

# Converting Colors

YIQ(208.4370, 23.8080,  
-68.0640)

Have a look what the booklet for  
YIQ(208.4370, 23.8080, -68.0640)  
contains.

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# Color

**YIQ(208.4370, 23.8080,  
-68.0640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDF642
RGB	189, 246, 66
RGB Percent	74%, 96%, 26%
CMY	0.2591, 0.0352, 0.7409
CMYK	0.23, 0.00, 0.73, 0.04
HSL	79°, 91%, 61%
HSV	79°, 73%, 96%
XYZ	54.9186, 77.1306, 17.1567
YIQ	208.4370, 23.8080, -68.0640

# Conversions

## Conversions Part 2

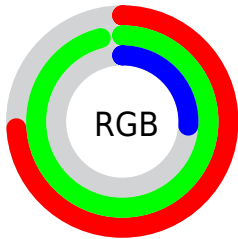
Format	Color
<b>RYB</b>	66, 246, 123
Decimal	12449346
CIELab	90.38, -42.09, 75.39
CIElCh	90, 86.346, 119.174
Yxy	77.1306, 0.3681, 0.5169
Android (android.graphics.Color)	4290639426 (0xFFBDF642)
YUV	208.4370, -70.2214, -17.0462
Hunter-Lab	87.8240, -42.0714, 49.8944

# Details

The YIQ color  $208.4370, 23.8080, -68.0640$  is a light color, and the websafe version is hex  $CCFF33$ . The color can be described as light washed chartreuse. A complement of this color would be  $103.5630, -23.8080, 68.0640$ , and the grayscale version is  $209.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $238.3860, 38.1540, -41.7020$ , and  $150.1120, 26.1010, -71.0750$  is the 20% darker color. If you saturate the color by 10%, you get  $203.1950, 27.0650, -77.5350$ , and if you desaturate by 10%, it is  $213.6790, 20.5510, -58.5930$ .

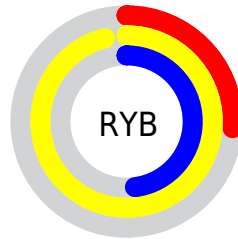
# Distribution



Red (74%)

Green (96%)

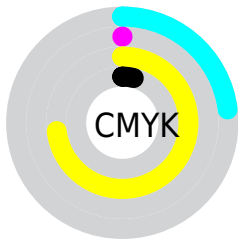
Blue (26%)



Red (26%)

Yellow (96%)

Blue (48%)

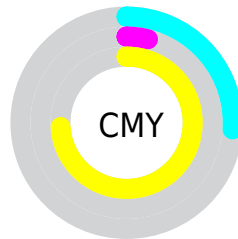


Cyan (23%)

Magenta (0%)

Yellow (73%)

Black (4%)



Cyan (26%)

Magenta (4%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 208.4370, 23.8080, -68.0640 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 208.4370, 23.8080, -68.0640 by changing the saturation by 10% instead.



