

NSLayoutXAxisAnchor [Horizontal]

NSLayoutXAxisAnchor

- * centerXAnchor
- * leadingAnchor & trailingAnchor
- * leftAnchor & rightAnchor

Swift

```
myView.centerXAnchor.constraint(equalTo: view.centerXAnchor).isActive = true
```

Objective-C

```
[self.myView.centerXAnchor constraintEqualToAnchor: self.view.centerXAnchor].active = YES;
```

Top and Bottom Layout guides

UILayoutSupport

topLayoutGuide bottomLayoutGuide

- * bottomAnchor
- * topAnchor
- * heightAnchor

// Swift

```
myView.topAnchor.constraint(equalTo: topLayoutGuide.bottomAnchor, constant: 8.0).isActive = true
```

// Objective-C

```
[self.stackView.topAnchor constraintEqualToAnchor: self.topLayoutGuide.bottomAnchor, constant: 8.0].active = YES;
```

NSLayoutYAxisAnchor [Vertical]

NSLayoutYAxisAnchor

- * centerYAnchor
- * bottomAnchor & topAnchor
- * firstBaselineAnchor & lastBaselineAnchor

Swift

```
myView.bottomAnchor.constraint(equalTo: view.topAnchor, constant: 8).isActive = true
```

Objective-C

```
self.myView.bottomAnchor.constraint(equalToAnchor: self.view.topAnchor, constant: 8.0).active = YES
```

Example 2

Example to make the height of a view twice the height of another view with a multiplier:

// Swift

```
myView.heightAnchor.constraint(equalTo: otherView.heightAnchor, multiplier: 2.0).isActive = true
```

// Objective-C

```
[self.myView.heightAnchor constraintEqualToAnchor: self.otherView.heightAnchor, multiplier: 2.0].active = YES
```

NSLayoutDimension [Size-Based Constrains]

NSLayoutDimension

- * heightAnchor
- * widthAnchor

// Swift

```
myView.widthAnchor.constraint(equalToConstant: 50.0).isActive = true
```

// Objective-C

```
[self.myView.widthAnchor constraintEqualToConstant: 50.0].active = YES;
```

View Margins

*layoutMarginGuide & readableContentGuide

// Swift

```
let margins = view.layoutMarginsGuide
myView.leadingAnchor.constraint(equalTo: margin.s.leadingAnchor).isActive = true
```

// Objective-C

```
UILayoutGuide *margins = self.view.layoutMarginsGuide;
[self.myView.leadingAnchor constraintEqualToAnchor: margin.s.leadingAnchor].active = YES;
```

