

Heat Map



Timelapse



Step 1: Select Range C4:N13

The screenshot shows the Microsoft Excel interface with the following data table:

Average High Temperature (F)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Anchorage	23	27	34	44	56	63	65	64	55	40	28	25
Boston	36	39	45	56	66	76	81	80	72	61	51	41
Chicago	32	36	46	59	70	81	84	82	75	63	48	36
New York City	39	42	50	60	71	79	85	83	76	65	54	44
Denver	45	46	54	61	72	82	90	88	79	66	52	45
Dallas	57	61	69	77	84	91	95	96	89	80	68	58
Phoenix	67	71	77	85	95	104	106	104	100	89	76	66
Miami	76	78	80	83	87	89	91	91	89	86	82	78
Sydney	75	73	72	66	61	55	49	57	61	64	70	74
Auckland	74	70	68	63	57	49	44	49	55	59	62	64

The range C4:N13 is selected, and a green arrow points to cell C4. The formula bar shows the value 23.

Step 2: Format Table With Conditional Formatting

The screenshot shows the Microsoft Excel interface with a table of average high temperatures. The table is titled "Average High Temperature (F)" and lists temperatures for 12 cities from January to December. The "Conditional Formatting" menu is open, and the "Color Scales" option is highlighted. A green arrow points to the "Conditional Formatting" button in the ribbon.

		Average High Temperature (F)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Anchorage		23	27	34	44	56	63	65	64	55	40	28	25
Boston		36	39	45	56	66	76	81	80	72	61	51	41
Chicago		32	36	46	59	70	81	84	82	75	63	48	36
New York City		39	42	50	60	71	79	85	83	76	65	54	44
Denver		45	46	54	61	72	82	90	88	79	66	52	45
Dallas		57	61	69	77	84	91	95	96	89	80	68	58
Phoenix		67	71	77	85	95	104	106	104	100	89	76	66
Miami		76	78	80	83	87	89	91	91	89	86	82	78
Sydney		75	73	72	66	61	55	49	57	61	64	70	74
Auckland		74	70	68	63	57	49	44	49	55	59	62	64

Conditional Formatting menu options:

- Highlight Cells Rules
- Top/Bottom Rules
- Data Bars
- Color Scales
- Icon Sets
- New Rule...
- Clear Rules
- Manage Rules...
- More Rules...

Step 3: Format 3-Color Scale Style

The screenshot shows an Excel spreadsheet with a heatmap of average high temperatures. The data is as follows:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Anchorage	23	27	34	44	56	63	65	64	55	40
Boston	36	39	45	56	66	76	81	80	72	61
Chicago	32	36	46	59	70	81	84	82	75	63
New York City	39	42	50	60	71	79	85	83	76	65
Denver	45	46	54	61	72	82	90	88	79	66
Dallas	57	61	69	77	84	91	95	96	89	80
Phoenix	67	71	77	85	95	104	106	104	100	89
Miami	76	78	80	83	87	89	91	91	89	86
Sydney	75	73	72	66	61	55	49	57	61	64
Auckland	74	70	68	63	57	49	44	49	55	59

The 'New Formatting Rule' dialog box is open, showing the '3-Color Scale' style selected. The dialog also shows the 'Format all cells based on their values' option selected. The 'Format Style' dropdown is highlighted with a green box, and a green arrow points to it. The 'Preview' section shows a color gradient from red to yellow to green.

Step 4: Change Color To White

The screenshot shows Microsoft Excel with a heat map of average high temperatures. The 'New Formatting Rule' dialog box is open, showing the 'Format all cells based on their values' rule type. The 'Format Style' is set to '3-Color Scale'. The 'Minimum' value is set to 'Lowest Value', the 'Midpoint' is set to 'Percentile' (50), and the 'Maximum' is set to 'Highest Value'. The 'Color' dropdown is currently set to a yellow color, and a green arrow points to it, indicating the next step is to change it to white. The 'Preview' shows a yellow-to-green gradient.

