

Color Theme in Power BI

Version 1.0

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Purpose

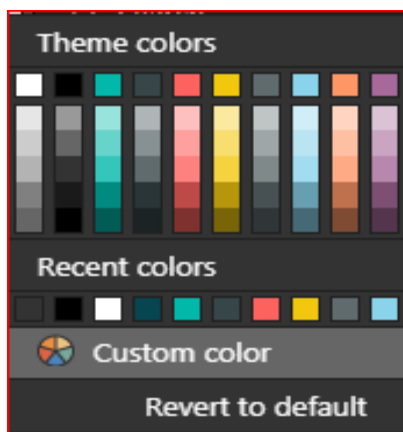
This document covers the concept of “Color Theme” in Power BI. This is high level document assumes resource has basic knowledge of Power BI Concepts.

Introduction of Color Theme: -

As we all know Power BI has been default color palette, but there is one feature available called as “Switch Theme”. By using this, we can change the default color set to customize color palette or can be used published theme by Power BI community form their gallery.

Color is a most powerful and interactive part of data visualization. When we use poorly color combination for data visualization it creates confusion and clutter. To provide the clarity and focus the purpose we need a proper color palette. Power BI is allowing to change the color palette by using hex code. A color palette is simply a collection of colors.

Default color palette in Power BI

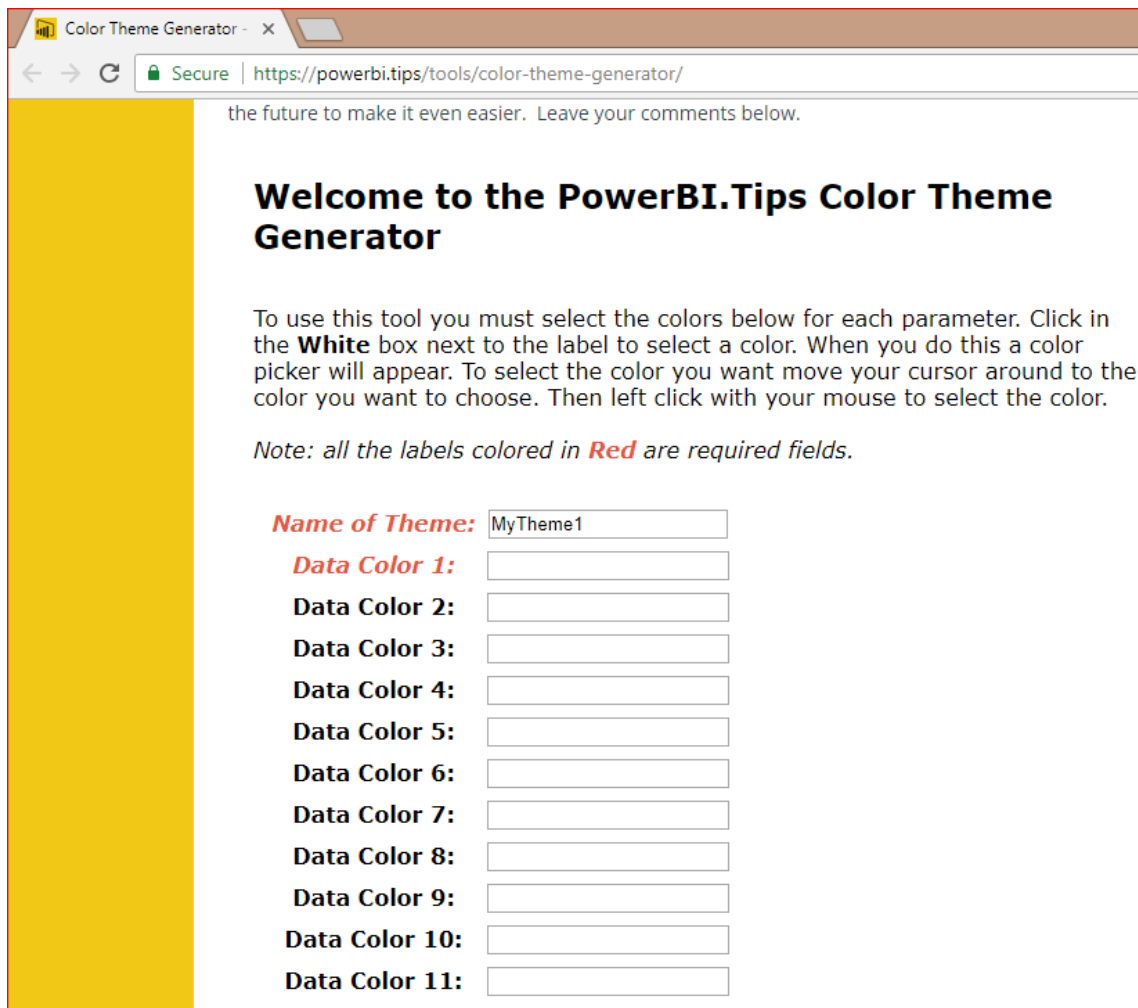


How to create the Hex code for color palette: -

Below are the site's by using the them we can create the hex color code for Power BI.

- ❖ Color Theme Generator from Powerbi.tips - <https://powerbi.tips/tools/color-theme-generator/>
At this website, we can select any color of our choice and create the color palette.
- ❖ Thememaster500 - <http://thememaster500.azurewebsites.net/>
At this website we just need to play with color and it will create palette.
- ❖ Power BI Theme Gallery - https://www.youtube.com/watch?v=ECaa_vgSwTI&feature=youtu.be
At this website, the color themes are already created we just need to select the theme and download it. We can apply the same in Power BI desktop.

1. Click on the hyperlink of 1st website and scroll down the web page. Below image shows the same.



