

# Charty guide

## Installation

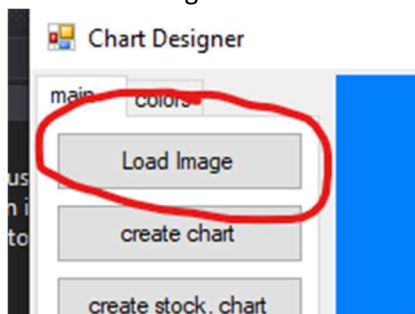
1. <https://github.com/nonnameavailable/Charty-McChartface>
2. On the right side of the page, select **Releases**
3. Select the newest release, download the **charty\_ver\*\*\*.zip**, unzip and run **Setup.exe**
4. Or you can compile it yourself from the source code :)

## Use

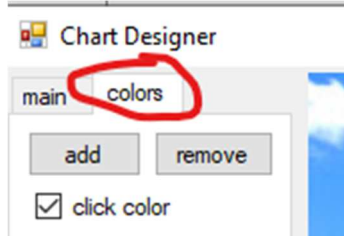
I did my best to add tooltips to pretty much everything. Please read them :)

## Example

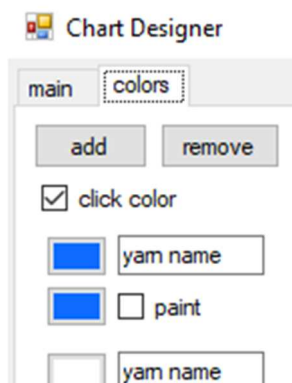
1. Select Load Image



2. Find your image and open it
3. Switch to the colors tab



4. Click on every area in your image that corresponds to a yarn you want to use. This will add colors to the tab.

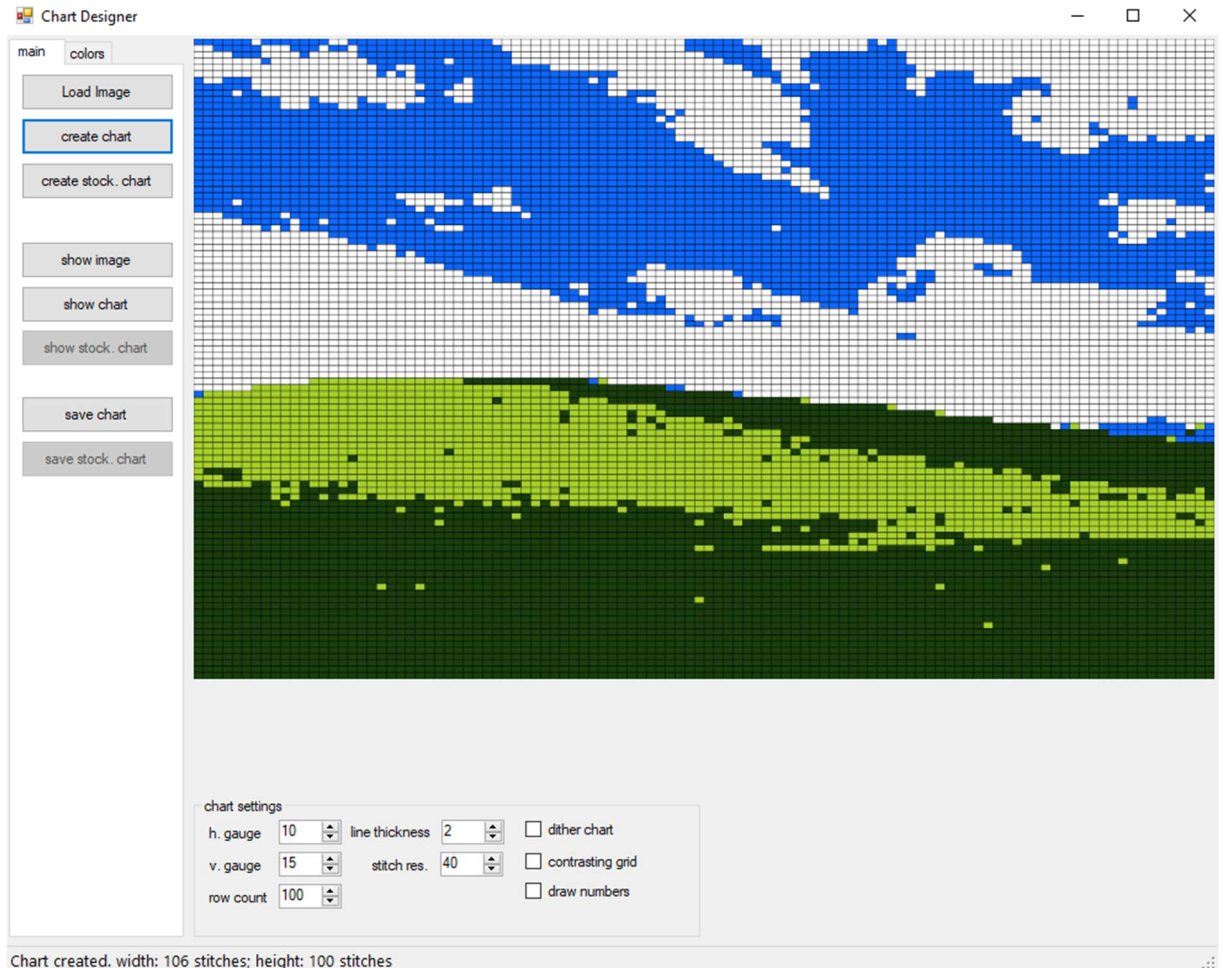


- Knit a square swatch, measure how many rows and stitches (columns) there are, choose how many rows you want your chart to have and input these numbers in the bottom section.

