**TABLEAU HOME WORK:**

1. **Install Tableau Desktop as per instructions given previously.**
2. **Open an account with DataCamp and learn Tableau free** [**https://app.datacamp.com/learn/courses/introduction-to-tableau**](https://app.datacamp.com/learn/courses/introduction-to-tableau)
3. **Load in Tableau the spreadsheet for “vaccinations-by-manufacturer-updated.xslx” as available under TABLEAU CONTENTS directory in Blackboard.**
4. **Alternatively, you can use the spreadsheet “vaccination-data-WHO-12-28-2022.xlsx” as available under TABLEAU CONTENTS directory in Blackboard.**
5. **Analyze the data and generate bubble chart.**
6. **Change the color scheme of the bubble chart using the three different color palettes for the three types of color blindness.**
7. **Fill the blank columns of the same spreadsheet with derived data that includes vaccine efficacy data.**
8. **Repeat steps 3, 4, 5.**
9. **NOTE: It’s likely that you’ll have to add custom color palettes to Tableau (**[**Create Custom Color Palettes - Tableau**](https://help.tableau.com/current/pro/desktop/en-us/formatting_create_custom_colors.htm)**) if the desired palettes are not readily available.**

**For creating custom Color Blind palettes color blind palettes in Tableau use the following:**

Create Custom Color Palettes

*Applies to: Tableau Desktop*

Tableau Desktop comes with color palettes that have been carefully designed to work well together and effectively apply color to data in many situations, such as on maps, heatmaps, bar charts, etc. You can also create and use your own custom color palettes by modifying the **Preferences.tps** file that comes with Tableau Desktop. For example, you can create a custom categorical palette that matches your company's brand.

About the preferences file

You can add as many custom palettes as you like to your **Preferences.tps** file, each with as many colors as you want. Although there isn’t a limit to how many colors can be added to each custom palette, the Edit colors dialog box only shows 20 colors. If you need to manually assign more than 20 colors to data items, you may want to create several custom palettes with 20 or fewer colors in each palette.

When you modify **Preferences.tps** to add colors, use the standard HTML format for the new colors (hexadecimal value #RRGGBB or Red Green Blue format). When you save the workbook and restart Tableau Desktop, the color palette names you added to **Preferences.tps** appear in the **Select Color Palette** drop-down list (Edit Color dialog). You can use a new palette like you would any other.

Tableau doesn't test or support custom color palettes, so be sure to back up your workbooks before you continue. Also, there is no guarantee that custom color palettes you create will work with future Tableau Desktop upgrades.

Note: When you edit your **Preferences.tps** file, be sure to use straight quotation marks (' ' or " ") to delimit the palette name and type, not curly quotation marks (“ ” or ‘ ’).

Edit the preferences file

The **Preferences.tps** file is located in your My Tableau Repository. The file is a basic XML file that you can open in a text editor to modify. An unedited preferences file looks like this:

Graphical user interface, application

Description automatically generated

**To edit your preferences file:**

1. Go to the My Tableau Repository folder in your Documents directory, and open the **Preferences.tps** file.
2. Between the opening and closing workbook tags, insert opening and closing preferences tags so that it looks like this:

<?xml version='1.0'?>  
<workbook>  
<preferences>  
</preferences>  
</workbook>

1. Follow one of the next three procedures to create a custom color palette.

Create custom color palettes

Create a custom categorical color palette

Create a custom sequential color palette

Create a custom diverging color palette

(Optional): Assign a default custom palette to dimensions and measures and publish as a data source

Use discontinued (classic) color palettes

In version 10.0, Tableau created new color palettes, updated some existing ones (such as Tableau 10 and Tableau 20), and discontinued others. If you want to keep using a color palette that was discontinued, you can edit your **Preferences.tps** file to add the hex values for the palette. You can add as many color palettes as you like. See [Hex values for discontinued color palettes](https://help.tableau.com/current/pro/desktop/en-us/formatting_create_custom_colors.htm#Version_9.x_(legacy)_color_palette_hex_values) and [Restore a discontinued (classic) palette](https://help.tableau.com/current/pro/desktop/en-us/formatting_create_custom_colors.htm#Restore_a_discontinued_(classic)_palette) for details.

