

# How to make Triple Combo plot in 10 steps.

Using Web-App  
Triple Combo Plotter

1- Access the link to the web-app via: <https://bit.ly/3ErI61J> or go to my profile to see the original post.




**Aditya Arie Wijaya**

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4d • Edited • 

As a follow-up to my last article, I decided to make a web app for triple combo plots with LAS file input.

Similar to the notebook, the web app plotter is highly customizable to a certain degree (I am trying not to overwhelm the experience). You can change the depth, color, scales, etc.

Access the following link for the app: <https://bit.ly/3ErI61J>

Please do share it with others if you find it helpful

Enjoy, and Have Fun!

[#petrophysics](#) [#streamlit](#) [#python](#) [#webapp](#)

## 2- Import your own LAS or load the example file.

The screenshot shows a web browser window with the URL `https://share.streamlit.io/arijewjy/triple_combo_web_plotter/main/app.py`. The page title is "Welcome to Triple Combo Web-App Plotter". Below the title, there is a description: "This is a web app to plot your LAS 2.0 file data into a triple combo plot. (c) 2021, Aditya Arie Wijaya". There are links for LinkedIn and GitHub. The main section is titled "LAS File Data" and contains two radio buttons: "Upload File" (selected) and "Use Preloaded File". Below the radio buttons, there is a text input field labeled "Upload the LAS file" and a large light blue box with the text "Drop files here to upload or browse files".

**Welcome to Triple Combo Web-App Plotter**

This is a web app to plot your LAS 2.0 file data into a triple combo plot.  
(c) 2021, Aditya Arie Wijaya  
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github: <https://github.com/arijewjy>

**LAS File Data**

Select an option:

☒ Upload File  
☐ Use Preloaded File

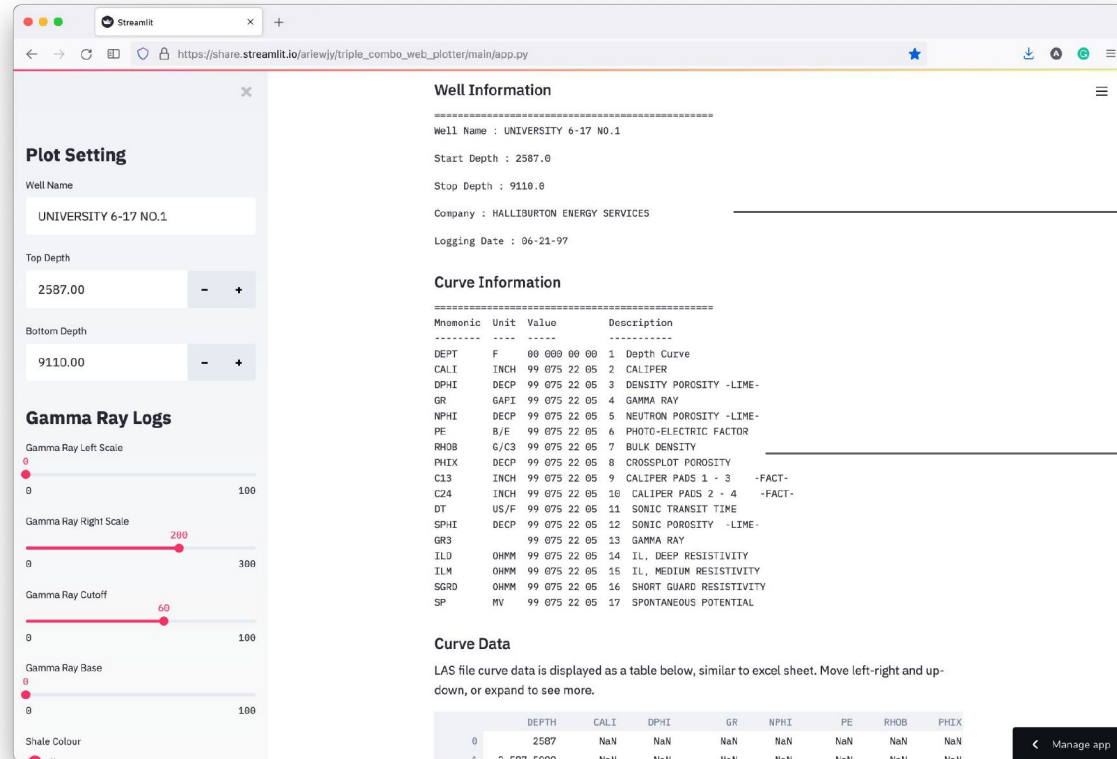
Upload the LAS file

Drop files here to upload  
or  
[browse files](#)

**User can upload their own LAS file.**

**We are going to choose "Use Preloaded File" for illustration purpose.**

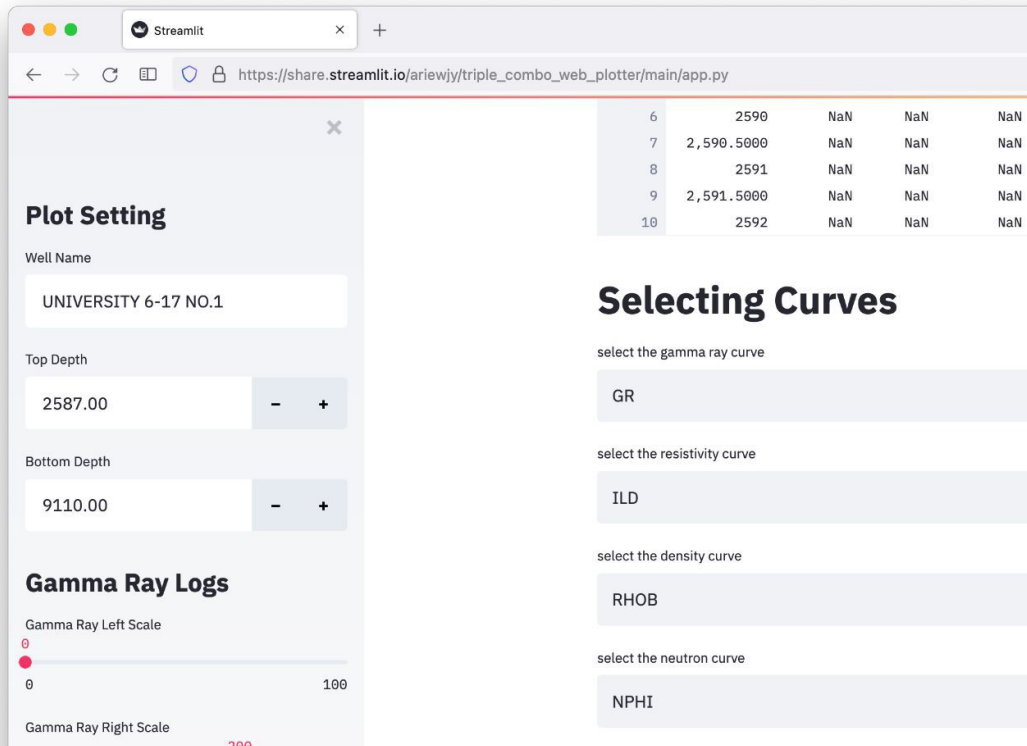
### 3- It will automatically display the well information, etc.



Well name, logging depth, company name.

Curve mnemonics, unit, and descriptions (*to know which curve to select later on*).