Average High Temperature (F)										
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Anchorage	23	27	34	44	56	63	65	64	55	40
Boston	36	39	45	56	66	76	81	80	72	61
Chicago	32	36	46	59	70	81	84	82	75	63
New York City	39	42	50	60	71	79	85	83	76	65
Denver	45	46	54	61	72	82	90	88	79	66
Dallas	57	61	69	77	84	91	95	96	89	80
Phoenix	67	71	77	85	95	104	106	104	100	89
Miami	76	78	80	83	87	89	91	91	89	86
Sydney	75	73	72	66	61	55	49	57	61	64
Auckland	74	70	68	63	57	49	44	49	55	59

Step 5: Change Color To Red

The screenshot shows the 'New Formatting Rule' dialog box in Microsoft Excel. The dialog is configured as follows:

- Select a Rule Type:** Format all cells based on their values
- Edit the Rule Description:**
 - Format all cells based on their values:**
 - Format Style:** 3-Color Scale
 - Minimum:** Type: Lowest Value, Value: (Lowest value)
 - Midpoint:** Type: Percentile, Value: 50
 - Maximum:** Type: Highest Value, Value: (Highest value)
 - Color:** The color selection dropdown for the maximum value is highlighted with a green box and a green arrow pointing to it, showing a red color.
 - Preview:** A color scale bar transitioning from yellow to red.

The background spreadsheet displays the following data:

		Average High Temperature (F)									
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Anchorage		23	27	34	44	56	63	65	64	55	40
Boston		36	39	45	56	66	76	81	80	72	61
Chicago		32	36	46	59	70	81	84	82	75	63
New York City		39	42	50	60	71	79	85	83	76	65
Denver		45	46	54	61	72	82	90	88	79	66
Dallas		57	61	69	77	84	91	95	96	89	80
Phoenix		67	71	77	85	95	104	106	104	100	89
Miami		76	78	80	83	87	89	91	91	89	86
Sydney		75	73	72	66	61	55	49	57	61	64
Auckland		74	70	68	63	57	49	44	49	55	62

Step 6: Right-Click Range, Format Cells

The screenshot shows the Microsoft Excel interface with a right-click context menu open over a data range. The menu options include Cut, Copy, Paste Options, Smart Lookup, Insert..., Delete..., Clear Contents, Quick Analysis, Filter, Sort, Get Data from Table/Range..., New Comment, New Note, **Format Cells...** (highlighted with a green box and a green arrow), Pick From Drop-down List..., Define Name..., Link, Open Hyperlink, and Link to this Range.

Average High Temperature (F)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Anchorage	23	27	34	44	56	63	65	64	55	40	28	25
Boston	36	39	45	56	66	76	81	80	72	61	51	41
Chicago	32	36	46	59	70	81	84	82	75	63	48	36
New York City	39	42	50	60	71	79	85	83	76	65	54	44
Denver	45	46	54	61	72	82	90	88	79	66	52	45
Dallas	57	61	69	77	84	91	95	96	89	80	68	58
Phoenix	67	71	77	85	95	104	106	104	100	89	76	66
Miami	76	78	80	83	87	89	91	91	89	86	82	78
Sydney	75	73	72	66	61	55	49	57	61	64	70	74
Auckland	74	70	68	63	57	49	44	49	55	59	64	64

Step 7: Select Custom, Type 3 semicolons (;;:), OK

The screenshot shows the Microsoft Excel interface with a heat map of average high temperatures for various cities. The 'Format Cells' dialog box is open, and the 'Custom' option is selected in the 'Category' list. The 'Type' field contains the text ';;:'. A green arrow points to the 'Type' field, and another green box highlights the 'Custom' option in the category list.

		Average High Temperature (F)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4	Anchorage	23	27	34	44	56	63	65	64	55	40	28	25
5	Boston	36	39	45	56	66	76	81	80	72	61	51	41
6	Chicago	32	36	46	59	70	81	84	82	75	63	48	36
7	New York City	39	42	50	60	71	79	85	83	76	65	54	44
8	Denver	45	46	54	61	72	82	90	88	79	66	52	45
9	Dallas	57	61	69	77	84	91	95	96	89	80	68	58
10	Phoenix	67	71	77	85	95	104	106	104	100	89	76	66
11	Miami	76	78	80	83	87	89	91	91	89	86	82	78
12	Sydney	75	73	72	66	61	55	49	57	61	64	70	74
13	Auckland	74	70	68	63	57	49	44	49	55	59	62	64

Format Cells dialog box details:

- Category: Custom
- Type: ;;:

Step 8: Completed