chart settings

h. gauge	10	li
v. gauge	15	
row count	100	

- Go back to the main tab and press **create chart**

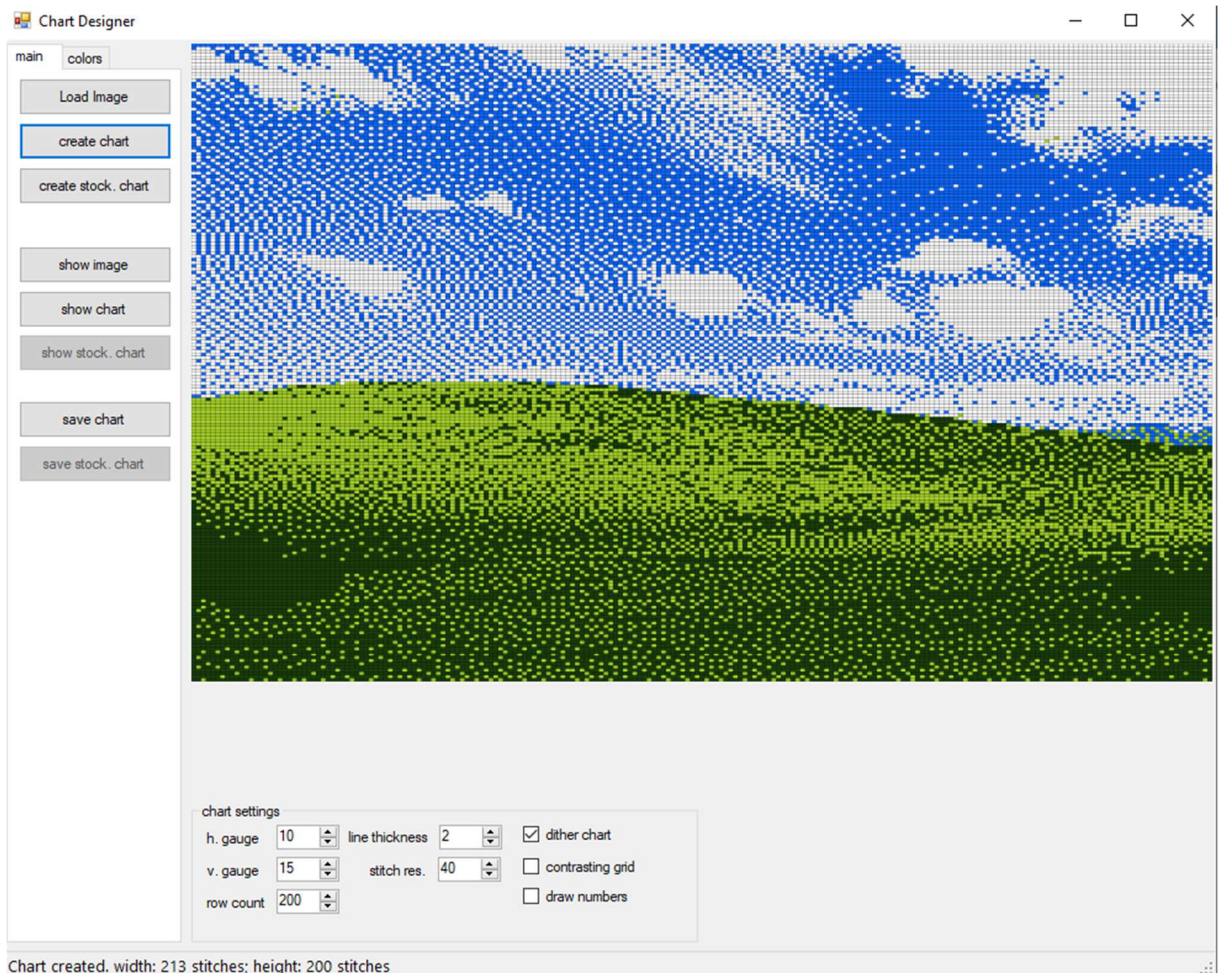


You can now swap between your created chart and the original image with the **show image** and **show chart** buttons.

- Press **save chart** to save your chart to a file. Charts will always be saved as a .png Please do not include your own file extensions.

## Extra options

### 1. Dither chart



This will only really look nice with larger numbers of rows. It will simulate smooth color transitions in pictures by distributing color rounding error to surrounding pixels (stitches). You can read about this effect here: [https://en.wikipedia.org/wiki/Floyd-Steinberg\\_dithering](https://en.wikipedia.org/wiki/Floyd-Steinberg_dithering)

### 2. Contrasting grid

In case your yarns are very dark, you can enable this. Grid lines around dark stitches will turn white.

