

# Converting Colors

YIQ(56.6400, -15.8210, 16.9070)

Have a look what the booklet for  
YIQ(56.6400, -15.8210, 16.9070)  
contains.

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# Color

**YIQ(56.6400, -15.8210,  
16.9070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	343267
RGB	52, 50, 103
RGB Percent	20%, 20%, 40%
CMY	0.7960, 0.8039, 0.5962
CMYK	0.49, 0.51, 0.00, 0.60
HSL	242°, 35%, 30%
HSV	242°, 51%, 40%
XYZ	5.0041, 3.9902, 13.3314
YIQ	56.6400, -15.8210, 16.9070

# Conversions

## Conversions Part 2

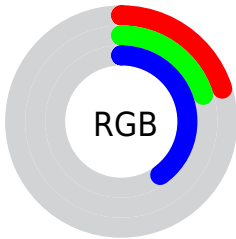
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 50, 103
Decimal	3420775
CIE Lab	23.64, 16.54, -30.97
CIE LCh	24, 35.109, 298.107
Yxy	3.9902, 0.2241, 0.1787
Android (android.graphics.Color)	4281610855 (0xFF343267)
YUV	56.6400, 22.8555, -4.0693
Hunter-Lab	19.9755, 9.7592, -25.5867

# Details

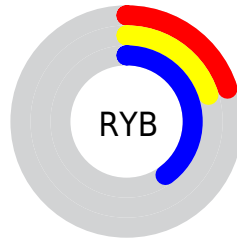
The YIQ color **56.6400, -15.8210, 16.9070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **96.3600, 15.8210, -16.9070**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.5200, -15.3630, 19.6210**, and **10.1020, -17.2420, 15.1260** is the 20% darker color. If you saturate the color by 10%, you get **47.7800, -19.0310, 20.0170**, and if you desaturate by 10%, it is **65.5000, -12.6110, 13.7970**.

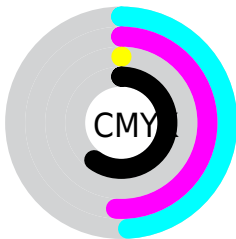
# Distribution



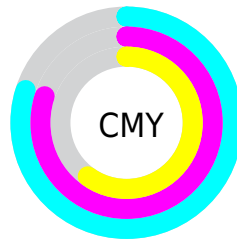
- Red (20%)
- Green (20%)
- Blue (40%)



- Red (20%)
- Yellow (20%)
- Blue (40%)



- Cyan (49%)
- Magenta (51%)
- Yellow (0%)
- Black (60%)



- Cyan (80%)
- Magenta (80%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.6400, -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 56.6400, -15.8210, 16.9070 by changing the saturation by 10% instead.



■ 56.6400, -15.8210,  
16.9070

■ 56.6400, -15.8210,  
16.9070

■ 255.0000, -0.0000,  
-0.0000

■ 34.1020, -17.2420,  
15.1260

■ 104.5200,  
-15.3630, 19.6210

■ 10.1020, -17.2420,  
15.1260

■ 130.0470,  
-15.4090, 20.4550

■ 4.9360, -11.1430,  
9.2170

■ 156.4600,  
-15.1340, 20.9780

■ 0.7980, -2.2470,  
2.1770

■ 183.1010,  
-15.5010, 22.1230

■ 0.0000, 0.0000,  
0.0000

■ 209.8470,  
-11.9700, 18.7020

■ 234.9540, -2.3860,

10.2060

■ 56.6400, -15.8210,  
16.9070

■ 56.6400, -15.8210,  
16.9070

■ 47.7800, -19.0310,  
20.0170

■ 65.5000, -12.6110,  
13.7970

■ 38.3330, -21.9660,  
23.6500

■ 74.9470, -9.6760,  
10.1640

■ 29.4730, -25.1760,  
26.7600

■ 83.8070, -6.4660,  
7.0540

■ 20.6130, -28.3860,  
29.8700

■ 92.6670, -3.2560,  
3.9440

■ 12.9380, -30.6790,  
32.8810

■ 101.5270, -0.0460,  
0.8340

■ 110.6750, 2.2930,  
-3.0110

■ 119.5350, 5.5030,  
-6.1210

■ 128.3950, 8.7130,  
-9.2310

■ 137.8420, 11.6480,  
-12.8640

# Harmonies

## Analogous

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



47.6460, -51.4890, 2.5190



56.6400, -15.8210, 16.9070



57.5960, 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.



56.6400, -15.8210, 16.9070



53.7640, 38.6510, -1.1330



46.0720, -36.0340, -18.7700

# Complementary

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



56.6400, -15.8210, 16.9070



96.3600, 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.



41.8200, -26.8170, -26.1210



56.6400, -15.8210, 16.9070



52.6280, 26.8700, -13.4020

# Square

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



56.6400, -15.8210, 16.9070



53.6310, 41.1240, 14.6280



50.0770, 9.1280, -22.2640



49.0360, -44.3800, -10.6840



# Rectangle

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



56.6400, -15.8210, 16.9070



55.2510, 28.0550, 25.7110



50.0770, 9.1280, -22.2640



45.0460, -33.1450, -21.5690

# Sweetspot

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



56.6400, -15.8210, 16.9070



115.2800, -6.4200, 6.2200



85.9790, -31.0380, -10.1900



55.6670, -3.2560, 3.9440



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



56.6400, -15.8210, 16.9070



60.6580, -24.2590, 26.6610



64.4140, -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.



71.6610, 15.2170, 27.0970



83.8230, 24.1090, 42.1650



88.5860, 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 56.6400, -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 56.6400, -15.8210, 16.9070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

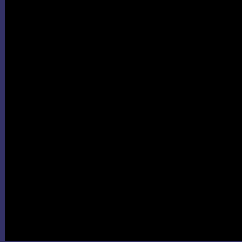
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 56.6400, -15.8210, 16.9070

## Background



This preview shows how black text looks on a background with the YIQ color 56.6400, -15.8210, 16.9070.



This preview shows how white text looks on a background with the YIQ color 56.6400, -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

56.6400, -15.8210, 16.9070

### Protanopia

52.3710, -34.2970, 10.3350

### Deuteranopia

47.9630, -42.1360, 3.7200



## Tritanopia

53.8890, -12.9290, -2.4730

# Trichromacy



## Original Color

56.6400, -15.8210, 16.9070

## Protanomaly

53.6600, -27.7410, 12.6670

## Deuteranomaly

50.8010, -32.6920, 8.7800

## Tritanomaly

54.9200, -14.2140, 4.2980

# Monochromacy



## Original Color

56.6400, -15.8210, 16.9070

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

56.5790, -5.8240, 6.4320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.6400, -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(52, 50, 103)` looks like.

```
.text, #text, p{  
    color:rgb(52, 50, 103)  
}
```

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(52, 50, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 50, 103) }
```

## Border

The CSS property to change the border of an element to YIQ 56.6400, -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(52, 50, 103) }
```



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

```
.border{ border-color:rgb(52, 50, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 50, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 50, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 50, 103);  
box-shadow:4px 4px 4px 4px rgb(52, 50,  
103) }
```

# Background

The CSS property to change the background color of an element to YIQ 56.6400, -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(52, 50, 103) }
```

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

```
.background{ background-color: rgb(52, 50,  
103) }
```

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](#).

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