Hex values for discontinued colorblind color palette. Note that It is not properly classified by blindness type. It’s a generic palette and is of low value. Here it is shown for reference purpose.

The table below lists discontinued color palettes, along with the XML code and hex values you can use in your **Preferences.tps** file to restore them. If you use the code as-is, palette names will start with **Classic** to indicate that they're from version 9.3 and earlier. In many cases, there are updated versions of color palettes that have been discontinued. See the "Details" column for specifics.

|  |  |  |
| --- | --- | --- |
| Version 9.x palette name | Details | Version 9.x HEX Values |
| Color Blind 10 | Discontinued.  Check out **Color Blind** in 10.0 and higher for the updated version of this palette. | <color-palette name="Classic Color Blind" type="regular"> <color>#cfcfcf</color> <color>#ffbc79</color> <color>#a2c8ec</color> <color>#898989</color> <color>#c85200</color> <color>#5f9ed1</color> <color>#595959</color> <color>#ababab</color> <color>#ff800e</color> <color>#006ba4</color> </color-palette> |

CREATE A CUSTOM PALETTE

1. Go to the My Tableau Repository folder in your Documents directory, and open the **Preferences.tps** file.
2. Between the opening and closing workbook tags, insert opening and closing preferences tags.

<? xml version='1.0'?>  
<workbook>  
<preferences>  
</preferences>  
</workbook>

1. In the **Preferences.tps** file, between the "preferences" tags, paste the XML code for the new custom palette (see [Hex values for discontinued color palettes](https://help.tableau.com/current/pro/desktop/en-us/formatting_create_custom_colors.htm#Version_9.x_(legacy)_color_palette_hex_values)). For example:

<color-palette name**="<INSERT YOUR CUSTOM NAME>"** type="regular"  
<color>#f4737a</color> <color>#bd0a36</color> <color>#ddc9b4</color> <color>#ac8763</color> <color>#b5dffd</color> <color>#6ba3d6</color> <color>#e9c39b</color> <color>#ac613c</color> <color>#ffb6b0</color> <color>#f02720</color> <color>#b5c8e2</color> <color>#2c69b0</color>  
</color-palette>

Use straight quotation marks (as in' ' or " "), not curly quotation marks, to delimit the palette's name and type.

The HEX value for the normal and different color blind palettes are given below.

1. Save the **Preferences.tps**file and then restart Tableau Desktop.

When you open the Edit Colors dialog box and choose **Select Color Palette**, the color palette you added will be at the bottom of the palette list.

**Printable RGB and Hex Color Code Reference Chart**

* RGB Values: Usually given in the 0 to 255 range; if they are in the 0 to 1 range, the values are then multiplied by 255 before conversion.
* Hex triplet: A hex triplet is a six-digit, three-byte hexadecimal number used in HTML, CSS, SVG, and other computing applications to represent colors.