### 3. Draw numbers

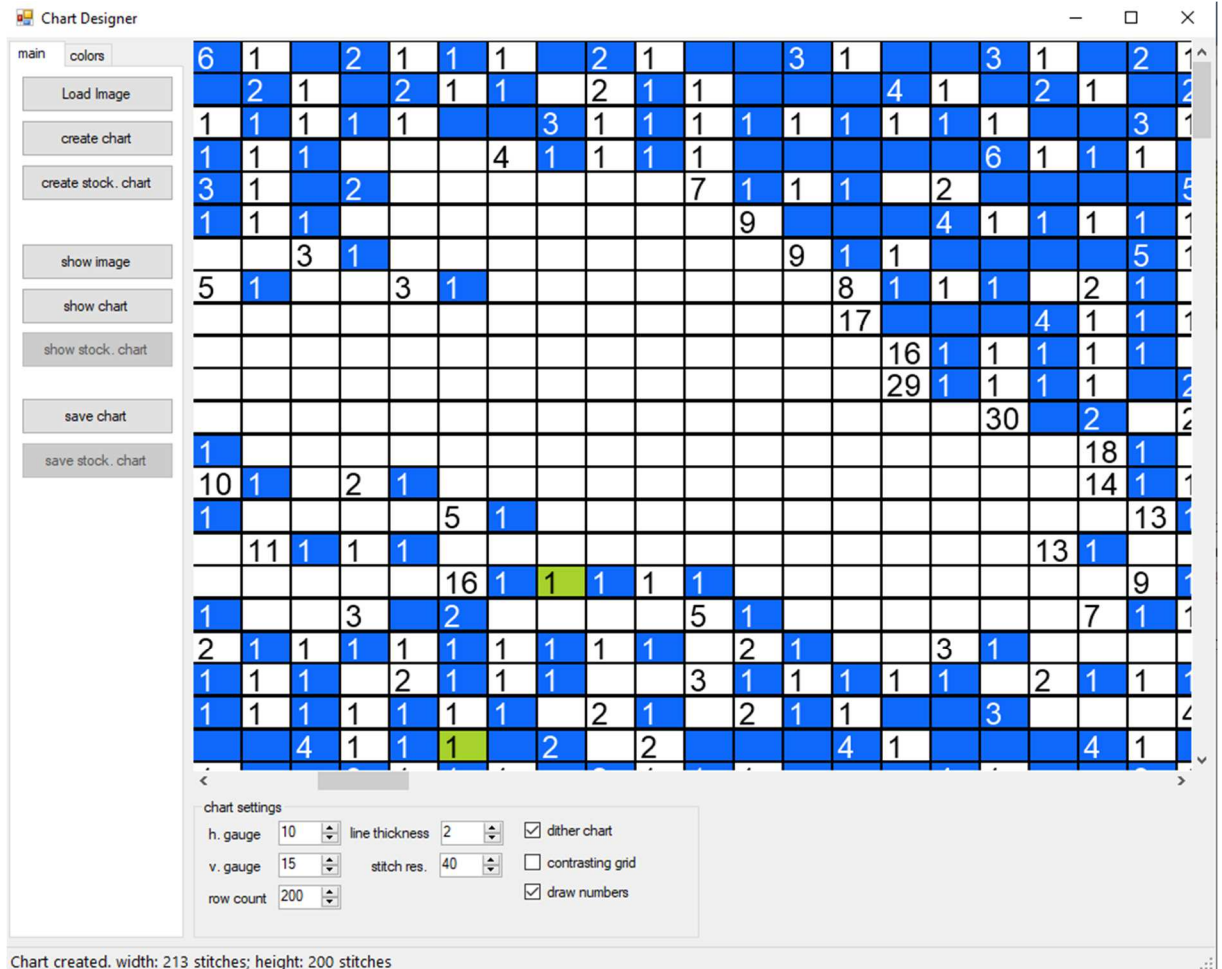


Chart created. width: 213 stitches; height: 200 stitches

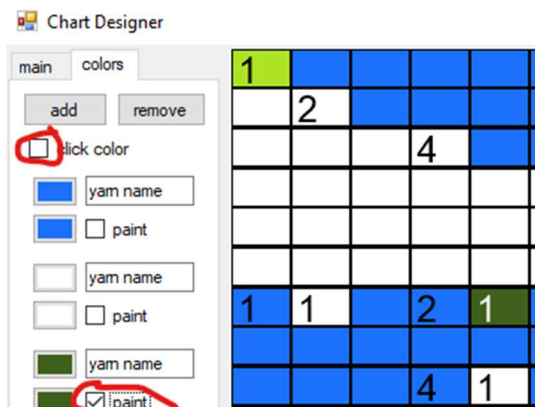
This will put a number to the rightmost stitch in every row color section so you don't have to count the stitches manually.

### 4. Render mode

Right clicking anywhere in the image will bring up a menu where you can select whether you want the displayed image to fit the window, or display it at the original size with scroll bars.

### 5. Painting

By unchecking the **click color** check box and checking the **paint** check box next to one of your colors, you can color in single stitches you click on. **These corrections will be reverted if you select / deselect any of the options above or when pressing create chart!!**

