

# Converting Colors

YIQ(90.3940, -6.7410, 6.5310)

Have a look what the booklet for  
YIQ(90.3940, -6.7410, 6.5310)  
contains.

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# Color

**YIQ(90.3940, -6.7410,  
6.5310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58586D
RGB	88, 88, 109
RGB Percent	35%, 35%, 43%
CMY	0.6549, 0.6549, 0.5726
CMYK	0.19, 0.19, 0.00, 0.57
HSL	240°, 11%, 39%
HSV	240°, 19%, 43%
XYZ	10.2743, 10.1582, 15.8841
YIQ	90.3940, -6.7410, 6.5310

# Conversions

## Conversions Part 2

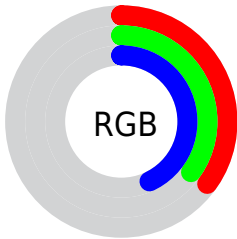
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 88, 109
Decimal	5789805
CIE Lab	38.12, 4.88, -11.97
CIE LCh	38, 12.924, 292.205
Yxy	10.1582, 0.2829, 0.2797
Android (android.graphics.Color)	4283979885 (0xFF58586D)
YUV	90.3940, 9.1728, -2.0995
Hunter-Lab	31.8720, 1.7655, -7.2382

# Details

The YIQ color **90.3940, -6.7410, 6.5310** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **106.6060, 6.7410, -6.5310**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.6220, -7.3830, 7.1530**, and **44.7530, -6.3740, 5.3860** is the 20% darker color. If you saturate the color by 10%, you get **80.6480, -10.2720, 9.9520**, and if you desaturate by 10%, it is **100.1400, -3.2100, 3.1100**.

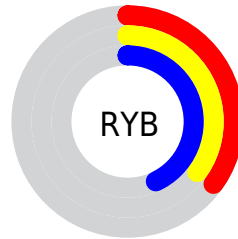
# Distribution



Red (35%)

Green (35%)

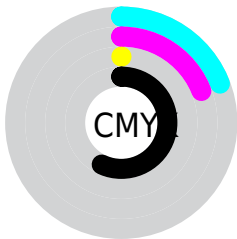
Blue (43%)



Red (35%)

Yellow (35%)

Blue (43%)

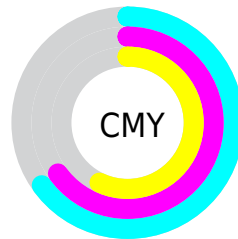


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (57%)



Cyan (65%)

Magenta (65%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.3940, -6.7410, 6.5310 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 90.3940, -6.7410, 6.5310 by changing the saturation by 10% instead.