|  |  |  |  |
| --- | --- | --- | --- |
| Hex Code Color Transformations | | | |
| Normal | Protanopia | Deutanopia | Tritanoptia |
| ffffff | fffafa | ffe8ef | f4f0ff |
|  |  |  |  |
| ffffcc | fff2c8 | ffdfc8 | Fdefff |
|  |  |  |  |
| ffff99 | ffeda2 | ffdaad | ffeaf9 |
|  |  |  |  |
| ffff66 | ffea86 | ffd79d | ffe6f5 |
|  |  |  |  |
| ffff33 | ffe975 | ffd594 | ffe5f3 |
|  |  |  |  |
| ffff00 | ffe871 | ffd592 | ffe4f2 |
|  |  |  |  |
| ffccff | cfd7ff | e1d8fd | fbd1e1 |
|  |  |  |  |
| ffcccc | ded8d2 | f1d2cb | ffcad8 |
|  |  |  |  |
| ffcc99 | e5d69d | fccd99 | ffc4d1 |
|  |  |  |  |
| ffcc66 | e9d469 | ffca6f | ffc0cd |
|  |  |  |  |
| ffcc33 | ecd435 | ffc857 | ffbfca |
|  |  |  |  |
| ffcc00 | ecd30f | ffc750 | ffbeca |
|  |  |  |  |
| ff99ff | aabdff | b0bcf9 | f6a9b5 |
|  |  |  |  |
| ff99cc | b1b8e0 | c5b5c7 | fc9faa |
|  |  |  |  |
| ff9999 | bdb6a8 | d2b095 | ff99a2 |
|  |  |  |  |
| ff9966 | c4b470 | daac62 | ff959e |
|  |  |  |  |
| ff9933 | c7b43a | deab2a | ff949d |
|  |  |  |  |
| ff9900 | c8b317 | dfaa00 | ff949c |
|  |  |  |  |
| ff66ff | 98b2ff | 85a7f5 | f28791 |
|  |  |  |  |
| ff66cc | 82a0f6 | a09fc3 | f87981 |
|  |  |  |  |
| ff6699 | 999db9 | b19992 | fd6e74 |
|  |  |  |  |
| ff6666 | a59b7c | bb955e | ff666c |
|  |  |  |  |
| ff6633 | aa9a42 | bf9322 | ff656a |
|  |  |  |  |
| ff6600 | ac9a1e | c09300 | ff6569 |
|  |  |  |  |
| ff33ff | 96b1ff | 679bf2 | f07178 |
|  |  |  |  |
| ff33cc | 779dff | 8a92c1 | f75e63 |
|  |  |  |  |
| ff3399 | 7a8ece | 9d8b8f | fb4c4f |
|  |  |  |  |
| ff3366 | 8f8c8b | a7875c | fe3d3e |
|  |  |  |  |
| ff3333 | 988b4a | ad841c | ff3332 |
|  |  |  |  |
| ff3300 | 9a8b23 | ae8600 | ff3331 |
|  |  |  |  |
| ff00ff | 96b1ff | 5e98f1 | f06a71 |
|  |  |  |  |
| ff00cc | 7ba0ff | 838fc0 | f6555a |
|  |  |  |  |
| ff0099 | 6e89d7 | 97888e | fa4042 |
|  |  |  |  |
| ff0066 | 888892 | a2835b | fd2b28 |
|  |  |  |  |
| ff0033 | 93874e | a8801a | fe1a00 |
|  |  |  |  |
| ff0000 | 968726 | a98200 | fe1c00 |
|  |  |  |  |
| ccffff | f8f4f8 | ffeafd | cbefff |
|  |  |  |  |
| ccffcc | fff1c5 | ffdecc | d3efff |
|  |  |  |  |
| ccff99 | ffeb97 | ffd8ab | d9eeff |
|  |  |  |  |
| ccff66 | ffe873 | ffd497 | ddeeff |
|  |  |  |  |
| ccff33 | ffe75c | ffd38c | e0eeff |
|  |  |  |  |
