Themes

As we know that power bi is a very good visualization tool and it has various types of tools and many custom-made tools to make visualization better similar to that we have some inbuilt themes in power bi where light is the default theme but we can also create our own custom made a theme in power bi.
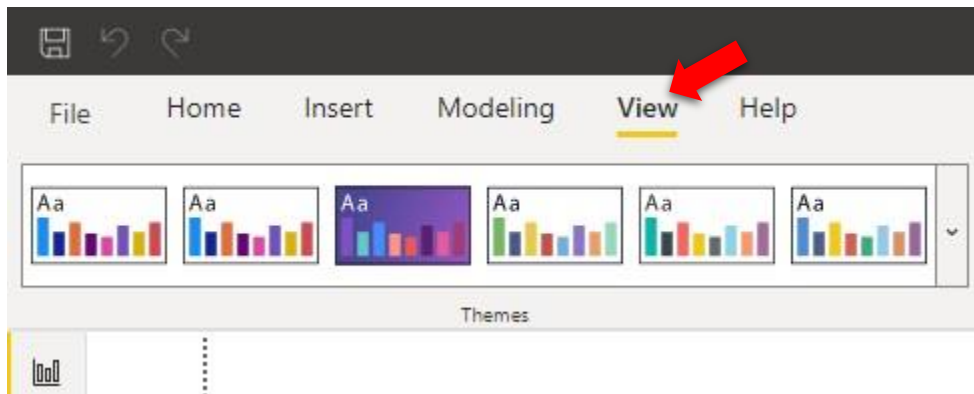
Themes in Power BI

Working with the default theme doesn't make the reporting tool beautiful, but by changing themes we can add more value and eye-catching color to our reporting dashboards on Power BI.

Assume you just bought a brand-new mobile phone from a store and when you open it has all the basic features with it and as the day goes on, we change each feature default thing to our own things as per our liking isn't it?
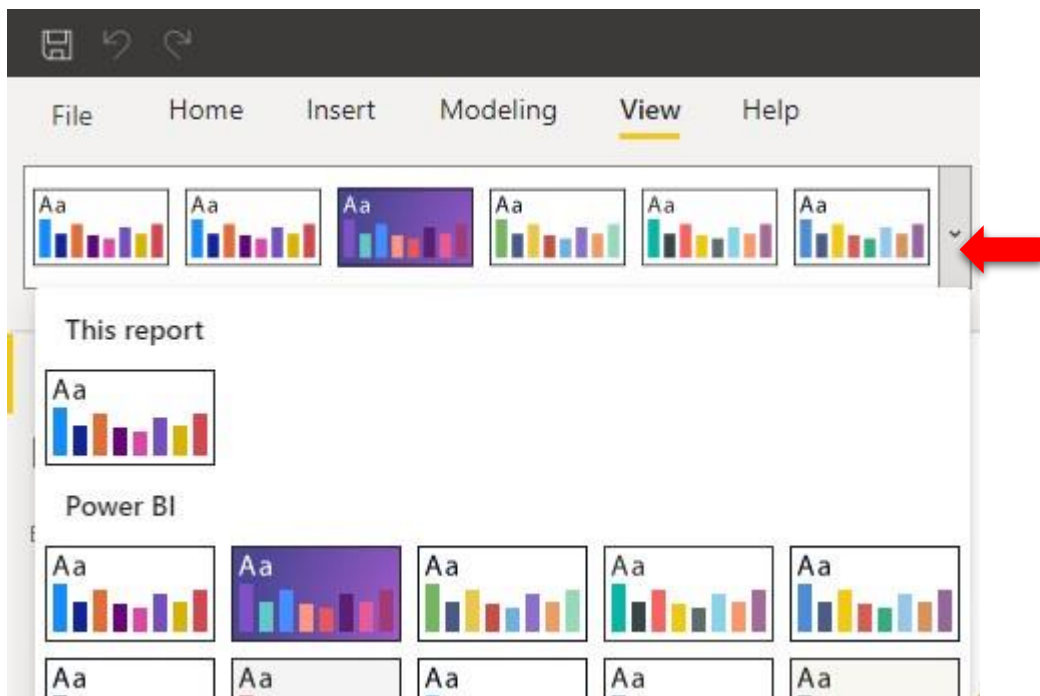

Change Default Theme in Power BI

Changing the default theme isn't the hardest job in the world because it requires simple Power BI window knowledge that's all. Follow the below steps to change the default theme.

Step 1: Open Power BI visualization software. And go to the View tab and find the "Theme" group.

