

# Converting Colors

YIQ(57.6400, -15.8210, 16.9070)

Have a look what the booklet for  
YIQ(57.6400, -15.8210, 16.9070)  
contains.

<b>YIQ(57.6400, -15.8210, 16.9070)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(57.6400, -15.8210,  
16.9070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	353368
RGB	53, 51, 104
RGB Percent	21%, 20%, 41%
CMY	0.7921, 0.8000, 0.5923
CMYK	0.49, 0.51, 0.00, 0.59
HSL	242°, 34%, 30%
HSV	242°, 51%, 41%
XYZ	5.1498, 4.1237, 13.6142
YIQ	57.6400, -15.8210, 16.9070

# Conversions

## Conversions Part 2

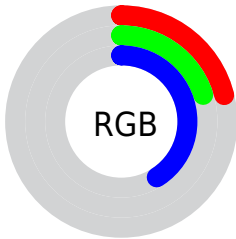
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	53, 51, 104
Decimal	3486568
CIE <sub>Lab</sub>	24.08, 16.46, -30.91
CIE <sub>LCh</sub>	24, 35.021, 298.032
Yxy	4.1237, 0.2250, 0.1802
Android (android.graphics.Color)	4281676648 (0xFF353368)
YUV	57.6400, 22.8555, -4.0693
Hunter-Lab	20.3068, 9.7309, -25.5346




# Details

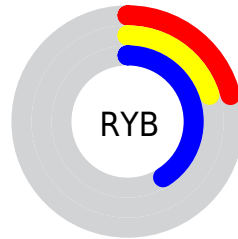
The YIQ color **57.6400, -15.8210, 16.9070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **97.3600, 15.8210, -16.9070**, and the grayscale version is **57.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **105.5200, -15.3630, 19.6210**, and **11.3900, -18.1130, 14.3910** is the 20% darker color. If you saturate the color by 10%, you get **48.7800, -19.0310, 20.0170**, and if you desaturate by 10%, it is **66.5000, -12.6110, 13.7970**.

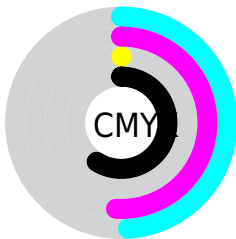
# Distribution







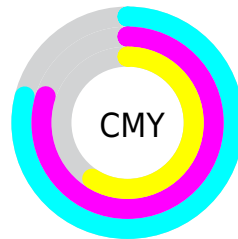
-  Red (21%)
-  Green (20%)
-  Blue (41%)






-  Red (21%)
-  Yellow (20%)
-  Blue (41%)



-  Cyan (49%)
-  Magenta (51%)
-  Yellow (0%)
-  Black (59%)



-  Cyan (79%)
-  Magenta (80%)
-  Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.6400, -15.8210, 16.9070 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 57.6400, -15.8210, 16.9070 by changing the saturation by 10% instead.