| ccff00 | ffe655 | ffd389 | e0eeff |
|  |  |  |  |
| ccccff | c4ceff | cbccff | c6d1e1 |
|  |  |  |  |
| cccccc | cfcbcb | dec6cd | cecad9 |
|  |  |  |  |
| cccc99 | d7c997 | eac19b | d3c4d3 |
|  |  |  |  |
| cccc66 | dbc764 | f1be6a | d7c1cf |
|  |  |  |  |
| cccc33 | ddc631 | f5bc3b | d8bfcd |
|  |  |  |  |
| cccc00 | ddc600 | f6c600 | d9becc |
|  |  |  |  |
| cc99ff | 98b1ff | 8faefb | bfa9b6 |
|  |  |  |  |
| cc99cc | 9ea8d7 | aaa7c9 | c79fab |
|  |  |  |  |
| cc9999 | aaa5a0 | baa198 | cd98a2 |
|  |  |  |  |
| cc9966 | b1a46a | c49d65 | d0929d |
|  |  |  |  |
| cc9933 | b5a336 | c99b32 | d2909a |
|  |  |  |  |
| cc9900 | b5a20e | ca9a00 | d38f99 |
|  |  |  |  |
| cc66ff | 87a7ff | 4c97f6 | bb8791 |
|  |  |  |  |
| cc66cc | 648ceb | 7b8dc5 | c37982 |
|  |  |  |  |
| cc6699 | 7f88af | 918694 | c96e75 |
|  |  |  |  |
| cc6666 | 8c8675 | 9e8161 | cc656c |
|  |  |  |  |
| cc6633 | 92853c | a47e2b | ce6067 |
|  |  |  |  |
| cc6600 | 948415 | a67f00 | cf5f65 |
|  |  |  |  |
| cc33ff | 8aaaff | 008def | b87178 |
|  |  |  |  |
| cc33cc | 4387ff | 577ec2 | c15e64 |
|  |  |  |  |
| cc3399 | 5275c8 | 767591 | c64c50 |
|  |  |  |  |
| cc3366 | 707387 | 856f5f | ca3d3f |
|  |  |  |  |
| cc3333 | 7b7146 | 8c6c27 | cc3334 |
|  |  |  |  |
| cc3300 | 7e711b | 8f6d00 | cc3030 |
|  |  |  |  |
| cc00ff | 8cabff | 008cec | b76a71 |
|  |  |  |  |
| cc00cc | 5d91ff | 4b7ac0 | c0555a |
|  |  |  |  |
| cc0099 | 356fd5 | 6e7190 | c64043 |
|  |  |  |  |
| cc0066 | 646d90 | 7e6a5e | ca2b2b |
|  |  |  |  |
| cc0033 | 746c4c | 856726 | cb170b |
|  |  |  |  |
| cc0000 | 786c1e | 886900 | cc1600 |
|  |  |  |  |
| 99ffff | efecf4 | f4e4ff | a6efff |
|  |  |  |  |
| 99ffcc | f7e9c1 | ffddd0 | acefff |
|  |  |  |  |
| 99ff99 | fbe790 | ffd6a9 | b0eeff |
|  |  |  |  |
| 99ff66 | fee65e | ffd291 | b4eeff |
|  |  |  |  |
| 99ff33 | ffe532 | ffd184 | b5edff |
|  |  |  |  |
| 99ff00 | ffe41c | ffd080 | b6edff |
|  |  |  |  |
| 99ccff | b9c5fa | b9c4ff | 91d1e1 |
|  |  |  |  |
| 99cccc | c4c1c6 | cebdcf | 9ccad9 |
|  |  |  |  |
| 99cc99 | cbbf93 | dbb89d | a3c4d3 |
|  |  |  |  |
| 99cc66 | cfbd61 | e4b56c | a8c1cf |
|  |  |  |  |
| 99cc33 | d1bc2f | e8b33f | aabfcd |
|  |  |  |  |
| 99cc00 | d2bc00 | e9b22a | abbecd |
|  |  |  |  |
| 9999ff | 83a4ff | 6fa4fd | 86a9b6 |
|  |  |  |  |
