

# Converting Colors

YIQ(163.3810, 53.7450,  
-54.4390)

Have a look what the booklet for  
YIQ(163.3810, 53.7450, -54.4390)  
contains.

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# Color

**YIQ(163.3810, 53.7450,  
-54.4390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5B80B
RGB	181, 184, 11
RGB Percent	71%, 72%, 4%
CMY	0.2903, 0.2784, 0.9564
CMYK	0.02, 0.00, 0.94, 0.28
HSL	61°, 89%, 38%
HSV	61°, 94%, 72%
XYZ	36.2508, 44.1259, 6.9258
YIQ	163.3810, 53.7450, -54.4390

# Conversions

## Conversions Part 2

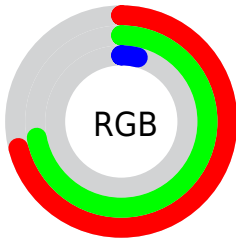
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 184, 14
Decimal	11909131
CIELab	72.31, -18.06, 72.43
CIElCh	72, 74.643, 103.999
Yxy	44.1259, 0.4152, 0.5054
Android (android.graphics.Color)	4290099211 (0xFFB5B80B)
YUV	163.3810, -75.1238, 15.4519
Hunter-Lab	66.4273, -18.8367, 40.3174

# Details

The YIQ color **163.3810, 53.7450, -54.4390** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **31.6190, -53.7450, 54.4390**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **222.1020, 50.3970, -48.8270**, and **113.9730, 37.8790, -42.2250** is the 20% darker color. If you saturate the color by 10%, you get **162.1270, 57.2760, -57.8600**, and if you desaturate by 10%, it is **165.5470, 47.6460, -48.5300**.

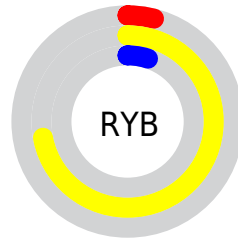
# Distribution



Red (71%)

Green (72%)

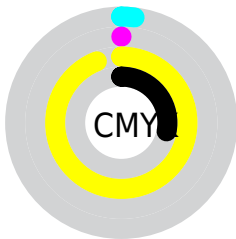
Blue (4%)



Red (4%)

Yellow (72%)

Blue (5%)

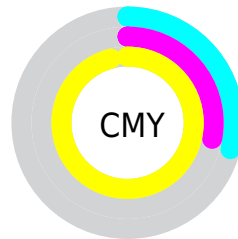


Cyan (2%)

Magenta (0%)

Yellow (94%)

Black (28%)



Cyan (29%)

Magenta (28%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 163.3810, 53.7450, -54.4390 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 163.3810, 53.7450, -54.4390 by changing the saturation by 10% instead.