# 4- Selecting the curves.



## Selecting Curves

select the gamma ray curve

GR

DEPTH

CALI

DPHI

GR

NPHI

PE

RHOB

DUTY

Manual selection

## Selecting Curves

select the gamma ray curve

GR

select the resistivity curve

ILD

select the density curve

RHOB

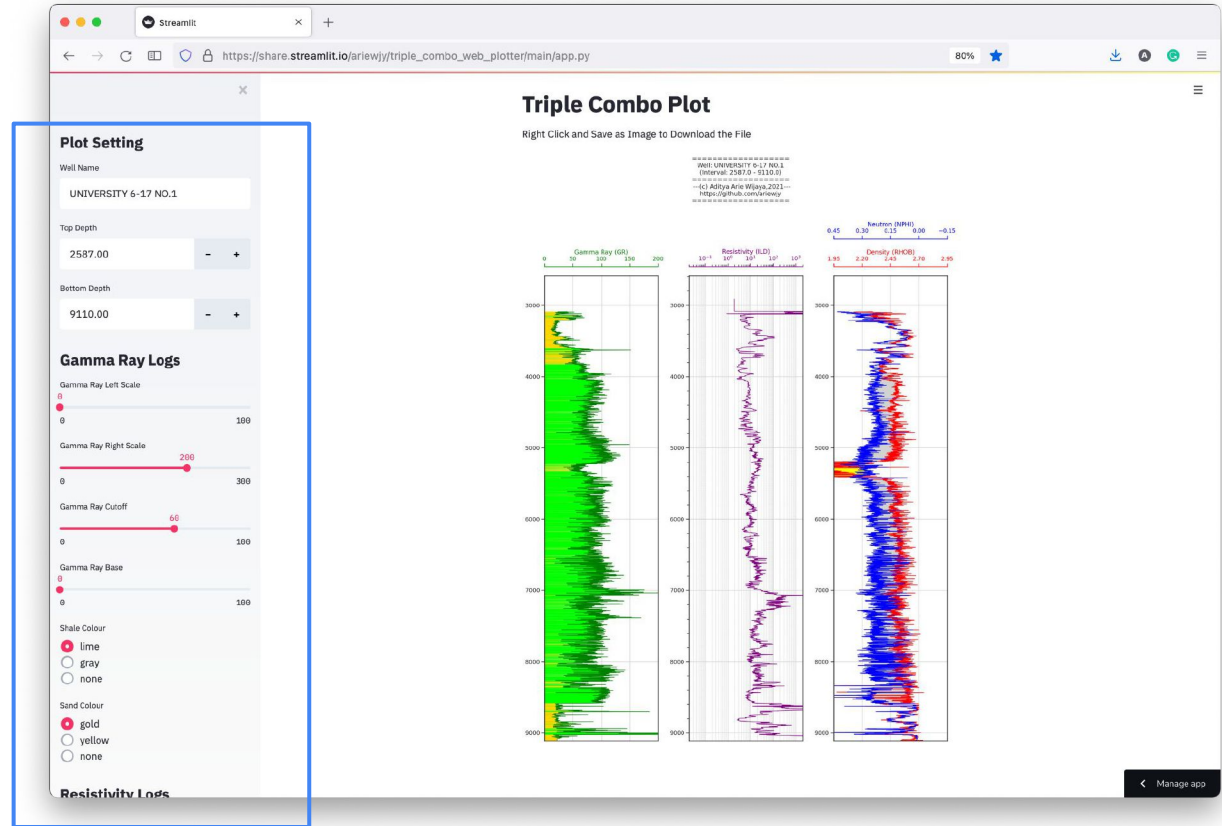
select the neutron curve

NPHI

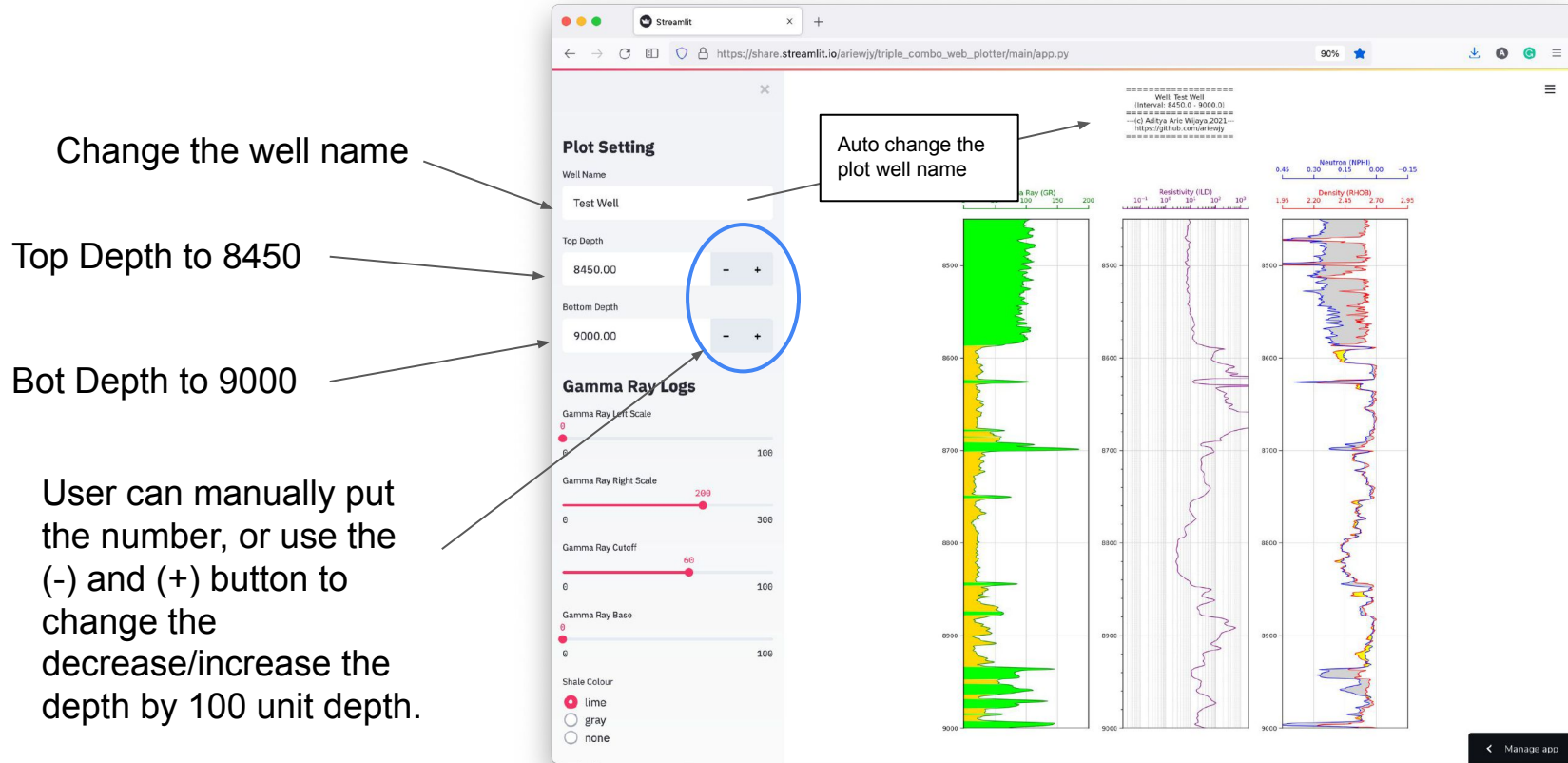
Automatic selection  
for GR, ILD, RHOB,  
NPHI.

# 5- Triple Combo Plot

The sidebar setting is available for customizing the plot to your liking.