| 9999cc | 8f9cce | 929bcc | 929fab |
|  |  |  |  |
| 999999 | 9b9899 | a6949a | 9a97a3 |
|  |  |  |  |
| 999966 | a29665 | b29068 | 9f929d |
|  |  |  |  |
| 999933 | a59532 | b78e37 | a2909a |
|  |  |  |  |
| 999900 | a69500 | a69500 | a28f99 |
|  |  |  |  |
| 9966ff | 709bff | 0090f3 | 7e8791 |
|  |  |  |  |
| 9966cc | 497bdf | 507fc7 | 8c7982 |
|  |  |  |  |
| 996699 | 6a77a5 | 737696 | 946d75 |
|  |  |  |  |
| 996666 | 78746d | 847064 | 9a656c |
|  |  |  |  |
| 996633 | 7e7237 | 8c6d31 | 9c6067 |
|  |  |  |  |
| 996600 | 7f720d | 8e6c00 | 9d5f66 |
|  |  |  |  |
| 9933ff | 7da2ff | 008de8 | 7a7078 |
|  |  |  |  |
| 9933cc | 007af6 | 0073c2 | 885d64 |
|  |  |  |  |
| 993399 | 005ebf | 496192 | 914c51 |
|  |  |  |  |
| 993366 | 505b80 | 625961 | 963d40 |
|  |  |  |  |
| 993333 | 5f5941 | 6c552d | 993335 |
|  |  |  |  |
| 993300 | 635913 | 705600 | 9a3032 |
|  |  |  |  |
| 9900ff | 83a6ff | 008ce5 | 796a71 |
|  |  |  |  |
| 9900cc | 2782ff | 0073c0 | 87555b |
|  |  |  |  |
| 990099 | 0067d0 | 385b90 | 904044 |
|  |  |  |  |
| 990066 | 39538f | 57535f | 962b2c |
|  |  |  |  |
| 990033 | 55514a | 634e2c | 981612 |
|  |  |  |  |
| 990000 | 5a5117 | 674f00 | 991100 |
|  |  |  |  |
| 66ffff | eae7f0 | ebdfff | 88efff |
|  |  |  |  |
| 66ffcc | f1e4bf | ffddd3 | 8befff |
|  |  |  |  |
| 66ff99 | f6e28d | ffd5a7 | 8eeeff |
|  |  |  |  |
| 66ff66 | f8e15d | ffd08b | 90eeff |
|  |  |  |  |
| 66ff33 | fae02a | ffcf7c | 92edff |
|  |  |  |  |
| 66ff00 | fae000 | ffce79 | 92edff |
|  |  |  |  |
| 66ccff | b2bef5 | adbeff | 57d1e1 |
|  |  |  |  |
| 66cccc | bdbbc1 | c3b7d1 | 6bcad9 |
|  |  |  |  |
| 66cc99 | c4b88f | d2b29f | 77c4d3 |
|  |  |  |  |
| 66cc66 | c8b65e | daae6e | 7ec1cf |
|  |  |  |  |
| 66cc33 | cab52d | dfac42 | 81bfcd |
|  |  |  |  |
| 66cc00 | cab500 | e0ac2e | 82becd |
|  |  |  |  |
| 6699ff | 6e98fe | 519cfe | 3ea9b6 |
|  |  |  |  |
| 6699cc | 8593c7 | 8093cd | 5a9fab |
|  |  |  |  |
| 669999 | 918f93 | 978c9c | 6997a3 |
|  |  |  |  |
| 669966 | 988c61 | a4876a | 71929d |
|  |  |  |  |
| 669933 | 9b8b2f | aa853b | 74909a |
|  |  |  |  |
| 669900 | 9b8b00 | ac8421 | 758f9a |
|  |  |  |  |
| 6666ff | 518dff | 0090ee | 228791 |
|  |  |  |  |
| 6666cc | 326ed5 | 0076c9 | 4d7982 |
|  |  |  |  |
| 666699 | 59699c | 586a98 | 5e6d75 |