■ 90.3940, -6.7410,  
6.5310

■ 90.3940, -6.7410,  
6.5310

■ 255.0000, -0.0000,  
-0.0000

■ 66.9810, -7.0160,  
6.0080

■ 140.6220, -7.3830,  
7.1530

■ 44.7530, -6.3740,  
5.3860

■ 167.0350, -7.1080,  
7.6760

■ 23.7530, -6.3740,  
5.3860

■ 194.0350, -7.1080,  
7.6760

■ 2.7530, -6.3740,  
5.3860

■ 222.1490, -7.4290,  
7.9870

■ 0.0000, 0.0000,  
0.0000

■ 248.2110, -1.9720,  
2.7000

■ 90.3940, -6.7410,  
6.5310

■ 90.3940, -6.7410,  
6.5310

■ 80.6480, -10.2720,  
9.9520

■ 100.1400, -3.2100,  
3.1100

■ 70.9020, -13.8030,  
13.3730

■ 109.8860, 0.3210,  
-0.3110

■ 61.1560, -17.3340,  
16.7940

■ 119.6320, 3.8520,  
-3.7320

■ 51.4100, -20.8650,  
20.2150

■ 129.3780, 7.3830,  
-7.1530

■ 42.5500, -24.0750,  
23.3250

■ 138.2380, 10.5930,  
-10.2630

■ 32.8040, -27.6060,  
26.7460

■ 147.9840, 14.1240,  
-13.6840

■ 23.0580, -31.1370,  
30.1670

■ 157.7300, 17.6550,  
-17.1050

■ 13.3120, -34.6680,

■ 167.4760, 21.1860,

33.5880

-20.5260

■ 12.4260, -34.9890,  
33.8990

■ 177.2220, 24.7170,  
-23.9470

# Harmonies

## Analogous

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



88.6700, -16.5060, 1.7820



90.3940, -6.7410, 6.5310



91.8360, 3.7580, 8.9900

# Triad

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



90.3940, -6.7410, 6.5310



90.6230, 17.2390, 1.4550



86.3030, -14.3950, -8.9470

# Complementary

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



90.3940, -6.7410, 6.5310



106.6060, 6.7410, -6.5310

# 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.



86.9790, -4.6750, -8.8910



90.3940, -6.7410, 6.5310



89.4220, 13.2510, -3.3650

# Square

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



90.3940, -6.7410, 6.5310



91.2580, 17.0090, 5.6250



88.0080, 5.5490, -6.9550



85.6490, -21.1810, -7.1090



# Rectangle

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



90.3940, -6.7410, 6.5310



91.6580, 10.1310, 9.1310



88.0080, 5.5490, -6.9550



86.1570, -11.0480, -9.0320

# Sweetspot

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



90.3940, -6.7410, 6.5310



135.0260, -2.8890, 2.7990



102.7210, -12.5160, -4.4520



66.5700, -1.6050, 1.5550



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



90.3940, -6.7410, 6.5310



113.7620, -10.5930, 10.2630



93.3840, -0.7810, 8.6510



48.6840, -1.9260, 1.8660



13.3380, -37.5570, 36.3870



27.9300, -78.6450, 76.1950



# Inverse Universe

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



96.6730, 5.7750, 10.9830



123.6290, 9.0750, 17.2590



103.3170, 0.1850, -8.8630



50.4780, 1.6500, 3.1380



48.3210, 32.1750, 61.1910



101.1850, 67.3750, 128.1350



# Previews

## White Background



This preview shows how the YIQ color 90.3940, -6.7410, 6.5310 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 × Fail



# Black Background



This preview shows how the YIQ color 90.3940, -6.7410, 6.5310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

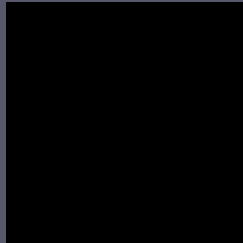
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 90.3940, -6.7410, 6.5310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 90.3940, -6.7410, 6.5310.



This preview shows how white text looks on a background with the YIQ color 90.3940, -6.7410,



# 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

90.3940, -6.7410, 6.5310

### Protanopia

90.1980, -9.1250, 5.6830

### Deuteranopia

90.6930, -6.1450, 6.7430



## Tritanopia

89.6020, -4.6310, 1.3290

# Trichromacy



## Original Color

90.3940, -6.7410, 6.5310

## Protanomaly

90.4970, -8.5290, 5.8950

## Deuteranomaly

90.6930, -6.1450, 6.7430

## Tritanomaly

89.7700, -5.0440, 3.3080

# Monochromacy



## Original Color

90.3940, -6.7410, 6.5310

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

89.9120, -2.5680, 2.4880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.3940, -6.7410, 6.5310 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(88, 88, 109)` looks like.

```
.text, #text, p{  
    color:rgb(88, 88, 109)  
}
```

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(88, 88, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 88, 109) }
```

## Border

The CSS property to change the border of an element to YIQ 90.3940, -6.7410, 6.5310 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(88, 88, 109) }
```



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

```
.border{ border-color:rgb(88, 88, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 88, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 88, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 88, 109);  
box-shadow:4px 4px 4px 4px rgb(88, 88,  
109) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.3940, -6.7410, 6.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 88, 109) }
```

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

```
.background{ background-color: rgb(88, 88,  
109) }
```

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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