The screenshot shows a web browser window with the title "Color Theme Generator - X". The address bar displays "Secure | https://powerbi.tips/tools/color-theme-generator/". The page content includes a yellow sidebar on the left and a main white area. The main area has a heading "Welcome to the PowerBI.Tips Color Theme Generator" and a paragraph explaining how to use the tool. Below this is a note: "Note: all the labels colored in **Red** are required fields." The form consists of several input fields: "Name of Theme:" (with the value "MyTheme1"), "Data Color 1:" through "Data Color 11:". The labels "Name of Theme:" and "Data Color 1:" are highlighted in red.

the future to make it even easier. Leave your comments below.

Welcome to the PowerBI.Tips Color Theme Generator

To use this tool you must select the colors below for each parameter. Click in the **White** box next to the label to select a color. When you do this a color picker will appear. To select the color you want move your cursor around to the color you want to choose. Then left click with your mouse to select the color.

*Note: all the labels colored in **Red** are required fields.*

Name of Theme:

Data Color 1:

Data Color 2:

Data Color 3:

Data Color 4:

Data Color 5:

Data Color 6:

Data Color 7:

Data Color 8:

Data Color 9:

Data Color 10:

Data Color 11:

2. We can give the theme name under “Name of Theme” text box.

Name of Theme:

3. Now select the colors under “Data color” field. When we click in the text box, automatically it will populate all colors.

*Note: all the labels colored in **Red** are required fields.*

Name of Theme:

Data Color 1:

Data Color 2:

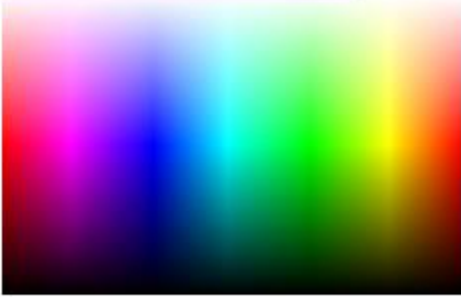
Data Color 3:

Data Color 4:

Data Color 5:

Data Color 6:

Data Color 7:



4. Select any color of our choice, it will show that selected color and its hex code in box.

Name of Theme:

Data Color 1:

Data Color 2:

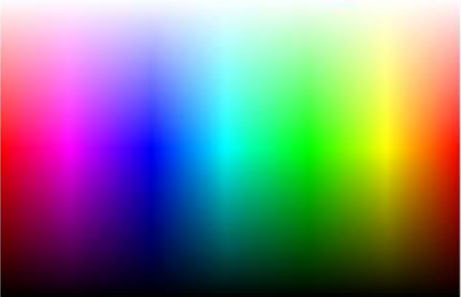
Data Color 3:

Data Color 4:

Data Color 5:

Data Color 6:

Data Color 7:



5. Repeat the same exercise for other “Data Color”.

Name of Theme:	Test_Red
Data Color 1:	#ff9ebe
Data Color 2:	#ff427b
Data Color 3:	#ff2a5d
Data Color 4:	#ff244d
Data Color 5:	#e20037
Data Color 6:	#d80022
Data Color 7:	#c3001f
Data Color 8:	#970032
Data Color 9:	#940013
Data Color 10:	#f01700
Data Color 11:	#ff2213
Data Color 12:	#ff6e49
Background:	#ffe802
Foreground:	#5a9000
TableAccent:	#010086

We can also select the color for report Background, Foreground, Table Accent.

6. At the bottom we can see the “Output” is generated as hex code.

Output:

```
{
  "name": "Test_Red",
  "dataColors": ["#ff9ebe", "#ff427b", "#ff2a5d", "#ff244d", "#e20037",
    "#d80022", "#c3001f", "#970032", "#940013", "#f01700", "#ff2213",
    "#ff6e49"],
  "background": "#ffe802",
  "foreground": "#5a9000",
  "tableAccent": "#010086"
}
```

7. Now click on the “Download Color Theme” option and see .JSON file will be downloaded.

Foreground: #5a9000

TableAccent: #010086

Output:

```
{
  "name": "Test_Red",
  "dataColors": ["#ff9ebe", "#ff427b", "#ff2a5d", "#ff244d", "#e20037",
    "#d80022", "#c3001f", "#970032", "#940013", "#f01700", "#ff2213",
    "#ff6e49"],
  "background": "#ffe802",
  "foreground": "#5a9000",
  "tableAccent": "#010086"
}
```

Download Color Theme

Download Color Theme

February 2018

January 2018

December 2017

November 2017

October 2017

September 2017

August 2017

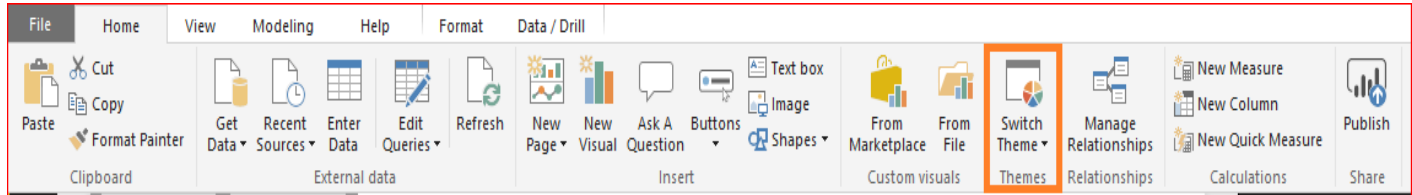
PowerBI-Tips Col...json

Show all

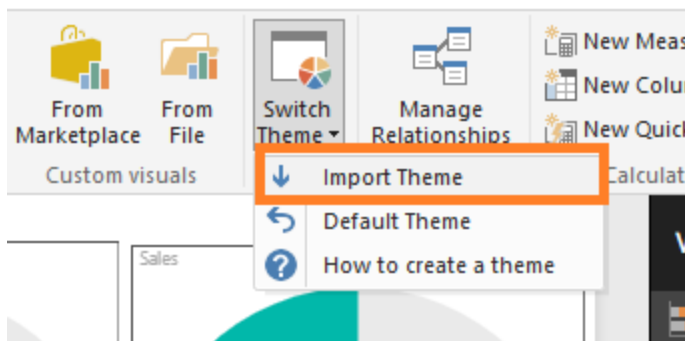
By this way, we can create the Hex code as per our color requirement.

To use the created color palette in Power BI please follow steps: -

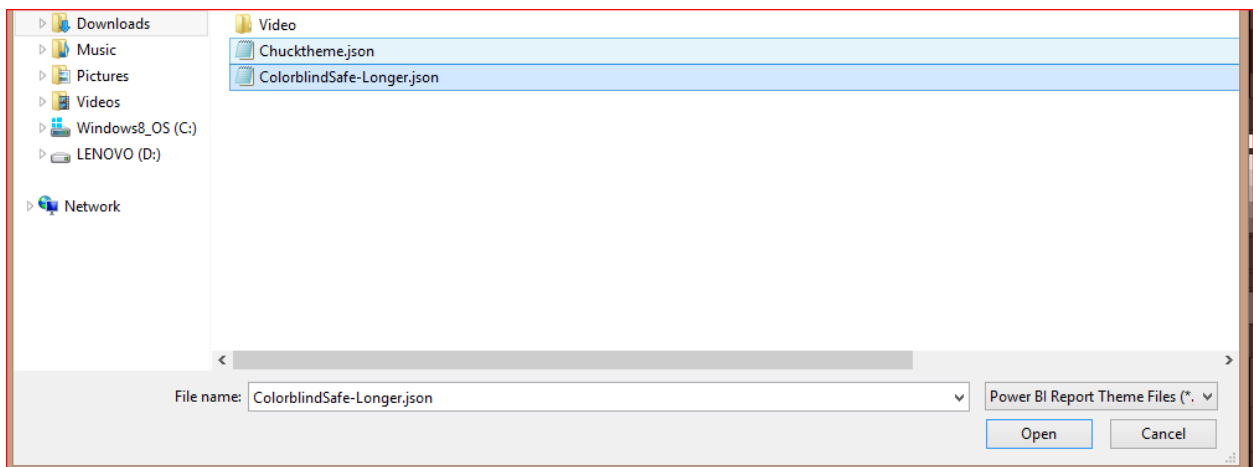
1. Open the report in Power BI Desktop and Click on Home ribbon and see the “Switch theme” option is available.



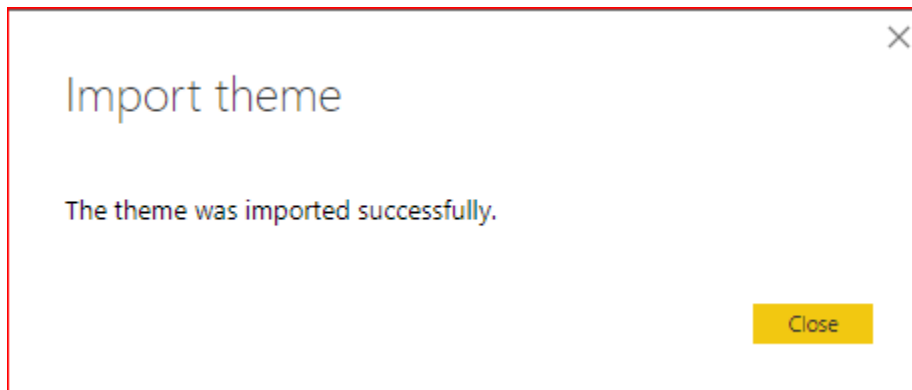
2. Click on the arrow and select “Import theme” option.



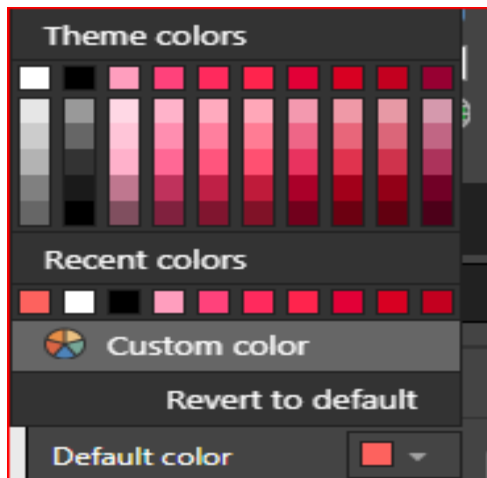
3. Select the desire hex code file and click on “Open” button.



4. After clicking on open button, it will populate the below message.



5. In the result we can see the color palette has been change from default to as per the hex code.



Now we can use this color for data visualization.