Step 2: From this drop-down list you can see many built-in themes available with your version of Power BI.

- For an example look at the below theme of the dashboard.

- This is the default theme applied when we have created the dashboard, now I am going to apply the "City Park" theme from the Switch Theme drop-down list under more items.

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- And my dashboard changes automatically as follows.

- Below is the preview of the "Twilight" theme impact.

Apart from these, we can build our own theme by using the "JSON" file format. Now we will see the basic level "JSON" coding structure.

How to Design Power BI Themes?

In order to design your own theme, you need JSON coding knowledge, at this point in time, you can download the already built-in JSON files or can create your own files.

Format of JSON Theme

```
{

"name":

"dataColors"

"background"

"foreground"

"tableAccent"

}
```

Name: The first thing we can notice with any JSON file is the name of the theme which is a mandatory field in the JSON file.

Data Colors: This one requires color codes for data. You need to learn about hex color codes to be used in the JSON file. Like this we can give hex color codes to design your Power BI report theme, this includes "Back Ground Color, Fore Ground Color, and Table Accent Color".

- Now below is the JSON file code I am using to import as a custom theme file for my above-shown dashboard.

Code:

```
{

"name":"Waveform12",
```

```
"dataColors":["#31b6fd", "#4584d3", "#5bd078", "#a5d028", "#f5c040", "#05e0db",
"#3153fd", "#4c45d3", "#5bd0b0", "#54d028", "#d0f540", "#057be0"],

"background":"#ffffff",

"foreground":"#4584d3",

"tableAccent":"#31b6fd"

}
```
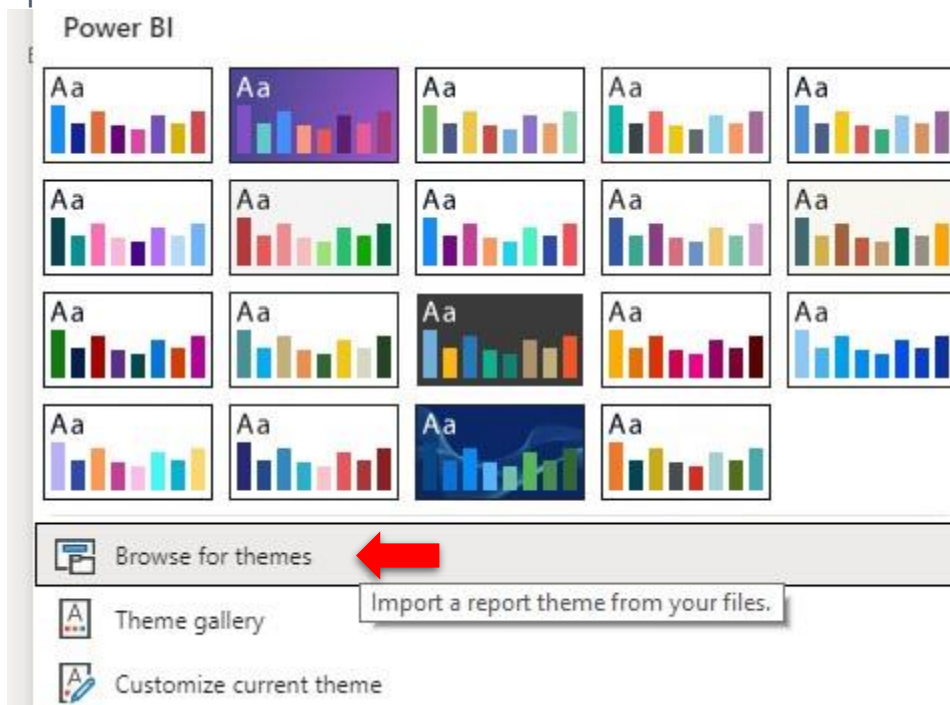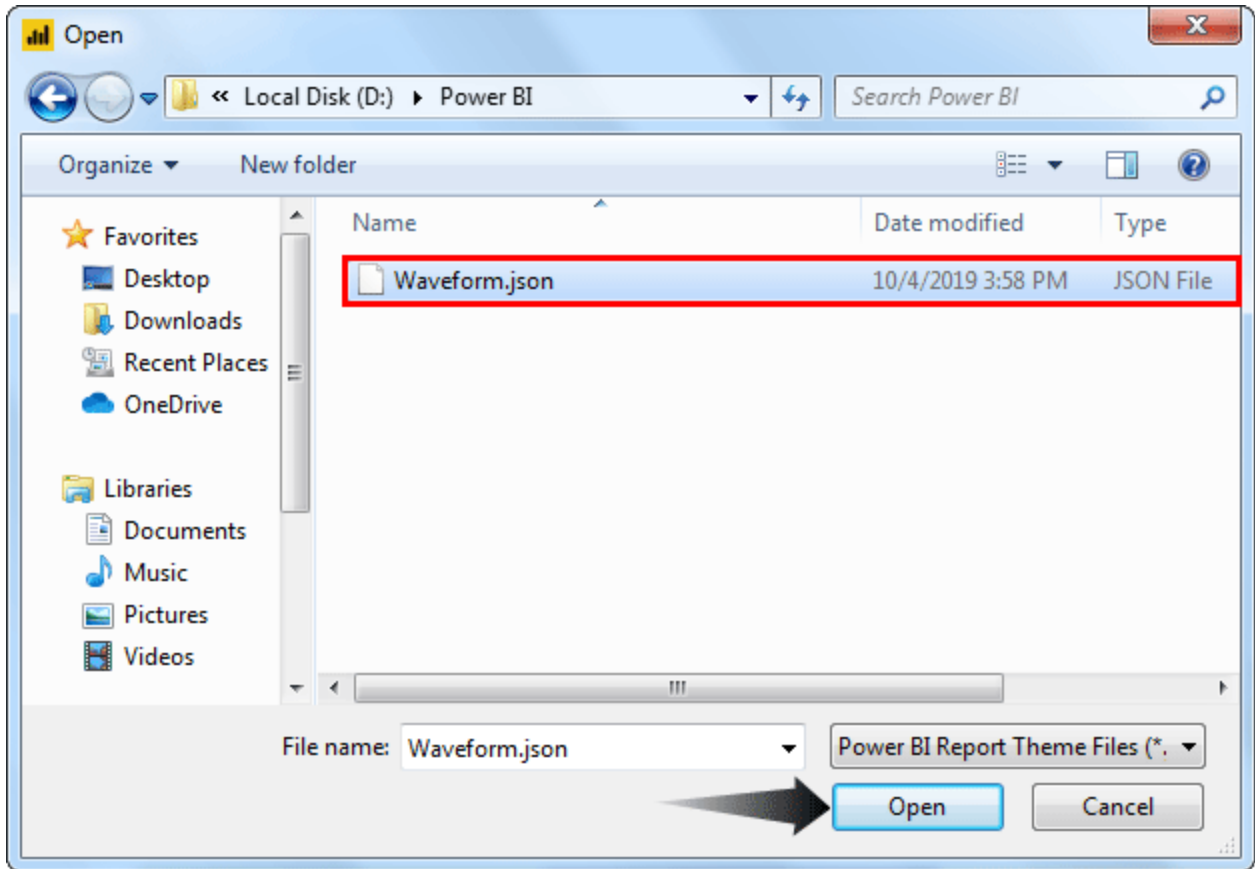
Copy the code and save it as "Note Pad" file on your computer hard disk with .json extension.