|  |  |  |  |
| 666666 | 686666 | 6f6367 | 67656c |
|  |  |  |  |
| 666633 | 6d6432 | 795f35 | 6b6067 |
|  |  |  |  |
| 666600 | 6f6300 | 7b5e11 | 6c5f66 |
|  |  |  |  |
| 6633ff | 6e9aff | 008ce4 | 007179 |
|  |  |  |  |
| 6633cc | 0074ea | 0076c2 | 445d64 |
|  |  |  |  |
| 663399 | 0059b4 | 005995 | 584c51 |
|  |  |  |  |
| 663366 | 324676 | 3d4763 | 623d41 |
|  |  |  |  |
| 663333 | 46433a | 4f4031 | 663336 |
|  |  |  |  |
| 663300 | 4a420b | 534000 | 673033 |
|  |  |  |  |
| 6600ff | 7aa1ff | 008be1 | 006b73 |
|  |  |  |  |
| 6600cc | 007cf8 | 0076bf | 42545b |
|  |  |  |  |
| 660099 | 0065ca | 005a94 | 563f44 |
|  |  |  |  |
| 660066 | 00478e | 253d60 | 602b2d |
|  |  |  |  |
| 660033 | 323748 | 3f352f | 651615 |
|  |  |  |  |
| 660000 | 3c360f | 453500 | 660b00 |
|  |  |  |  |
| 33ffff | e7e5ef | e7ddff | 74efff |
|  |  |  |  |
| 33ffcc | eee2bd | fcdbd4 | 76efff |
|  |  |  |  |
| 33ff99 | f3df8c | ffd4a6 | 78eeff |
|  |  |  |  |
| 33ff66 | f5de5c | ffcf88 | 79eeff |
|  |  |  |  |
| 33ff33 | f7dd29 | ffcd78 | 7aedff |
|  |  |  |  |
| 33ff00 | f7dd00 | ffcd74 | 7aedff |
|  |  |  |  |
| 33ccff | aebbf2 | a7bbff | 00d1e0 |
|  |  |  |  |
| 33cccc | b9b7bf | bdb4d1 | 3ecad9 |
|  |  |  |  |
| 33cc99 | c0b48e | ccaea0 | 54c4d3 |
|  |  |  |  |
| 33cc66 | c4b25d | d6ab6f | 5ec1cf |
|  |  |  |  |
| 33cc33 | c6b22c | daa943 | 63bfcd |
|  |  |  |  |
| 33cc00 | c6b100 | dba830 | 64bfd7 |
|  |  |  |  |
| 3399ff | 6993fa | 3999ff | 00abb7 |
|  |  |  |  |
| 3399cc | 7f8ec3 | 758fce | 00a0ac |
|  |  |  |  |
| 339999 | 8c8a90 | 8f879d | 3997a3 |
|  |  |  |  |
| 339966 | 92875e | 9d826b | 49929d |
|  |  |  |  |
| 339933 | 95862e | a4803c | 4f909a |
|  |  |  |  |
| 339900 | 958600 | a58600 | 518f9a |
|  |  |  |  |
| 3366ff | 2581ff | 0090ec | 009099 |
|  |  |  |  |
| 3366cc | 2067cd | 0078c9 | 007f87 |
|  |  |  |  |
| 336699 | 506195 | 43639a | 146d76 |
|  |  |  |  |
| 336666 | 5e5d61 | 615b68 | 35656d |
|  |  |  |  |
| 336633 | 645b2f | 6d5737 | 3f6068 |
|  |  |  |  |
| 336600 | 655b00 | 705617 | 415f66 |
|  |  |  |  |
| 3333ff | 6094ff | 008ce2 | 008187 |
|  |  |  |  |
| 3333cc | 0070e1 | 0078c2 | 006a70 |
|  |  |  |  |
| 333399 | 0054aa | 005d99 | 005056 |
|  |  |  |  |
| 333366 | 19376a | 003b65 | 263c41 |
|  |  |  |  |
