

实现 NavigationBar 的 alpha 渐变

1. 简述:

功能需求，navigationBar 随 scrollView 的滚动作 alpha 渐变。原理：将 navigationBar 的背景图片、阴影去掉后添加 coverView，控制好 coverView 的 alpha 值即可。

2. 实现:

```
@interface MYNavigationBar : UINavigationController

@property (nonatomic, strong) UIView *coverView;

- (void)setMyBackgroundColor:(UIColor *)color;
- (void)setMyBackgroundColor:(UIColor *)color withScrollView:(UIScrollView *)scrollView;
- (void)setMyBackgroundColorAlpha:(CGFloat)alpha;
- (void)scrollViewDidScroll:(CGPoint)contentOffset;

@end

@interface UINavigationController (YXHNavigationBar)<UINavigationControllerDelegate>

@property (nonatomic, readonly) MYNavigationBar *yxhNavigationBar;

- (void)pushWithBackgroundColor:(UIColor *)backgroundColor andTintColor:(UIColor *)tintColor;
```

```
@implementation MYNavigationBar

- (void)scrollViewDidScroll:(CGPoint)contentOffset{
    CGFloat delta = contentOffset.y;
    CGFloat alpha = delta / 100.0f;
    [self setMyBackgroundColorAlpha:alpha];
}

- (void)setMyBackgroundColor:(UIColor *)color {
    if (self.coverView != nil) {
        self.coverView.backgroundColor = color;
    } else {
        [self setBackgroundImage:[UIImage alloc] init] forBarMetrics:UIBarMetricsDefault];
        [self setShadowImage:[UIImage alloc] init];
        UIView *view = [[UIView alloc] initWithFrame:CGRectMake(0, -20, [UIScreen mainScreen].bounds.size.width, self.bounds.size.height + 20)];
        view.userInteractionEnabled = NO;
        [view setAutoresizingMask:UIViewAutoresizingNone];
        [self insertSubview:view atIndex:0];
        view.backgroundColor = color;
        self.coverView = view;
    }
}

- (void)setMyBackgroundColor:(UIColor *)color withScrollView:(UIScrollView *)scrollView {
    [self setMyBackgroundColor:color];
    [self scrollViewDidScroll:scrollView.contentOffset];
}
```

```
- (void)setMyBackgroundColorAlpha:(CGFloat)alpha {
    if (self.coverView == nil) {
        return;
    } else {
        self.coverView.backgroundColor = [self.coverView.backgroundColor colorWithAlphaComponent:alpha];
    }
}
```

@end

#pragma mark - Support

@implementation UINavigationController (YXHNavigationBar)

```
- (MYNavigationBar *)yxhNavigationBar {
    UINavigationController *navBar = self.navigationController;
    if ([navBar isKindOfClass:[MYNavigationBar class]]) {
        return (MYNavigationBar *)navBar;
    }
    return nil;
}

- (void)pushViewController:(UIColor *)backgroundColor andTintColor:(UIColor *)tintColor {
    [self.yXHNavigationBar setTintColor:tintColor];
    [self.yXHNavigationBar setMyBackgroundColor:backgroundColor];
}
```

```
- (void)navigationBar:(UINavigationController *)navigationController shouldPushItem:(nonnull UINavigationControllerItem *)item {
    [self.yXHNavigationBar setMyBackgroundColorAlpha:1.0f];
}
```

@end

3. 使用：

viewWillAppear

```
[self.navigationController.yXHNavigationBar setMyBackgroundColor:GLOBAL_COLOR];
[self.navigationController.yXHNavigationBar scrollViewDidScroll:CGPointZero];
```

scrollViewDidScroll

#pragma mark UIScrollViewDelegate

```
- (void)scrollViewDidScroll:(UIScrollView *)scrollView{
    [self.navigationController.yXHNavigationBar scrollViewDidScroll:scrollView.contentOffset];
}
```