

# Converting Colors

YIQ(85.4380, -2.0140, -18.5740)

Have a look what the booklet for  
YIQ(85.4380, -2.0140, -18.5740)  
contains.

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# Color

**YIQ(85.4380, -2.0140,  
-18.5740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	486238
RGB	72, 98, 56
RGB Percent	28%, 38%, 22%
CMY	0.7177, 0.6156, 0.7804
CMYK	0.27, 0.00, 0.43, 0.62
HSL	97°, 27%, 30%
HSV	97°, 43%, 38%
XYZ	7.7535, 10.3998, 5.3409
YIQ	85.4380, -2.0140, -18.5740

# Conversions

## Conversions Part 2

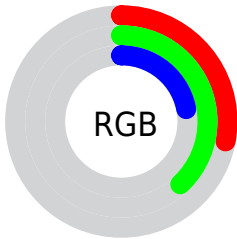
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 98, 82
Decimal	4743736
CIELab	38.55, -18.28, 20.84
CIELCh	39, 27.725, 131.261
Yxy	10.3998, 0.3300, 0.4427
Android (android.graphics.Color)	4282933816 (0xFF486238)
YUV	85.4380, -14.5129, -11.7851
Hunter-Lab	32.2488, -13.5191, 12.7548

# Details

The YIQ color  $[85.4380, -2.0140, -18.5740]$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $[68.5620, 2.0140, 18.5740]$ , and the grayscale version is  $[86.0000, -0.0000, -0.0000]$ .

A 20% lighter version of the original color is  $[135.7970, -1.6470, -19.7190]$ , and  $[39.0790, -2.3810, -17.4290]$  is the 20% darker color. If you saturate the color by 10%, you get  $[82.5040, -2.3800, -22.9560]$ , and if you desaturate by 10%, it is  $[88.3720, -1.6480, -14.1920]$ .

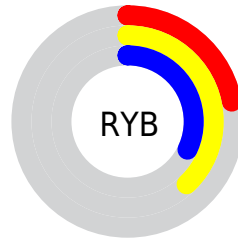
# Distribution



Red (28%)

Green (38%)

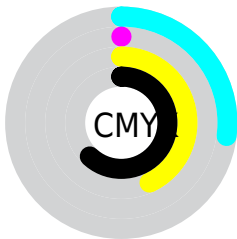
Blue (22%)



Red (22%)

Yellow (38%)

Blue (32%)

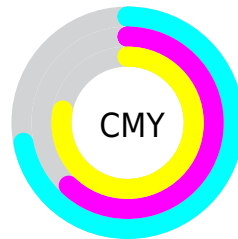


Cyan (27%)

Magenta (0%)

Yellow (43%)

Black (62%)



Cyan (72%)

Magenta (62%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.4380, -2.0140, -18.5740 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 85.4380, -2.0140, -18.5740 by changing the saturation by 10% instead.



