

# Converting Colors

YIQ(83.3050, 34.8490, -20.3430)

Have a look what the booklet for  
YIQ(83.3050, 34.8490, -20.3430)  
contains.

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# Color

**YIQ(83.3050, 34.8490,  
-20.3430)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68570A
RGB	104, 87, 10
RGB Percent	41%, 34%, 4%
CMY	0.5922, 0.6588, 0.9606
CMYK	0.00, 0.16, 0.90, 0.59
HSL	49°, 82%, 22%
HSV	49°, 90%, 41%
XYZ	9.1714, 9.7802, 1.6930
YIQ	83.3050, 34.8490, -20.3430

# Conversions

## Conversions Part 2

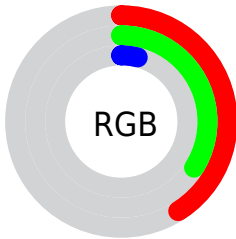
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 104, 10
Decimal	6838026
CIE Lab	37.44, -1.03, 42.23
CIE LCh	37, 42.241, 91.400
Yxy	9.7802, 0.4443, 0.4737
Android (android.graphics.Color)	4285028106 (0xFF68570A)
YUV	83.3050, -36.1394, 18.1495
Hunter-Lab	31.2733, -2.3803, 18.6816

# Details

The YIQ color **83.3050, 34.8490, -20.3430** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **30.6950, -34.8490, 20.3430**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **134.1420, 36.8660, -18.3500**, and **40.5010, 20.0380, -10.7300** is the 20% darker color. If you saturate the color by 10%, you get **80.9910, 38.6090, -22.4070**, and if you desaturate by 10%, it is **85.6190, 31.0890, -18.2790**.

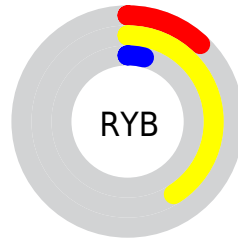
# Distribution



Red (41%)

Green (34%)

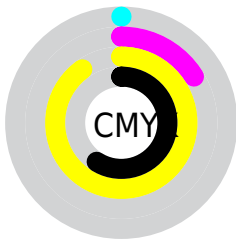
Blue (4%)



Red (12%)

Yellow (41%)

Blue (4%)

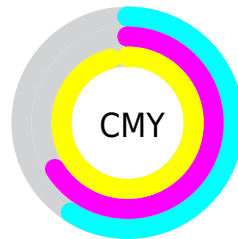


Cyan (0%)

Magenta (16%)

Yellow (90%)

Black (59%)



Cyan (59%)

Magenta (66%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.3050, 34.8490, -20.3430 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 83.3050, 34.8490, -20.3430 by changing the saturation by 10% instead.



83.3050, 34.8490,  
-20.3430

83.3050, 34.8490,  
-20.3430

254.4300, 1.6050,  
-1.5550

60.8900, 28.8880,  
-16.9360

134.1420, 36.8660,  
-18.3500

40.5010, 20.0380,  
-10.7300

161.2130, 38.1040,  
-18.7600

21.2860, 10.6380,  
-5.5700

188.5830, 39.9380,  
-18.9580

0.0000, 0.0000,  
0.0000

216.0670, 41.4510,  
-18.8450

239.4570, 31.3650,  
-23.2830

247.9320, 19.9020,

-19.2820

■ 251.1240, 10.9140,  
-10.5740

■ 83.3050, 34.8490,  
-20.3430

■ 83.3050, 34.8490,  
-20.3430

■ 80.9910, 38.6090,  
-22.4070

■ 85.6190, 31.0890,  
-18.2790

■ 88.0470, 27.0080,  
-15.9040

■ 90.3610, 23.2480,  
-13.8400

■ 92.7890, 19.1670,  
-11.4650

■ 94.5160, 15.6820,  
-8.8780

■ 96.8300, 11.9220,  
-6.8140

■ 99.2580, 7.8410,  
-4.4390

■ 101.5720, 4.0810,  
-2.3750

■ 104.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



85.6850, 49.0590, -2.5330



83.3050, 34.8490, -20.3430



80.0180, 7.6160, -27.9040

# Triad

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



83.3050, 34.8490, -20.3430



75.0700, -68.0830, -16.1390



90.2320, 21.0390, 31.7190

# Complementary

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



83.3050, 34.8490, -20.3430



30.6950, -34.8490, 20.3430

# 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.



89.4540, -14.9970, 24.0030



83.3050, 34.8490, -20.3430



75.5720, -75.0080, -6.2720

# Square

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



83.3050, 34.8490, -20.3430



71.1940, -57.1690, -26.7130



71.7880, -75.3760, 0.4000



86.5690, 44.8350, 29.9790



# Rectangle

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



83.3050, 34.8490, -20.3430



74.9640, -18.6550, -30.8710



71.7880, -75.3760, 0.4000



90.7300, 10.7690, 30.6170

# Sweetspot

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



83.3050, 34.8490, -20.3430



127.3740, 13.2060, -8.0580



40.0440, 50.5670, 25.2150



64.1440, 8.1620, -4.7500



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



83.3050, 34.8490, -20.3430



105.5220, 49.9350, -29.4330



84.3140, 12.2940, -35.5940



49.8430, 1.8800, -1.0320



89.5630, 42.6900, -24.7820



188.5840, 89.7820, -52.2500



# Inverse Universe

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



30.6950, -34.8490, 20.3430



29.4780, -49.9350, 29.4330



29.6860, -12.2940, 35.5940



47.1570, -1.8800, 1.0320



25.4370, -42.6900, 24.7820



53.4160, -89.7820, 52.2500



# Previews

## White Background



This preview shows how the YIQ color 83.3050, 34.8490, -20.3430 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



This preview shows how the YIQ color 83.3050, 34.8490, -20.3430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

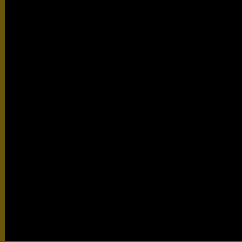
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 83.3050, 34.8490, -20.3430**

## **Background**



This preview shows how black text looks on a background with the YIQ color 83.3050, 34.8490, -20.3430.



This preview shows how white text looks on a background with the YIQ color 83.3050, 34.8490, -20.3430.

-20.3430.

# 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

83.3050, 34.8490, -20.3430

### Protanopia

83.3970, 31.5940, -21.9260

### Deuteranopia

84.2780, 39.4790, -16.1450



## Tritanopia

90.0560, 14.7620, 7.8020

# Trichromacy



## Original Color

83.3050, 34.8490, -20.3430

## Protanomaly

83.1090, 32.4650, -21.1910

## Deuteranomaly

83.8540, 37.7370, -17.6150

## Tritanomaly

87.4400, 22.0080, -2.3760

# Monochromacy



## Original Color

83.3050, 34.8490, -20.3430

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

82.9010, 13.1600, -7.2240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.3050, 34.8490, -20.3430 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(104, 87, 10)` looks like.

```
.text, #text, p{  
    color:rgb(104, 87, 10)  
}
```

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(104, 87, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 87, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 83.3050, 34.8490, -20.3430 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(104, 87, 10) }
```



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

```
.border{ border-color:rgb(104, 87, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 87, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 87, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 87, 10);  
box-shadow:4px 4px 4px 4px rgb(104, 87,  
10) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.3050, 34.8490, -20.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 87, 10) }
```

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

```
.background{ background-color: rgb(104, 87,  
10) }
```

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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