## 6- Adjusting the Plot well name and depth.

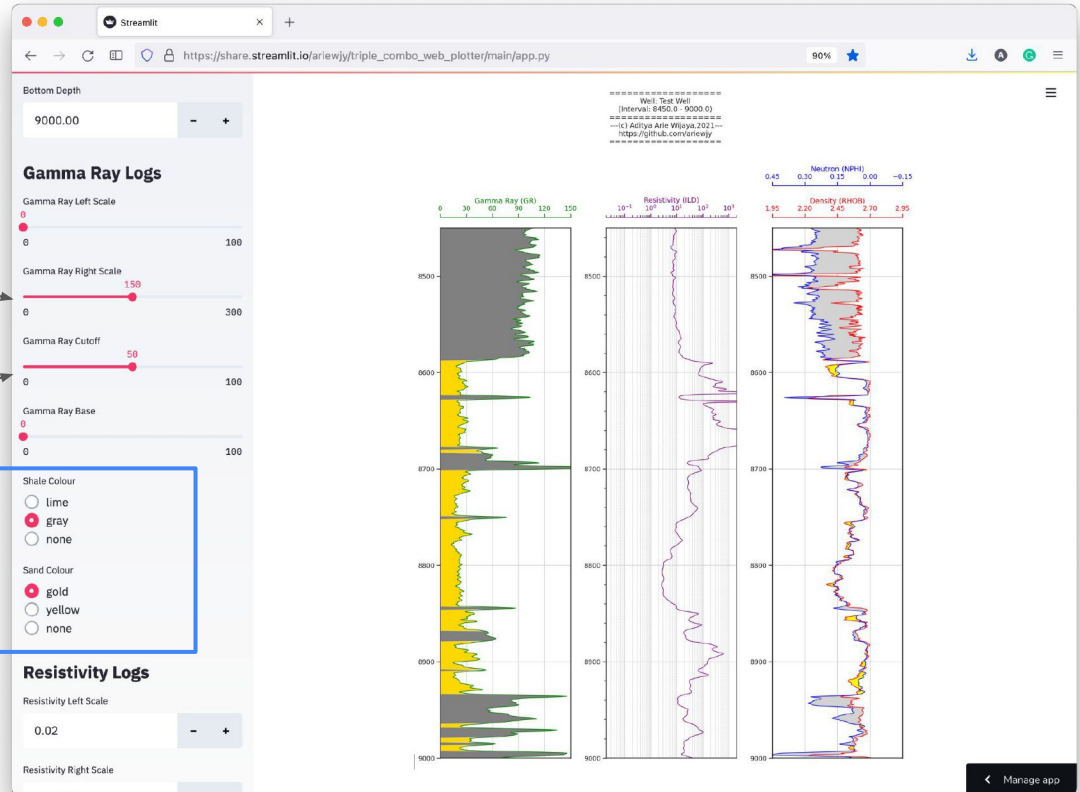


# 7- Adjusting the GR logs

Slider to change the GR right scale

Change the GR cutoff, higher than this value will be considered as shale/ non-reservoir