■ 57.6400, -15.8210,  
16.9070

■ 57.6400, -15.8210,  
16.9070

■ 255.0000, -0.0000,  
-0.0000

■ 35.1020, -17.2420,  
15.1260

■ 105.5200,  
-15.3630, 19.6210

■ 11.3900, -18.1130,  
14.3910

■ 131.0470,  
-15.4090, 20.4550

■ 5.0500, -11.4640,  
9.5280

■ 157.4600,  
-15.1340, 20.9780

■ 0.9120, -2.5680,  
2.4880

■ 184.6880,  
-15.7760, 21.6000

■ 0.0000, 0.0000,  
0.0000

■ 210.7330,  
-11.6490, 18.3910

■ 235.8400, -2.0650,

9.8950

■ 57.6400, -15.8210,  
16.9070

■ 57.6400, -15.8210,  
16.9070

■ 48.7800, -19.0310,  
20.0170

■ 66.5000, -12.6110,  
13.7970

■ 39.3330, -21.9660,  
23.6500

■ 75.9470, -9.6760,  
10.1640

■ 30.4730, -25.1760,  
26.7600

■ 84.8070, -6.4660,  
7.0540

■ 21.0260, -28.1110,  
30.3930

■ 94.2540, -3.5310,  
3.4210

■ 13.0520, -31.0000,  
33.1920

■ 103.1140, -0.3210,  
0.3110

■ 111.9740, 2.8890,  
-2.7990

■ 121.4210, 5.8240,  
-6.4320

■ 130.2810, 9.0340,  
-9.5420

■ 139.7280, 11.9690,  
-13.1750

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.3470, -52.0850, 2.3070



57.6400, -15.8210, 16.9070



58.5960, 13.8420, 24.4820

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.6400, -15.8210, 16.9070



54.8780, 38.3300, -0.8220



46.7730, -36.6300, -18.9820

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.6400, -15.8210, 16.9070



97.3600, 15.8210, -16.9070

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.5210, -27.4130, -26.3330



57.6400, -15.8210, 16.9070



53.8130, 27.7870, -13.5010

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.6400, -15.8210, 16.9070



54.6310, 41.1240, 14.6280



51.0770, 9.1280, -22.2640



49.7370, -44.9760, -10.8960



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.6400, -15.8210, 16.9070



56.2510, 28.0550, 25.7110



51.0770, 9.1280, -22.2640



45.6330, -33.4200, -22.0920

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.6400, -15.8210, 16.9070



117.5790, -5.8240, 6.4320



86.9790, -31.0380, -10.1900



57.7810, -3.5770, 4.2550



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.6400, -15.8210, 16.9070



63.2450, -24.5340, 26.1380



65.4140, -0.3250, 22.4190



46.5700, -1.6050, 1.5550



14.3060, -34.5310, 36.6130



30.2790, -72.3180, 77.1700



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.6610, 15.2170, 27.0970



86.5240, 23.5130, 41.9530



89.5860, 0.3250, -22.4190



48.0650, 1.3750, 2.6150



46.9250, 33.2300, 58.5900



98.9200, 69.4390, 123.7670



# Previews

## White Background



This preview shows how the YIQ color 57.6400, -15.8210, 16.9070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 57.6400, -15.8210, 16.9070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

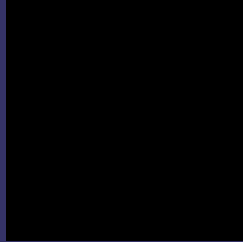
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 57.6400, -15.8210, 16.9070

## Background



This preview shows how black text looks on a background with the YIQ color 57.6400, -15.8210, 16.9070.



This preview shows how white text looks on a background with the YIQ color 57.6400, -15.8210,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

57.6400, -15.8210, 16.9070

### Protanopia

53.6700, -33.7010, 10.5470

### Deuteranopia

49.8600, -40.3480, 4.3560



## Tritanopia

55.1880, -12.3330, -2.2610

# Trichromacy



## Original Color

57.6400, -15.8210, 16.9070

## Protanomaly

54.9590, -27.1450, 12.8790

## Deuteranomaly

52.3990, -31.5000, 9.2040

## Tritanomaly

56.2190, -13.6180, 4.5100

# Monochromacy



## Original Color

57.6400, -15.8210, 16.9070

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

57.5790, -5.8240, 6.4320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.6400, -15.8210, 16.9070 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(53, 51, 104)` looks like.

```
.text, #text, p{  
    color:rgb(53, 51, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(53, 51, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 51, 104) }
```

## Border

The CSS property to change the border of an element to YIQ 57.6400, -15.8210, 16.9070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 51, 104) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(53, 51, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(53, 51, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 51, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 51, 104);  
box-shadow:4px 4px 4px 4px rgb(53, 51,  
104) }
```

# Background

The CSS property to change the background color of an element to YIQ 57.6400, -15.8210, 16.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 51, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(53, 51,  
104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor