

# Converting Colors

YIQ(54.2310, 3.3030, -10.3050)

Have a look what the booklet for  
YIQ(54.2310, 3.3030, -10.3050)  
contains.

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# Color

**YIQ(54.2310, 3.3030,  
-10.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	333C21
RGB	51, 60, 33
RGB Percent	20%, 24%, 13%
CMY	0.8000, 0.7647, 0.8706
CMYK	0.15, 0.00, 0.45, 0.76
HSL	80°, 29%, 18%
HSV	80°, 45%, 24%
XYZ	3.2554, 4.0455, 2.0488
YIQ	54.2310, 3.3030, -10.3050

# Conversions

## Conversions Part 2

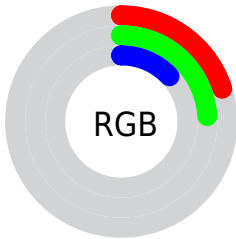
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 60, 42
Decimal	3357729
CIELab	23.82, -9.27, 15.46
CIELCh	24, 18.026, 120.932
Yxy	4.0455, 0.3482, 0.4327
Android (android.graphics.Color)	4281547809 (0xFF333C21)
YUV	54.2310, -10.4669, -2.8336
Hunter-Lab	20.1135, -6.3077, 8.0401

# Details

The YIQ color **54.2310, 3.3030, -10.3050** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **38.7690, -3.3030, 10.3050**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **101.0030, 3.9450, -10.9270**, and **10.5660, -4.9500, -9.4140** is the 20% darker color. If you saturate the color by 10%, you get **52.9490, 4.0370, -12.5950**, and if you desaturate by 10%, it is **55.5130, 2.5690, -8.0150**.

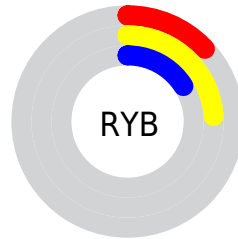
# Distribution



Red (20%)

Green (24%)

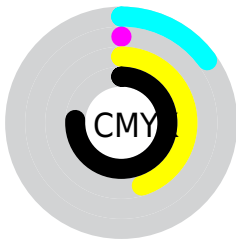
Blue (13%)



Red (13%)

Yellow (24%)

Blue (16%)

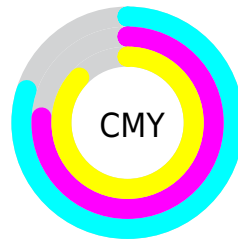


Cyan (15%)

Magenta (0%)

Yellow (45%)

Black (76%)



Cyan (80%)

Magenta (76%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 54.2310, 3.3030, -10.3050 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 54.2310, 3.3030, -10.3050 by changing the saturation by 10% instead.