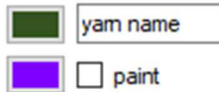




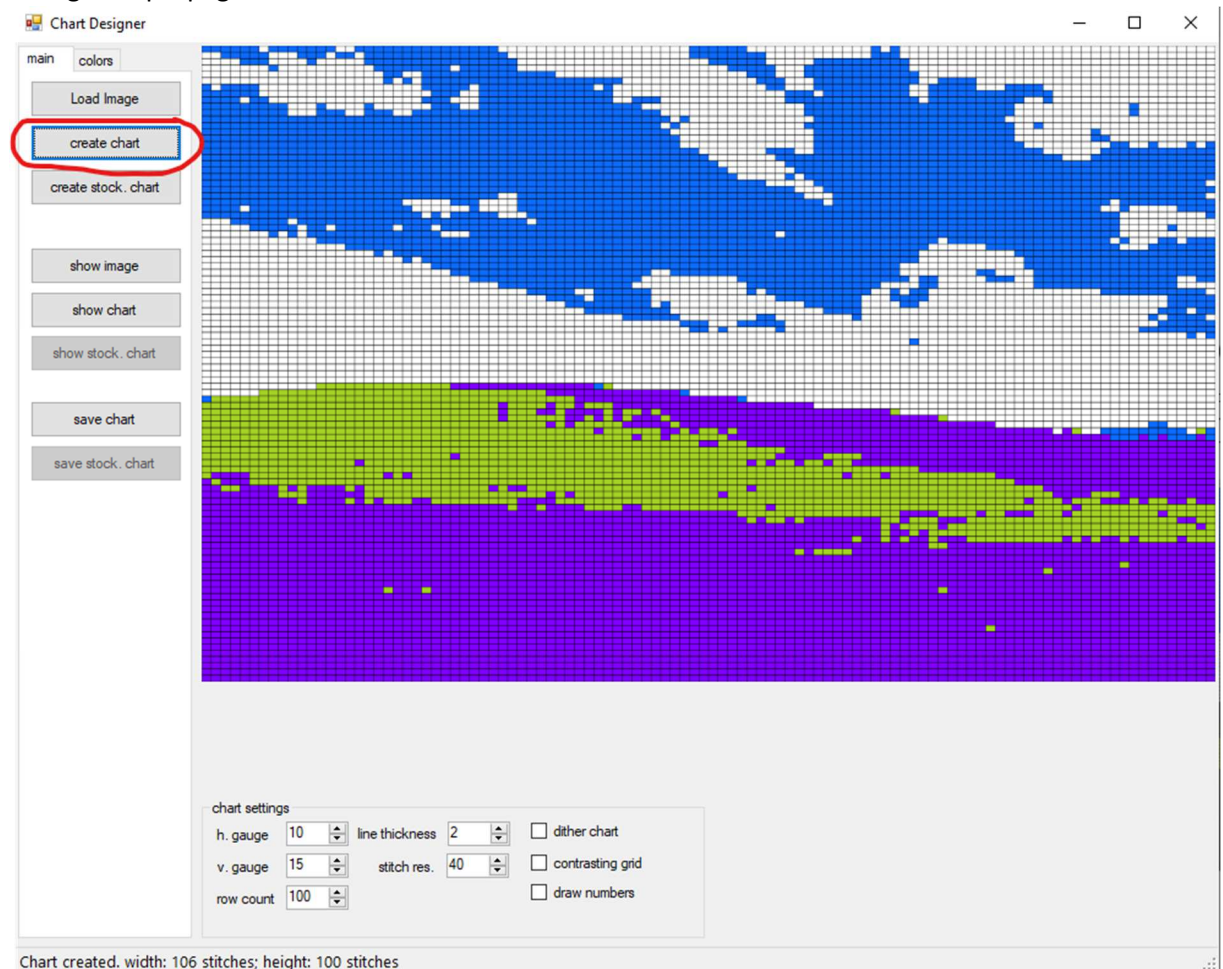
## 6. Primary and replacement colors

Each color selector has 2 color buttons. Primary (top) and replacement (bottom).

For each stitch, the program will look through your image and find the closest primary color to the corresponding spot on the image. It will then use the replacement color to color in the chart. By changing the replacement color, you can replace an entire primary color area.

