

iOS Animation with Swift

Hands-On Challenges

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Challenge J: Psychedelic gradient

In this challenge you will enhance the gradient animation from the video tutorial and make it more impressive visually.

You are to add more colors to the gradient like yellow, orange, blue, green to make the slide control look real psychedelic.

Start by opening **AnimatedMaskLabel.swift** and getting `didMoveToSuperview()` in view. Replace the existing `colors` array with the following list of crazy colors:

```
var colors: [AnyObject] = [  
    UIColor.yellowColor().CGColor,  
    UIColor.greenColor().CGColor,  
    UIColor.orangeColor().CGColor,  
    UIColor.cyanColor().CGColor,  
    UIColor.redColor().CGColor,  
    UIColor.yellowColor().CGColor  
]
```

Notice how the first and last colors in the list are a yellow color so that you preserve the original effect of the highlight moving across the screen.

Next you also need to update the locations of all those colors (optional since you will overwrite them by setting `fromValue`, but handy to preview the initial gradient). Replace the original `locations` array with:

```
var locations: [AnyObject] = [  
    0.0,  
    0.0,  
    0.0,  
    0.0,  
    0.0,  
    0.25  
]
```

Finally update the `toValue` and `fromValue` of the animation object to reflect the number of colors you'd like to have:

```
gradientAnimation.fromValue = [0.0, 0.0, 0.0, 0.0, 0.0, 0.25]  
gradientAnimation.toValue = [0.65, 0.8, 0.85, 0.9, 0.95, 1.0]
```



In `toValue` you order the colors the way you want them to pass through the screen.
Run the project now – I'd say it's pretty psychedelic!

