# MakeColor

A simple hex color library for iOS developers.

By Matt Catellier and Cheng Jiang

<b> Make Color </b> is a lightweight and easy to use SWIFT library created to programatically change assign color using hex values. Coming from a web background, the RGB color system of SWIFT and XCODE can be a little confusing, so we made 7 simple functions to help you out. There are also a number of built in color schemes taht we have set up for you.

# Features

makeColor(hex) - enter in any old hex value

makeVerticalGradient(topColor, bottomColor) - takes 2 parameters, the first being the top color, and the second being the bottom color

makeHorizontalGradient(leftColor, rightColor) - takes 2 parameters, the first being the left color, and the second being the bottom color

makeGradient(color1, color2, startPoint, endPoint) - takes 4 parameters, first 2 being colors and the second 2 being the anchor points for your gradients. <b>startPoint</b> is where color1 will start, <b>endPoint</b> is where color 2 will start from. The anchor points are defined as points which were based on grid system.

i.e. CGPointMake(0, 0) - top left corner, CGPointMake(1, 1) - bottom right corner

makeOpac(color, alpha) - will take your color, and add alpha channel to it

makeLighter(color, percent) - will take your color and make it lighter by indicated percent

makeDarker(color, percent) - will take your color and make it darker by indicated percent

NOTE:

- can only make some colors so dark, and the percent is passed in as a whole number.

i.e. makeLighter(FFFFFF, 20)

Colors

|  |  |  |
| --- | --- | --- |
| red | FF3B30 |  |
| orange | FF9500 |  |
| yellow | FFCC00 |  |
| green | 4cd964 |  |
| aqua | 34aadc |  |
| blue | 071ff |  |
| purple | 5856d6 |  |
| pink | FF2d55 |  |
| lightgray | F7f7f7 |  |

|  |  |  |
| --- | --- | --- |
| black | 1f1f21 |  |
| gray | Bdbec2 |  |

Gradients

|  |  |  |  |
| --- | --- | --- | --- |
| redGradient | FF5E3A | FF2A68 |  |
| orangeGradient | Ff9500 | Ff5e3a |  |
| yellowGradient | Ffdb4c | Ffcd02 |  |
| greenGradient | 87fc70 | 0bd318 |  |
| lightBlueGradient | 52edc7 | 5ac8fb |  |
| darkBlueGradient | 1ad6fd | 1d62f0 |  |
| pinkGradient | Ef4db6 | C643fc |  |
| purpleGradient | C644FC | 5856D6 |  |
| darkGrayGradient | 4a4a4a | 2b2b2b |  |
| grayGradient | Dbddde | 898c90 |  |
| lightGrayGradient | F7f7f7 | D7d7d7 |  |