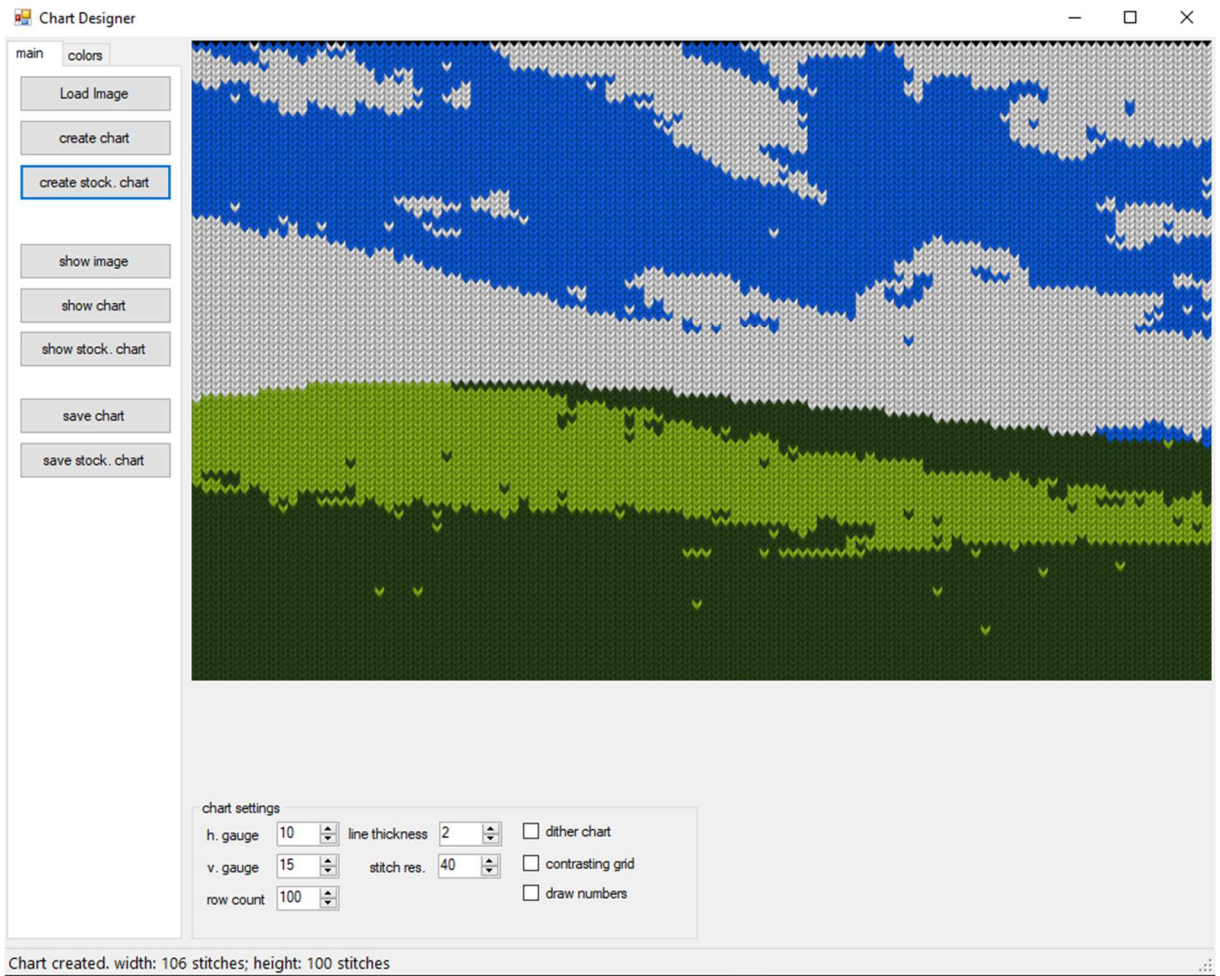


After changing the colors or adding / removing them, you must press **create chart** for the changes to propagate.



## 7. Stockinette preview

by pressing the **create stock. chart**, a stockinette version of the chart will be generated



You can save this preview by pressing the **save stock. chart** button