

# Converting Colors

YIQ(113.8640, -4.8950,  
-59.9910)

Have a look what the booklet for  
YIQ(113.8640, -4.8950, -59.9910)  
contains.

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# Color

**YIQ(113.8640, -4.8950,  
-59.9910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	489A11
RGB	72, 154, 17
RGB Percent	28%, 60%, 7%
CMY	0.7179, 0.3959, 0.9332
CMYK	0.53, 0.00, 0.89, 0.40
HSL	96°, 80%, 34%
HSV	96°, 89%, 60%
XYZ	14.3297, 24.5380, 4.5123
YIQ	113.8640, -4.8950, -59.9910

# Conversions

## Conversions Part 2

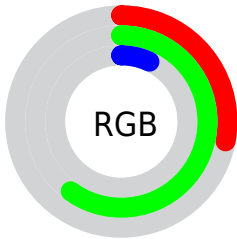
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 154, 99
Decimal	4758033
CIELab	56.62, -46.91, 56.00
CIELCh	57, 73.053, 129.954
Yxy	24.5380, 0.3303, 0.5657
Android (android.graphics.Color)	4282948113 (0xFF489A11)
YUV	113.8640, -47.7540, -36.7147
Hunter-Lab	49.5358, -35.0511, 29.2743

# Details

The YIQ color **113.8640, -4.8950, -59.9910** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **57.1360, 4.8950, 59.9910**, and the grayscale version is **114.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.0320, -5.3080, -58.0120**, and **59.8740, -28.0500, -53.3460** is the 20% darker color. If you saturate the color by 10%, you get **109.4630, -5.4440, -66.5640**, and if you desaturate by 10%, it is **118.2650, -4.3460, -53.4180**.

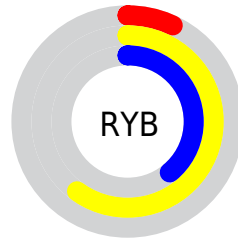
# Distribution



Red (28%)

Green (60%)

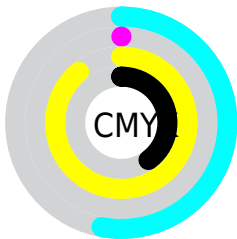
Blue (7%)



Red (7%)

Yellow (60%)

Blue (39%)

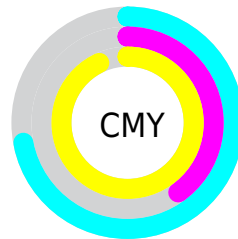


Cyan (53%)

Magenta (0%)

Yellow (89%)

Black (40%)



Cyan (72%)

Magenta (40%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 113.8640, -4.8950, -59.9910 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 113.8640, -4.8950, -59.9910 by changing the saturation by 10% instead.



