

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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Published 15th November, 2017.
 Last updated 15th November, 2017.
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