Shading Color selection for Shale and Sand



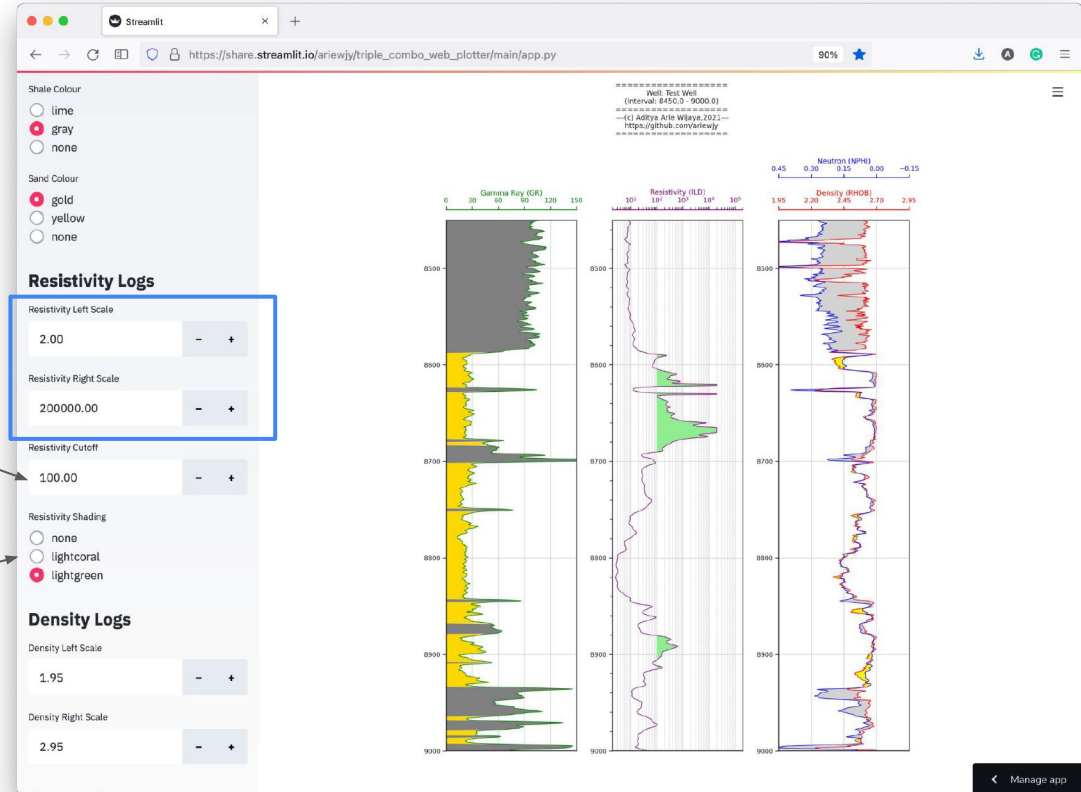


## 8- Adjusting the Resistivity Logs

Decrease or increase the left/  
right scale.

Decrease/ increase the  
Resistivity Cutoff. Higher than  
this value will be considered as  
HC zone.

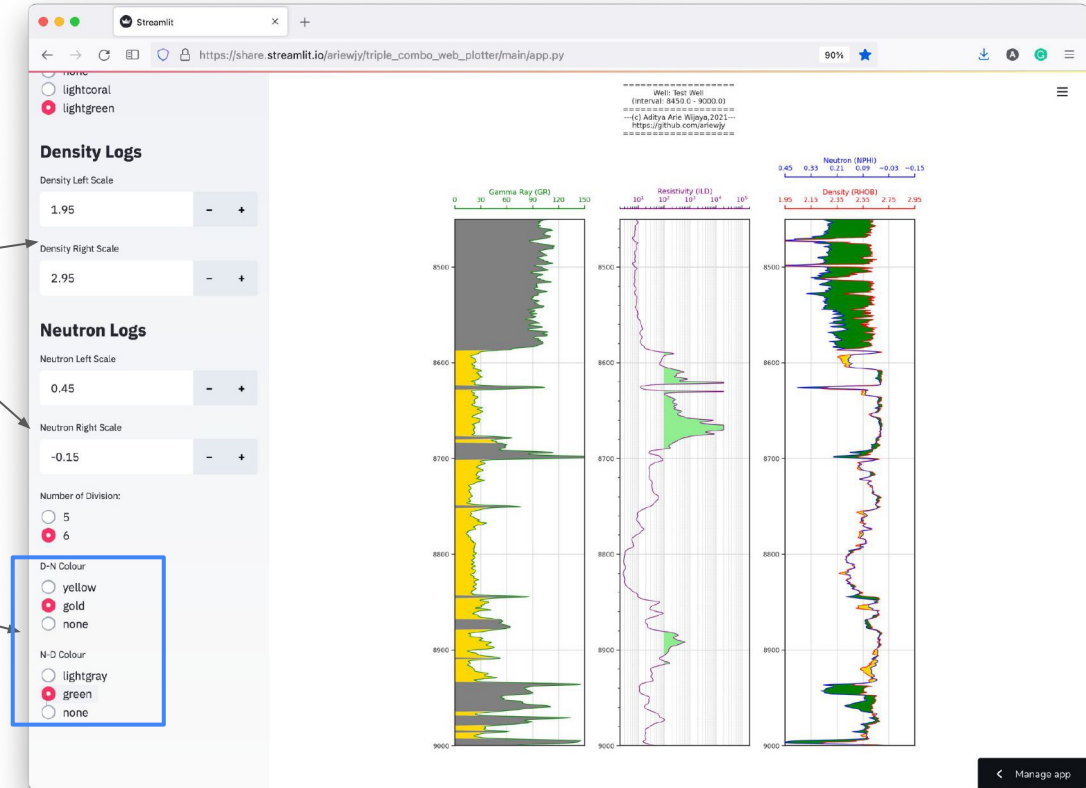
Shading Color selection.



# 10- Adjusting Density and Neutron Logs

Adjustable scale on both Density and Neutron for Limestone/ Sandstone compatible scale.

Shading color selection for xover and separation.



# END- Right Click to Save your Plot!

