

# Converting Colors

YIQ(59.4410, 20.2670, -9.3730)

Have a look what the booklet for  
YIQ(59.4410, 20.2670, -9.3730)  
contains.

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# Color

**YIQ(59.4410, 20.2670,  
-9.3730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	493C15
RGB	73, 60, 21
RGB Percent	29%, 24%, 8%
CMY	0.7137, 0.7647, 0.9175
CMYK	0.00, 0.18, 0.71, 0.71
HSL	45°, 55%, 18%
HSV	45°, 71%, 29%
XYZ	4.4990, 4.7019, 1.3813
YIQ	59.4410, 20.2670, -9.3730

# Conversions

## Conversions Part 2

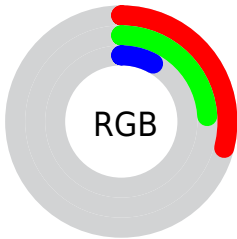
<b>Format</b>	<b>Color</b>
<b>RYB</b>	38, 73, 21
Decimal	4799509
CIELab	25.87, 0.40, 25.54
CIELCh	26, 25.545, 89.098
Yxy	4.7019, 0.4251, 0.4443
Android (android.graphics.Color)	4282989589 (0xFF493C15)
YUV	59.4410, -18.9514, 11.8912
Hunter-Lab	21.6839, -0.9117, 11.4019

# Details

The YIQ color **59.4410, 20.2670, -9.3730** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **34.5590, -20.2670, 9.3730**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **107.4090, 23.2930, -9.1470**, and **18.3400, 10.5460, -3.9020** is the 20% darker color. If you saturate the color by 10%, you get **57.4690, 23.0640, -10.5040**, and if you desaturate by 10%, it is **61.4130, 17.4700, -8.2420**.

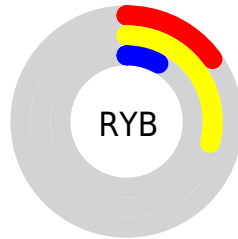
# Distribution



Red (29%)

Green (24%)

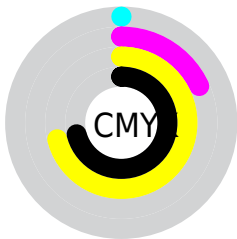
Blue (8%)



Red (15%)

Yellow (29%)

Blue (8%)

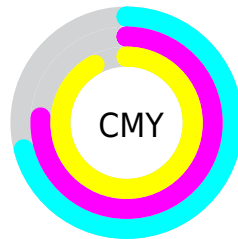


Cyan (0%)

Magenta (18%)

Yellow (71%)

Black (71%)



Cyan (71%)

Magenta (76%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.4410, 20.2670, -9.3730 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 59.4410, 20.2670, -9.3730 by changing the saturation by 10% instead.