85.4380, -2.0140,  
-18.5740

85.4380, -2.0140,  
-18.5740

255.0000, -0.0000,  
-0.0000

61.9650, -2.0600,  
-17.7400

135.7970, -1.6470,  
-19.7190

39.0790, -2.3810,  
-17.4290

162.2700, -1.6010,  
-20.5530

18.1970, -8.5250,  
-16.2130

188.8570, -1.8760,  
-21.0760

0.0000, 0.0000,  
0.0000

216.7430, -1.5550,  
-21.3870

242.3950, -0.4550,  
-19.2950

253.0620, 5.4570,

-5.2870

■ 85.4380, -2.0140,  
-18.5740

■ 85.4380, -2.0140,  
-18.5740

■ 82.5040, -2.3800,  
-22.9560

■ 88.3720, -1.6480,  
-14.1920

■ 79.5700, -2.7460,  
-27.3380

■ 91.3060, -1.2820,  
-9.8100

■ 76.7500, -3.4330,  
-31.4090

■ 94.1260, -0.5950,  
-5.7390

■ 73.8160, -3.7990,  
-35.7910

■ 97.0600, -0.2290,  
-1.3570

■ 70.8820, -4.1650,  
-40.1730

■ 99.9940, 0.1370,  
3.0250

■ 68.5890, -4.8980,  
-43.4100

■ 102.9280, 0.5030,  
7.4070

■ 106.1610, 1.4650,  
12.0010

■ 108.9810, 2.1520,  
16.0720

■ 111.9150, 2.5180,  
20.4540

# Harmonies

## Analogous

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



88.2510, 17.7460, -13.2460



85.4380, -2.0140, -18.5740



80.5090, -27.1390, -20.2830

# Triad

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



85.4380, -2.0140, -18.5740



78.3800, -56.8520, -4.9160



92.3790, 33.1460, 16.0420

# Complementary

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



85.4380, -2.0140, -18.5740



68.5620, 2.0140, 18.5740

# 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.



93.4840, 19.8490, 20.2410



85.4380, -2.0140, -18.5740



89.4490, -25.7690, 9.9670

# Square

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



85.4380, -2.0140, -18.5740



72.9670, -66.2950, -15.5030



93.4800, -0.6910, 18.0370



91.1370, 36.4030, 6.5710



# Rectangle

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



85.4380, -2.0140, -18.5740



72.6400, -52.4930, -23.3490



93.4800, -0.6910, 18.0370



92.6930, 29.3860, 18.1060

# Sweetspot

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



85.4380, -2.0140, -18.5740



122.7730, -1.0990, -7.6190



83.8200, 17.8820, -4.6940



60.7670, -0.9620, -4.5940



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



85.4380, -2.0140, -18.5740



108.2170, -3.2500, -29.2180



81.2240, -13.1550, -20.4110



46.6470, -0.5040, -1.8800



78.6010, -5.1720, -49.4600



168.0890, -11.7640, -106.2280



# Inverse Universe

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



68.5620, 2.0140, 18.5740



81.7830, 3.2500, 29.2180



72.7760, 13.1550, 20.4110



45.3530, 0.5040, 1.8800



33.6980, 5.7680, 49.6720

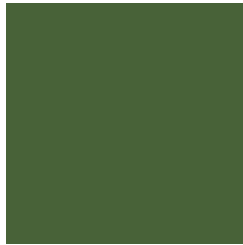


71.9110, 11.7640, 106.2280



# Previews

## White Background



This preview shows how the YIQ color 85.4380, -2.0140, -18.5740 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 × Fail



# Black Background



This preview shows how the YIQ color 85.4380, -2.0140, -18.5740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

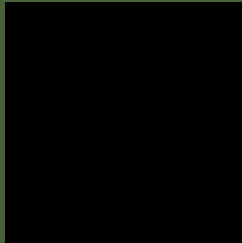
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 85.4380, -2.0140, -18.5740**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.4380, -2.0140, -18.5740.



This preview shows how white text looks on a background with the YIQ color 85.4380, -2.0140,

-18.5740.

# 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

85.4380, -2.0140, -18.5740

### Protanopia

89.0600, 16.9660, -10.1220

### Deuteranopia

90.3860, 22.1000, -4.0440



## Tritanopia

89.6120, -10.5910, -0.7910

# Trichromacy



## Original Color

85.4380, -2.0140, -18.5740

## Protanomaly

87.9450, 9.8600, -13.5000

## Deuteranomaly

88.7330, 13.5730, -9.2030

## Tritanomaly

88.0650, -7.7930, -7.4490

# Monochromacy



## Original Color

85.4380, -2.0140, -18.5740

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

85.1860, -0.8240, -7.0960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.4380, -2.0140, -18.5740 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(72, 98, 56)` looks like.

```
.text, #text, p{  
    color:rgb(72, 98, 56)  
}
```

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(72, 98, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 98, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 85.4380, -2.0140, -18.5740 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(72, 98, 56) }
```



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

```
.border{ border-color:rgb(72, 98, 56) }
```

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

Here you see how a box with a 4 pixel rgb(72, 98, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 98, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 98, 56);  
box-shadow:4px 4px 4px 4px rgb(72, 98, 56)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 85.4380, -2.0140, -18.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 98, 56) }
```

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

```
.background{ background-color: rgb(72, 98,  
56) }
```

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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