■ 163.3810, 53.7450,  
-54.4390

■ 163.3810, 53.7450,  
-54.4390

■ 255.0000, -0.0000,  
-0.0000

■ 137.6070, 47.4170,  
-49.8870

■ 222.1020, 50.3970,  
-48.8270

■ 113.9730, 37.8790,  
-42.2250

■ 238.6980, 45.9030,  
-44.4730

■ 90.9260, 28.0660,  
-35.0860

■ 241.8900, 36.9150,  
-35.7650

■ 68.4660, 17.9780,  
-28.4700

■ 245.1960, 27.6060,  
-26.7460

■ 47.1910, 8.8070,  
-21.9530

■ 248.3880, 18.6180,  
-18.0380

■ 27.0900, -0.9140,  
-16.4820

■ 251.8080, 8.9880,

■ 8.8050, -4.1250,

-8.7080

-7.8450

■ 0.0000, 0.0000,  
0.0000

■ 163.3810, 53.7450,  
-54.4390

■ 163.3810, 53.7450,  
-54.4390

■ 162.1270, 57.2760,  
-57.8600

■ 165.5470, 47.6460,  
-48.5300

■ 167.8980, 42.4640,  
-42.7200

■ 169.9500, 36.6860,  
-37.1220

■ 172.1160, 30.5870,  
-31.2130

■ 174.4670, 25.4050,  
-25.4030

■ 176.6330, 19.3060,  
-19.4940

■ 178.6850, 13.5280,  
-13.8960

■ 181.0360, 8.3460,  
-8.0860

■ 183.2020, 2.2470,  
-2.1770

# Harmonies

## Analogous

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



169.8720, 90.0520, -24.0920



163.3810, 53.7450, -54.4390



155.4050, -16.7240, -60.3720

# Triad

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



163.3810, 53.7450, -54.4390



149.9920, -138.5050, -28.4330



169.0750, 50.4230, 60.8790

# Complementary

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



163.3810, 53.7450, -54.4390



31.6190, -53.7450, 54.4390

# 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.



179.6770, 10.2610, 50.8450



163.3810, 53.7450, -54.4390



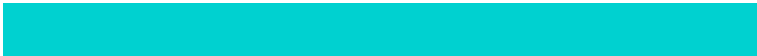
143.5350, -135.4800, -22.6800

# Square

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



163.3810, 53.7450, -54.4390



146.3950, -124.2430, -44.6190



159.6130, -73.0850, 8.4430



157.6870, 74.2220, 42.5580



# Rectangle

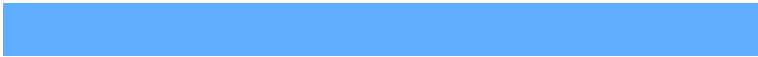
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



163.3810, 53.7450, -54.4390



133.3310, -92.9690, -71.7610



159.6130, -73.0850, 8.4430



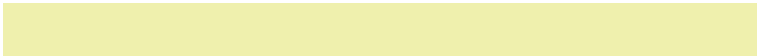
176.1650, 41.4820, 63.2260

# Sweetspot

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



163.3810, 53.7450, -54.4390



232.0630, 20.9110, -21.0490



64.4880, 102.2830, 35.1070



115.0270, 12.5650, -12.9630



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



163.3810, 53.7450, -54.4390



211.1450, 74.0600, -75.7000



137.6670, 2.4890, -72.6710



90.9740, 2.8890, -2.7990



137.3190, 48.2880, -49.1520



24.8080, 8.9880, -8.7080



# Inverse Universe

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



31.6190, -53.7450, 54.4390



28.5560, -74.6560, 75.4880



57.3330, -2.4890, 72.6710



84.0260, -2.8890, 2.7990



18.6810, -48.2880, 49.1520



3.1920, -8.9880, 8.7080



# Previews

## White Background



This preview shows how the YIQ color 163.3810, 53.7450, -54.4390 looks on a white 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



# Black Background



This preview shows how the YIQ color 163.3810, 53.7450, -54.4390 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 ✓ Pass

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

# YIQ 163.3810, 53.7450, -54.4390

## Background



This preview shows how black text looks on a background with the YIQ color 163.3810, 53.7450, -54.4390.



This preview shows how white text looks on a background with the YIQ color 163.3810, 53.7450, -54.4390.

-54.4390.

# 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

163.3810, 53.7450, -54.4390

### Protanopia

164.8560, 68.6450, -49.1390

### Deuteranopia

169.0120, 77.6740, -31.0460



## Tritanopia

179.0600, 8.9390, 8.7070

# Trichromacy



## Original Color

163.3810, 53.7450, -54.4390

## Protanomaly

164.1650, 63.2810, -51.0470

## Deuteranomaly

166.9520, 68.7350, -39.7530

## Tritanomaly

173.6170, 25.4030, -14.3490

# Monochromacy



## Original Color

163.3810, 53.7450, -54.4390

## Achromatopsia

163.0000, -0.0000, -0.0000

## Achromatomaly

163.5190, 19.6270, -19.8050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 163.3810, 53.7450, -54.4390 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(181, 184, 11)` looks like.

```
.text, #text, p{  
    color:rgb(181, 184, 11)  
}
```

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(181, 184, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 184, 11) }
```

## Border

The CSS property to change the border of an element to YIQ 163.3810, 53.7450, -54.4390 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(181, 184, 11) }
```



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

```
.border{ border-color:rgb(181, 184, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 184, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 184, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 184, 11);  
box-shadow:4px 4px 4px 4px rgb(181, 184,  
11) }
```

# Background

The CSS property to change the background color of an element to YIQ 163.3810, 53.7450, -54.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 184, 11) }
```

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

```
.background{ background-color: rgb(181,  
184, 11) }
```

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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