■ 59.4410, 20.2670,  
-9.3730

■ 59.4410, 20.2670,  
-9.3730

■ 254.5440, 1.2840,  
-1.2440

■ 37.2560, 19.3500,  
-9.2740

■ 107.4090, 23.2930,  
-9.1470

■ 18.3400, 10.5460,  
-3.9020

■ 132.4800, 24.5310,  
-9.5570

■ 0.0000, 0.0000,  
0.0000

■ 158.6650, 25.4480,  
-9.6560

■ 185.8500, 26.3650,  
-9.7550

■ 214.0350, 27.2820,  
-9.8540

■ 239.8280, 23.4310,

-11.6490

■ 251.2380, 10.5930,  
-10.2630

■ 59.4410, 20.2670,  
-9.3730

■ 59.4410, 20.2670,  
-9.3730

■ 57.4690, 23.0640,  
-10.5040

■ 61.4130, 17.4700,  
-8.2420

■ 55.3830, 26.1820,  
-11.9460

■ 63.4990, 14.3520,  
-6.8000

■ 54.1120, 28.3830,  
-13.2890

■ 64.8840, 11.8300,  
-5.1460

■ 66.8560, 9.0330,  
-4.0150

■ 68.9420, 5.9150,  
-2.5730

■ 70.9140, 3.1180,  
-1.4420

■ 72.8860, 0.3210,  
-0.3110

■ 74.8580, -2.4760,  
0.8200

■ 76.3570, -5.3190,  
2.7850

# Harmonies

## Analogous

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



60.6150, 28.8850, -0.3550



59.4410, 20.2670, -9.3730



57.5530, 5.0920, -15.1960

# Triad

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



59.4410, 20.2670, -9.3730



50.7970, -45.2050, -12.2530



63.4120, 11.1840, 17.5840

# Complementary

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



59.4410, 20.2670, -9.3730



34.5590, -20.2670, 9.3730

# 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.



61.9410, -9.5390, 13.1890



59.4410, 20.2670, -9.3730



50.6320, -48.8740, -6.3300

# Square

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



59.4410, 20.2670, -9.3730



48.5170, -38.7850, -18.4730



54.9590, -36.3130, 2.8150



62.3010, 24.6180, 16.4100



# Rectangle

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



59.4410, 20.2670, -9.3730



55.2680, -7.2870, -16.6230



54.9590, -36.3130, 2.8150



63.1770, 4.5360, 16.9200

# Sweetspot

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



59.4410, 20.2670, -9.3730



88.8990, 7.4740, -3.2940



38.1440, 26.4980, 15.3780



44.8710, 4.6770, -2.1630



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



59.4410, 20.2670, -9.3730



73.1400, 31.1800, -14.4200



63.4840, 9.5400, -18.7160



34.9570, 1.5590, -0.7210



73.6260, 38.3790, -18.2370



167.6630, 88.5420, -40.7860



# Inverse Universe

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



34.5590, -20.2670, 9.3730



34.8600, -31.1800, 14.4200



30.5160, -9.5400, 18.7160



33.0430, -1.5590, 0.7210



25.9610, -38.6540, 17.7140



59.3370, -88.5420, 40.7860



# Previews

## White Background



This preview shows how the YIQ color 59.4410, 20.2670, -9.3730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

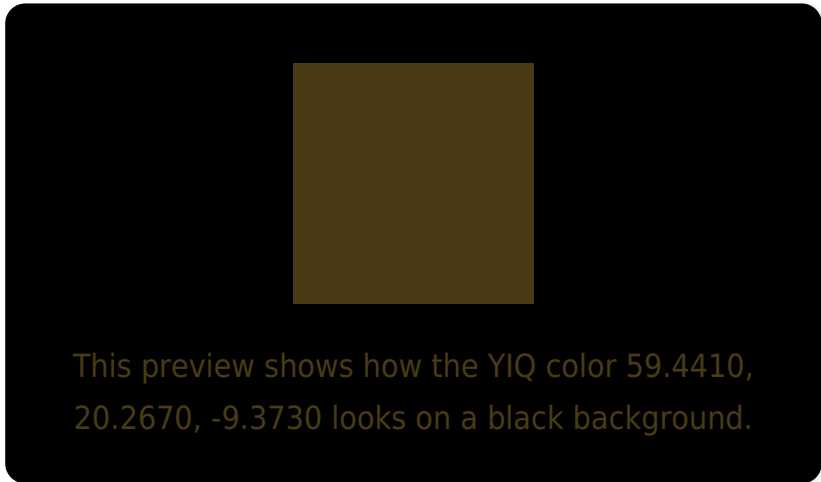
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

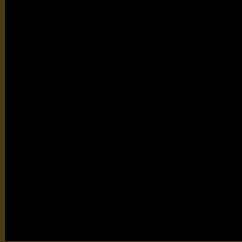
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 59.4410, 20.2670, -9.3730**

## **Background**



This preview shows how black text looks on a background with the YIQ color 59.4410, 20.2670, -9.3730.



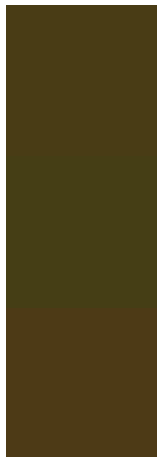
This preview shows how white text looks on a background with the YIQ color 59.4410, 20.2670, -9.3730.

-9.3730.

# 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

59.4410, 20.2670, -9.3730

### Protanopia

59.4190, 17.3330, -11.2670

### Deuteranopia

59.5770, 22.8800, -7.1680



## Tritanopia

62.4360, 10.6360, 5.4840

# Trichromacy



## Original Color

59.4410, 20.2670, -9.3730

## Protanomaly

59.1310, 18.2040, -10.5320

## Deuteranomaly

59.8650, 22.0090, -7.9030

## Tritanomaly

61.1280, 14.2590, 0.3950

# Monochromacy



## Original Color

59.4410, 20.2670, -9.3730

## Achromatopsia

59.0000, 0.0000, -0.0000

## Achromatomaly

58.8990, 7.4740, -3.2940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.4410, 20.2670, -9.3730 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(73, 60, 21)` looks like.

```
.text, #text, p{  
    color:rgb(73, 60, 21)  
}
```

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(73, 60, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 60, 21) }
```

## Border

The CSS property to change the border of an element to YIQ 59.4410, 20.2670, -9.3730 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(73, 60, 21) }
```



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

```
.border{ border-color:rgb(73, 60, 21) }
```

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

Here you see how a box with a 4 pixel rgb(73, 60, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 60, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 60, 21);  
box-shadow:4px 4px 4px 4px rgb(73, 60, 21)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 59.4410, 20.2670, -9.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 60, 21) }
```

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

```
.background{ background-color: rgb(73, 60,  
21) }
```

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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