■ 208.4370, 23.8080,  
-68.0640

■ 208.4370, 23.8080,  
-68.0640

■ 255.0000, -0.0000,  
-0.0000

■ 178.6390, 26.0550,  
-70.2410

■ 238.3860, 38.1540,  
-41.7020

■ 150.1120, 26.1010,  
-71.0750

■ 243.4860, 32.4210,  
-31.4110

■ 125.5920, 16.2420,  
-63.1020

■ 246.7920, 23.1120,  
-22.3920

■ 101.6590, 6.1080,  
-55.6520

■ 250.0980, 13.8030,  
-13.3730

■ 77.1280, -5.2180,  
-48.6260

■ 253.5180, 4.1730,  
-4.0430

■ 49.8950, -23.3750,  
-44.4550

■ 35.8070, -16.7750,

-31.9030

■ 23.4800, -11.0000,  
-20.9200

■ 1.7610, -0.8250,  
-1.5690

■ 208.4370, 23.8080,  
-68.0640

■ 208.4370, 23.8080,  
-68.0640

■ 203.1950, 27.0650,  
-77.5350

■ 213.6790, 20.5510,  
-58.5930

■ 198.0670, 30.0010,  
-86.6950

■ 218.8070, 17.6150,  
-49.4330

■ 194.6340, 32.4780,  
-93.0420

■ 223.7500, 13.7620,  
-40.1740

■ 228.8780, 10.8260,  
-31.0140

■ 234.1200, 7.5690,  
-21.5430

■ 239.3620, 4.3120,  
-12.0720

■ 244.4900, 1.3760,  
-2.9120

■ 248.5210, 0.0910,  
3.8590

■ 249.7170, 2.4750,  
4.7070

# Harmonies

## Analogous

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



210.9080, 80.0620, -52.3060



208.4370, 23.8080, -68.0640



180.0680, -85.2190, -80.0590

# Triad

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



208.4370, 23.8080, -68.0640



178.7550, -151.9800, -54.0600



189.0960, 36.7620, 49.6420

# Complementary

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



208.4370, 23.8080, -68.0640



103.5630, -23.8080, 68.0640

# 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.



205.1050, 23.3750, 44.4550



208.4370, 23.8080, -68.0640



168.7760, -147.3050, -45.1690

# Square

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



208.4370, 23.8080, -68.0640



178.7550, -151.9800, -54.0600



216.3700, -6.1930, 18.6310



186.3190, 59.7380, 18.6980



# Rectangle

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



208.4370, 23.8080, -68.0640



171.8010, -132.3990, -73.0310



216.3700, -6.1930, 18.6310



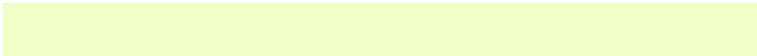
193.9520, 28.6000, 54.3920

# Sweetspot

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



208.4370, 23.8080, -68.0640



243.2340, 7.2480, -21.2320



153.2790, 91.6050, 8.3490



120.8350, 4.3580, -12.9060



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



208.4370, 23.8080, -68.0640



208.2350, 29.5880, -84.7160



181.5270, -29.8320, -87.1440



119.7350, 2.0640, -4.3680



147.1550, 24.5420, -70.3540



46.5930, 7.6150, -22.3770



# Inverse Universe

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



103.5630, -23.8080, 68.0640



77.7650, -29.5880, 84.7160



130.4730, 29.8320, 87.1440



112.5640, -1.4680, 4.5800



38.8450, -24.5420, 70.3540

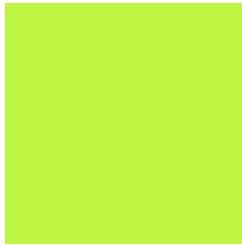


12.4070, -7.6150, 22.3770



# Previews

## White Background



This preview shows how the YIQ color 208.4370, 23.8080, -68.0640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

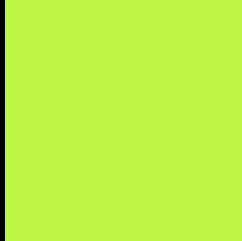
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 208.4370, 23.8080, -68.0640 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 208.4370, 23.8080, -68.0640

## Background



This preview shows how black text looks on a background with the YIQ color 208.4370, 23.8080, -68.0640.



This preview shows how white text looks on a background with the YIQ color 208.4370, 23.8080, -68.0640.

-68.0640.

# 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

208.4370, 23.8080, -68.0640

### Protanopia

216.1490, 69.3780, -45.9020

### Deuteranopia

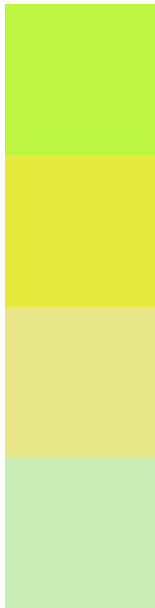
226.0360, 34.7090, -6.7870



## Tritanopia

225.7730, -18.2940, 1.1460

# Trichromacy



## Original Color

208.4370, 23.8080, -68.0640

## Protanomaly

213.3100, 52.5070, -54.0290

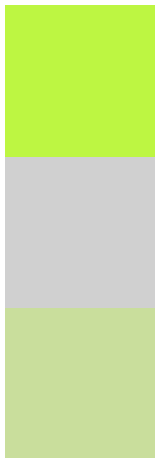
## Deuteranomaly

219.5830, 30.7700, -29.0220

## Tritanomaly

219.6780, -2.9300, -24.0020

# Monochromacy



## Original Color

208.4370, 23.8080, -68.0640

## Achromatopsia

208.0000, -0.0000, -0.0000

## Achromatomaly

208.1970, 8.6700, -24.9780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 208.4370, 23.8080, -68.0640 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(189, 246, 66)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 66)  
}
```

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(189, 246, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 66) }
```

## Border

The CSS property to change the border of an element to YIQ 208.4370, 23.8080, -68.0640 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(189, 246, 66) }
```



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

```
.border{ border-color:rgb(189, 246, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 246, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 246, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 246, 66);  
box-shadow:4px 4px 4px 4px rgb(189, 246,  
66) }
```

# Background

The CSS property to change the background color of an element to YIQ 208.4370, 23.8080, -68.0640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 66) }
```

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

```
.background{ background-color: rgb(189,  
246, 66) }
```

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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