■ 54.2310, 3.3030,  
-10.3050

■ 54.2310, 3.3030,  
-10.3050

■ 255.0000, -0.0000,  
-0.0000

■ 32.5300, 3.8990,  
-10.0930

■ 101.0030, 3.9450,  
-10.9270

■ 10.5660, -4.9500,  
-9.4140

■ 126.4760, 3.9910,  
-11.7610

■ 0.0000, 0.0000,  
0.0000

■ 152.3620, 4.3120,  
-12.0720

■ 179.2480, 4.6330,  
-12.3830

■ 206.2480, 4.6330,  
-12.3830

■ 234.7210, 4.6790,

-13.2170

■ 252.8340, 6.0990,  
-5.9090

■ 54.2310, 3.3030,  
-10.3050

■ 54.2310, 3.3030,  
-10.3050

■ 52.9490, 4.0370,  
-12.5950

■ 55.5130, 2.5690,  
-8.0150

■ 51.6670, 4.7710,  
-14.8850

■ 56.7950, 1.8350,  
-5.7250

■ 50.3850, 5.5050,  
-17.1750

■ 58.0770, 1.1010,  
-3.4350

■ 49.1030, 6.2390,  
-19.4650

■ 59.3590, 0.3670,  
-1.1450

■ 47.8210, 6.9730,  
-21.7550

■ 60.6410, -0.3670,  
1.1450

■ 47.1800, 7.3400,  
-22.9000

■ 61.9230, -1.1010,  
3.4350

■ 63.2050, -1.8350,  
5.7250

■ 64.4870, -2.5690,  
8.0150

■ 65.7690, -3.3030,  
10.3050

# Harmonies

## Analogous

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



55.6130, 14.0310, -6.4890



54.2310, 3.3030, -10.3050



52.3480, -10.2680, -12.1560

# Triad

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



54.2310, 3.3030, -10.3050



48.8030, -36.1740, -5.2140



58.0180, 17.9250, 11.0530

# Complementary

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



54.2310, 3.3030, -10.3050



38.7690, -3.3030, 10.3050

# 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.



58.2820, 8.4340, 12.3540



54.2310, 3.3030, -10.3050



54.6850, -20.8620, 3.6340

# Square

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



54.2310, 3.3030, -10.3050



45.5480, -40.0700, -11.7020



57.8720, -5.0910, 9.6690



57.0090, 22.1440, 6.1760



# Rectangle

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



54.2310, 3.3030, -10.3050



50.0740, -21.1800, -12.6360



57.8720, -5.0910, 9.6690



57.8760, 15.4490, 11.8730

# Sweetspot

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



54.2310, 3.3030, -10.3050



76.9630, 1.4220, -3.7460



46.3560, 13.6170, 1.0170



39.6040, 1.0550, -2.6010



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000



# Same Dimension

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



54.2310, 3.3030, -10.3050



69.9120, 5.4590, -16.3410



50.3440, -4.4450, -13.0610



30.3590, 0.3670, -1.1450



74.0150, 11.6980, -35.8060



174.5660, 27.1580, -84.7300



# Inverse Universe

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



38.7690, -3.3030, 10.3050



45.3870, -4.8630, 16.5530



42.9550, 5.0410, 13.2730



28.6410, -0.3670, 1.1450



20.2840, -11.1020, 36.0180



47.4340, -27.1580, 84.7300



# Previews

## White Background



This preview shows how the YIQ color 54.2310, 3.3030, -10.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

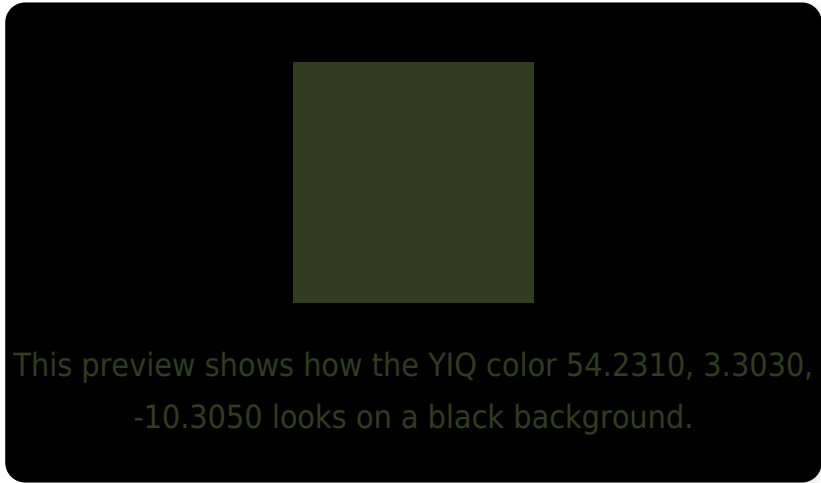
Any Text WCAG AA ✓ Pass

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

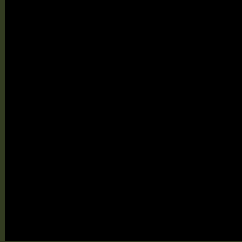
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 54.2310, 3.3030, -10.3050**

## **Background**



This preview shows how black text looks on a background with the YIQ color 54.2310, 3.3030, -10.3050.



This preview shows how white text looks on a background with the YIQ color 54.2310, 3.3030,

-10.3050.

# 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

54.2310, 3.3030, -10.3050

### Protanopia

55.6450, 11.0050, -6.7150

### Deuteranopia

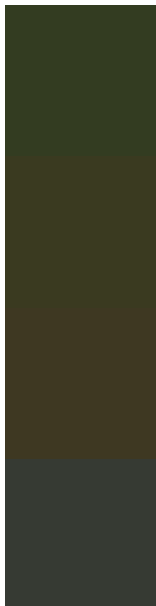
56.2050, 15.3600, -3.0400



## Tritanopia

56.8580, -2.4760, 0.8200

# Trichromacy



## Original Color

54.2310, 3.3030, -10.3050

## Protanomaly

55.0360, 8.3460, -8.0860

## Deuteranomaly

55.2860, 10.6380, -5.5700

## Tritanomaly

56.0060, -0.1370, -3.0250

# Monochromacy



## Original Color

54.2310, 3.3030, -10.3050

## Achromatopsia

54.0000, -0.0000, 0.0000

## Achromatomaly

53.9630, 1.4220, -3.7460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 54.2310, 3.3030, -10.3050 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(51, 60, 33)` looks like.

```
.text, #text, p{  
    color:rgb(51, 60, 33)  
}
```

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(51, 60, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 60, 33) }
```

## Border

The CSS property to change the border of an element to YIQ 54.2310, 3.3030, -10.3050 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(51, 60, 33) }
```



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

```
.border{ border-color:rgb(51, 60, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 60, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 60, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 60, 33);  
box-shadow:4px 4px 4px 4px rgb(51, 60, 33)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 54.2310, 3.3030, -10.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 60, 33) }
```

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

```
.background{ background-color: rgb(51, 60,  
33) }
```

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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