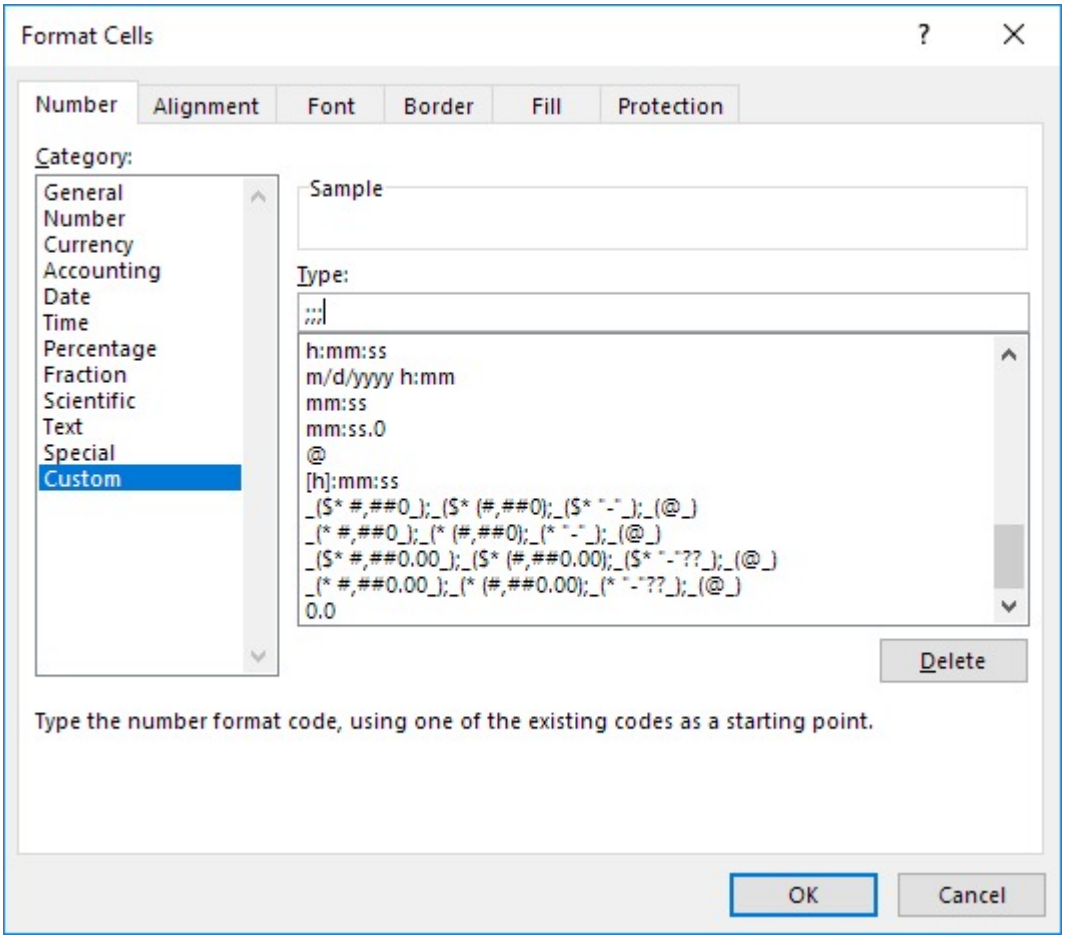
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Average Monthly Temperatures at Central Park, New York													
2		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
3	2016	34.5	37.7	48.9	53.3	62.8	72.3	78.7	79.2	71.8	58.8	49.8	38.3	
4	2017	38.0	41.6	39.2	57.2	61.1	72.0	76.8	74.0	70.5	64.1	46.6	33.4	
5	2018	31.7	42.0	40.1	49.5	66.9	71.7	77.6	78.1	70.7	57.7	44.4	40.1	
6	2019	32.5	36.2	41.7	55.5	62.2	71.7	79.6	75.5	70.4	59.9	43.9	38.3	
7	2020	39.1	40.1	48.0	50.4	60.3	73.7	80.0	76.9	68.8	57.9	53.0	39.2	
8	2021	34.8	34.2	45.8	54.6	62.9	74.3	76.0	77.5	70.3	62.0	46.2	43.8	
9	2022	30.3	37.3	45.3	52.8	64.0	71.4	79.5	79.3	69.5	56.9	50.9	38.5	
10	2023	43.5	41.1	44.6	57.6	62.7	70.0	79.0	75.0	69.4	60.5	46.7	44.6	
11	2024	37.0	40.1	48.1	55.6	65.0	75.1	79.6	75.1	68.8	60.9	51.4	38.2	
12														

4. Select the range B3:M11.

5. Right click, and then click Format Cells (or press CTRL + 1).

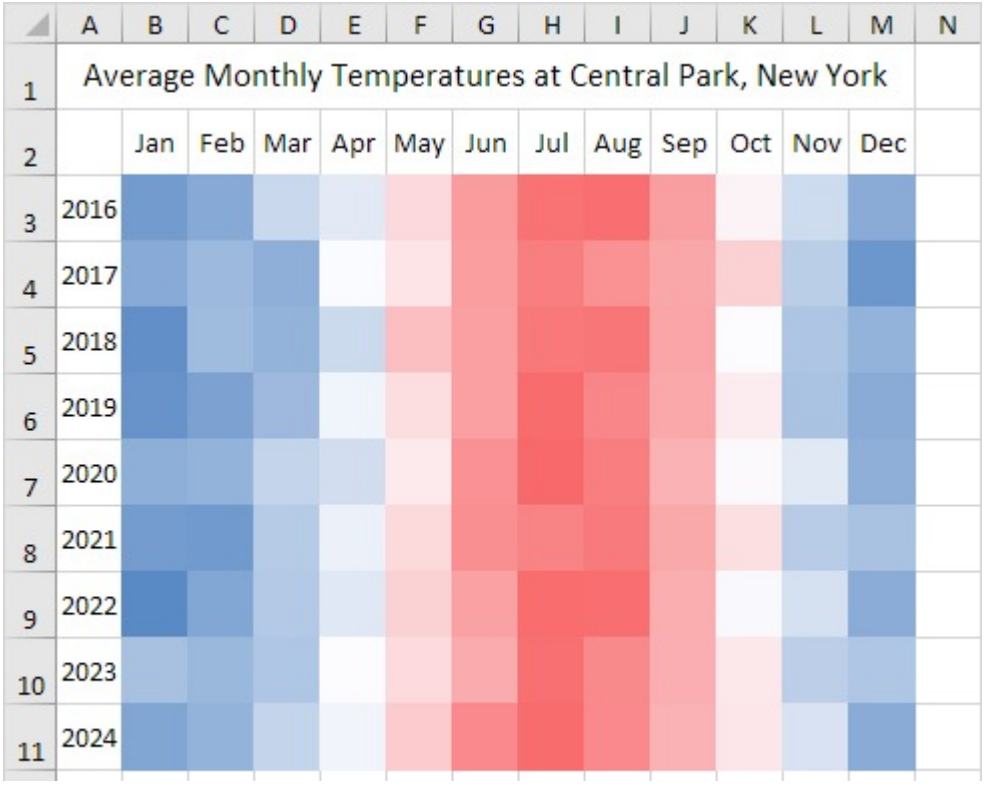
6. Select the Custom category.

7. Type the following number format code: **;;;**



8. Click OK.

Result: a heat map in Excel.



Note: you can clearly see that July 2021 was not so hot in New York, and January 2023 was not so cold in New York.

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