- Now come back to the dashboard window and click on the **"Switch Theme"** option from this drop-down list to choose the "Import Theme" option.

- Now this will open up the JSON file choosing window, from this window choose the saved file from the folder where you have saved the JSON code as given above. And click on "Open".

- Then your Power BI should show a message as "Theme was imported successfully". And click on Close.

Import theme

The theme was imported successfully.

Close

- Your dashboard has the immediate impact with the mentioned data colors as mentioned in the JSON file hex color codes.

The above dashboard has a completely new look because of the newly designed Json them file.
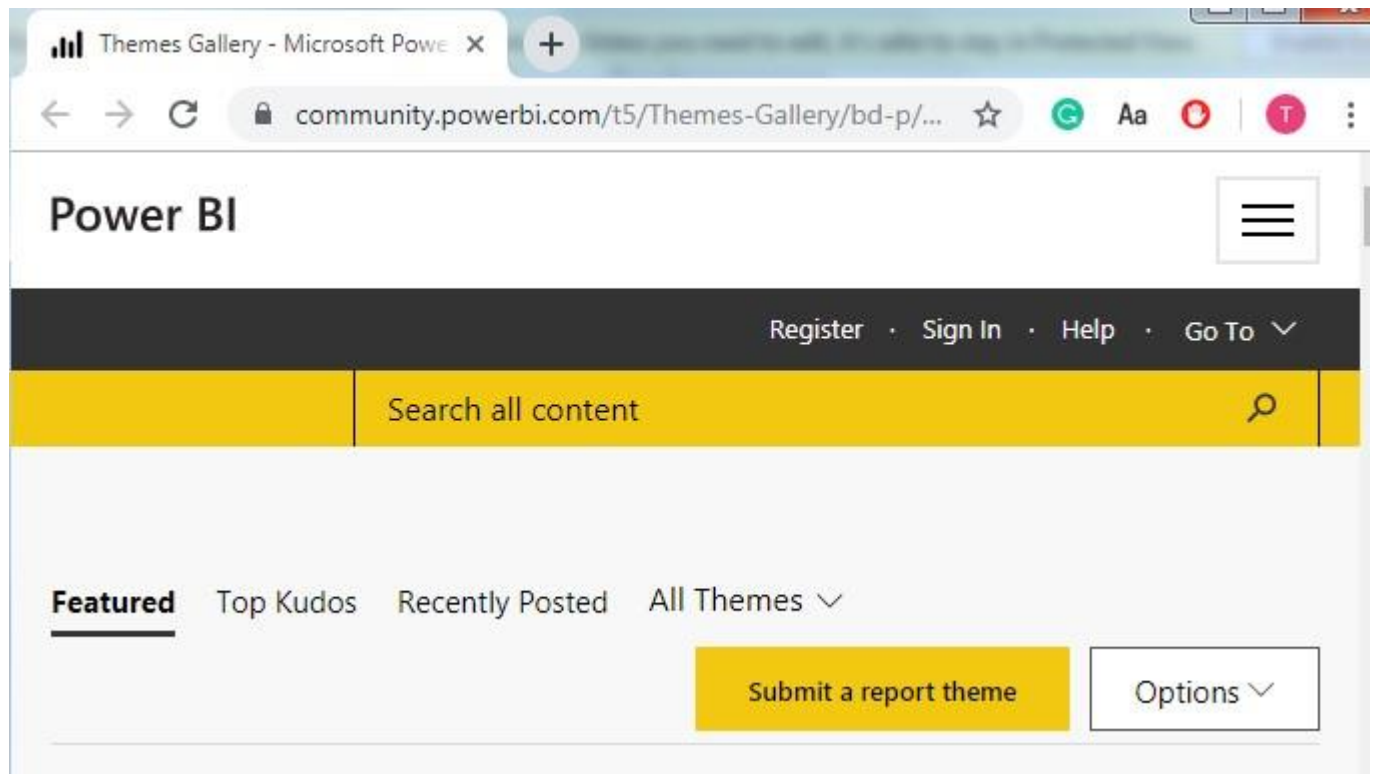
Import Live Theme Json Codes from Online Power BI Store

One more interesting thing you can do with the custom theme is you can search on the Microsoft website and import new theme files from the online.

- For this click on the "Theme Gallery" option under the "Switch Theme" drop-down list of power bi.
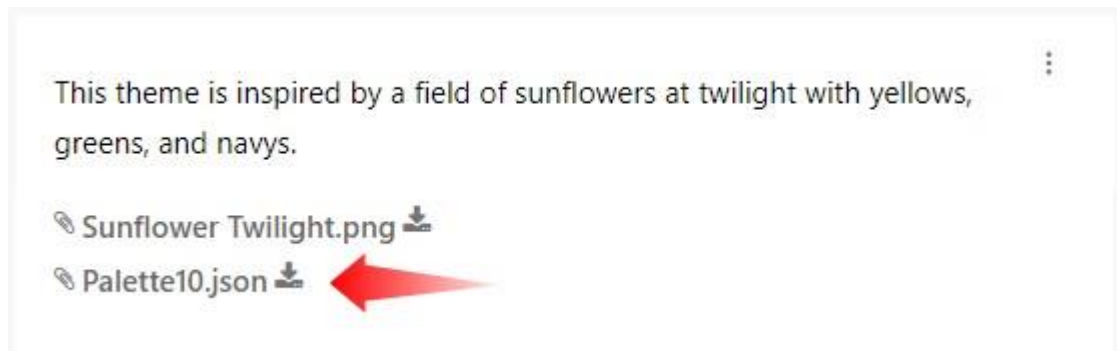
- This will take you to below web page.

- From the above window, you can click on any of the themes and download the JSON file. I have clicked on "Sunflower Twilight", for this I can see the preview as shown below.

- Scroll down and click on the "JSON" file to download the JSON file.

Once the file downloaded as usually "Import" the JSON theme file to power bi and immediately your dashboard will change as per the JSON file code.

Things to Remember

- Power BI by default uses the default theme as mentioned by the product development team.
- By writing JSON codes you can change the theme.
- You can find many themes of JSON codes on the Microsoft website.