Instructions:

Copy the script below, then go to log in or sign up with [Tradingview](https://www.tradingview.com/chart/), then select Products, Superchart, then click on "Pine Editor" in the bottom left of the chart; erase everything, then paste the script you copied earlier, and past; then click "Update on chart." Do not click "Publish Indicator."

//**@version=**6

indicator("Custom MAs with EMA Fill", overlay=true)

// Inputs for moving averages

ema8\_length = input.int(8, title="EMA 8 Length", minval=1)

ema21\_length = input.int(21, title="EMA 21 Length", minval=1)

sma50\_length = input.int(50, title="SMA 50 Length", minval=1)

sma200\_length = input.int(200, title="SMA 200 Length", minval=1)

// Source for calculations

source = input.source(close, title="Source for MAs")

// Moving averages calculations

ema8 = ta.ema(source, ema8\_length)

ema21 = ta.ema(source, ema21\_length)

sma50 = ta.sma(source, sma50\_length)

sma200 = ta.sma(source, sma200\_length)

// Define the green and red shades used for filling

green\_fill\_color = color.new(color.green, 50) // More visible green for fill

red\_fill\_color = color.new(color.red, 50)     // More visible red for fill

red\_ema21\_color = color.new(color.red, 100)  // Darker red for EMA 21

// Plot moving averages with updated colors

plot(ema8, color=green\_fill\_color, linewidth=2, title="EMA 8")  // Match green fill color

plot(ema21, color=red\_ema21\_color, linewidth=2, title="EMA 21") // Different shade of red for EMA 21

plot(sma50, color=color.blue, linewidth=2, title="SMA 50")   // Changed to blue

plot(sma200, color=color.red, linewidth=2, title="SMA 200")  // SMA 200 stays red

// Fill area between EMA 8 and EMA 21 with high opacity for better visibility

fill\_color = ema8 > ema21 ? green\_fill\_color : red\_fill\_color // Less transparent

fill(plot(ema8, title="EMA 8 Fill", display=display.none),

     plot(ema21, title="EMA 21 Fill", display=display.none),

     color=fill\_color)