| 333333 | 343333 | 373133 | 333236 |
|  |  |  |  |
| 333300 | 373200 | 3d2f09 | 363033 |
|  |  |  |  |
| 3300ff | 739dff | 008bdf | 007c82 |
|  |  |  |  |
| 3300cc | 0079f2 | 0076bf | 006469 |
|  |  |  |  |
| 330099 | 0062c4 | 005d96 | 00474b |
|  |  |  |  |
| 330066 | 00468b | 003f67 | 212a2d |
|  |  |  |  |
| 330033 | 002448 | 131e30 | 301517 |
|  |  |  |  |
| 330000 | 1e1b08 | 221a00 | 330600 |
|  |  |  |  |
| 00ffff | e6e4ee | e6dcff | 6eefff |
|  |  |  |  |
| 00ffcc | ede1bd | fbdad4 | 70efff |
|  |  |  |  |
| 00ff99 | f2df8c | ffd3a6 | 72eeff |
|  |  |  |  |
| 00ff66 | f5dd5c | ffcf87 | 73eeff |
|  |  |  |  |
| 00ff33 | f6dd29 | ffcd77 | 73edff |
|  |  |  |  |
| 00ff00 | f6dc00 | ffcd72 | 73edff |
|  |  |  |  |
| 00ccff | adbaf2 | a5bbff | 00d0df |
|  |  |  |  |
| 00cccc | b8b6bf | bbb3d1 | 29cad9 |
|  |  |  |  |
| 00cc99 | bfb38d | cbaea0 | 47c4d3 |
|  |  |  |  |
| 00cc66 | c3b25d | d4aa6f | 54c1cf |
|  |  |  |  |
| 00cc33 | c5b12b | d9a844 | 59bfcd |
|  |  |  |  |
| 00cc00 | c5b000 | daa831 | 5abfcd |
|  |  |  |  |
| 0099ff | 6792f8 | 3398ff | 00acb7 |
|  |  |  |  |
| 0099cc | 7e8dc2 | 728ecf | 00a1ac |
|  |  |  |  |
| 009999 | 8a898f | 8d869d | 1f97a3 |
|  |  |  |  |
| 009966 | 90865e | 9b816c | 39929d |
|  |  |  |  |
| 009933 | 93852d | a27e3d | 42909a |
|  |  |  |  |
| 009900 | 948500 | a37e25 | 448f9a |
|  |  |  |  |
| 0066ff | 007efe | 0090ec | 00929a |
|  |  |  |  |
| 0066cc | 1a66cc | 0078c9 | 00828a |
|  |  |  |  |
| 006699 | 4e5f93 | 3d629a | 00727a |
|  |  |  |  |
| 006666 | 5c5b5f | 5e5a69 | 15656d |
|  |  |  |  |
| 006633 | 61592e | 6a5538 | 2a6068 |
|  |  |  |  |
| 006600 | 635800 | 6d5418 | 2d5f66 |
|  |  |  |  |
| 0033ff | 5b91ff | 008ce2 | 008389 |
|  |  |  |  |
| 0033cc | 006fde | 0078c2 | 006f74 |
|  |  |  |  |
| 003399 | 0053a6 | 005e9a | 00595e |
|  |  |  |  |
| 003366 | 0d3366 | 003e68 | 004347 |
|  |  |  |  |
| 003333 | 2e2e30 | 2f2d34 | 0a3236 |
|  |  |  |  |
| 003300 | 312c00 | 362a0c | 173033 |
|  |  |  |  |
| 0000ff | 719cff | 008bdf | 007f85 |
|  |  |  |  |
| 0000cc | 0078f0 | 0076be | 006a6e |
|  |  |  |  |
| 000099 | 0060c1 | 005e97 | 005155 |
|  |  |  |  |
| 000066 | 004487 | 004168 | 003739 |
|  |  |  |  |
| 000033 | 002346 | 002135 | 001c1d |
|  |  |  |  |
| 000000 | 000000 | 000000 | 000000 |
|  |  |  |  |