■ 113.8640, -4.8950,  
-59.9910

■ 113.8640, -4.8950,  
-59.9910

■ 255.0000, -0.0000,  
-0.0000

■ 87.3950, -10.7640,  
-58.2520

■ 170.0320, -5.3080,  
-58.0120

■ 59.8740, -28.0500,  
-53.3460

■ 198.5050, -5.2620,  
-58.8460

■ 45.1990, -21.1750,  
-40.2710

■ 220.2330, -1.3200,  
-53.1920

■ 31.1110, -14.5750,  
-27.7190

■ 232.0960, 6.9760,  
-38.3360

■ 18.1970, -8.5250,  
-16.2130

■ 244.2580, 15.8680,  
-23.2680

■ 0.0000, 0.0000,  
0.0000

■ 250.5540, 12.5190,

-12.1290

■ 253.8600, 3.2100,  
-3.1100

■ 113.8640, -4.8950,  
-59.9910

■ 113.8640, -4.8950,  
-59.9910

■ 109.4630, -5.4440,  
-66.5640

■ 118.2650, -4.3460,  
-53.4180

■ 108.9360, -5.3980,  
-67.3980

■ 122.7800, -4.1180,  
-46.5340

■ 127.4800, -2.9730,  
-39.7490

■ 131.9950, -2.7450,  
-32.8650

■ 136.3960, -2.1960,  
-26.2920

■ 140.7970, -1.6470,  
-19.7190

■ 145.6110, -0.8230,  
-12.6230

■ 150.0120, -0.2740,  
-6.0500

■ 154.5270, -0.0460,  
0.8340

# Harmonies

## Analogous

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



125.2360, 47.3240, -42.6920



113.8640, -4.8950, -59.9910



104.6530, -72.8440, -56.5240

# Triad

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



113.8640, -4.8950, -59.9910



120.0550, -124.4800, -1.7600



123.5850, 92.6050, 56.3250

# Complementary

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



113.8640, -4.8950, -59.9910



57.1360, 4.8950, 59.9910

# 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.



132.2330, 55.9700, 64.9780



113.8640, -4.8950, -59.9910



109.4890, -119.5300, 7.6540

# Square

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



113.8640, -4.8950, -59.9910



120.4190, -114.4820, -17.7620



138.8090, -7.6660, 50.8460



127.2450, 98.1130, 22.5690



# Rectangle

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



113.8640, -4.8950, -59.9910



111.5440, -88.1140, -44.0980



138.8090, -7.6660, 50.8460



124.6090, 84.0300, 63.0540

# Sweetspot

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



113.8640, -4.8950, -59.9910



185.2760, -1.7380, -23.5780



104.9230, 59.6520, -12.7960



92.2580, -1.3270, -14.5030



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



113.8640, -4.8950, -59.9910



142.2060, -6.9990, -87.9510



98.6730, -41.2060, -68.2300



74.5930, -0.4120, -3.5480



98.9240, -5.1240, -61.3480



9.1260, -0.5950, -5.7390



# Inverse Universe

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



57.1360, 4.8950, 59.9910



59.0930, 7.5950, 88.1630



72.3270, 41.2060, 68.2300



71.1080, -0.1840, 3.3360



41.0760, 5.1240, 61.3480



3.8740, 0.5950, 5.7390



# Previews

## White Background



This preview shows how the YIQ color 113.8640, -4.8950, -59.9910 looks on a white 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



# Black Background



This preview shows how the YIQ color 113.8640, -4.8950, -59.9910 looks on a black 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

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

# YIQ 113.8640, -4.8950, -59.9910

## Background



This preview shows how black text looks on a background with the YIQ color 113.8640, -4.8950, -59.9910.



This preview shows how white text looks on a background with the YIQ color 113.8640, -4.8950,

-59.9910.

# 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

113.8640, -4.8950, -59.9910

### Protanopia

125.7190, 50.5780, -35.5820

### Deuteranopia

129.9560, 54.8850, -20.0190



## Tritanopia

129.7170, -33.0560, -6.6560

# Trichromacy



## Original Color

113.8640, -4.8950, -59.9910

## Protanomaly

121.4990, 30.4060, -44.4580

## Deuteranomaly

123.6770, 33.2010, -34.5350

## Tritanomaly

123.9730, -22.8740, -25.9940

# Monochromacy



## Original Color

113.8640, -4.8950, -59.9910

## Achromatopsia

114.0000, 0.0000, 0.0000

## Achromatomaly

114.3300, -1.8300, -21.9100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 113.8640, -4.8950, -59.9910 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(72, 154, 17)` looks like.

```
.text, #text, p{  
    color:rgb(72, 154, 17)  
}
```

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(72, 154, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 154, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 113.8640, -4.8950, -59.9910 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(72, 154, 17) }
```



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

```
.border{ border-color:rgb(72, 154, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 154, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 154, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 154, 17);  
box-shadow:4px 4px 4px 4px rgb(72, 154,  
17) }
```

# Background

The CSS property to change the background color of an element to YIQ 113.8640, -4.8950, -59.9910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 154, 17) }
```

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

```
.background{ background-color: rgb(72, 154,  
17) }
```

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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