

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
constraintEqualToAnchor: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:
margins.leadingAnchor).isActive = true
```

// Objective-C

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



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