

# Converting Colors

YIQ(84.3590, 0.3670, -1.1450)

Have a look what the booklet for  
YIQ(84.3590, 0.3670, -1.1450)  
contains.

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# Color

**YIQ(84.3590, 0.3670,  
-1.1450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	545552
RGB	84, 85, 82
RGB Percent	33%, 33%, 32%
CMY	0.6706, 0.6667, 0.6784
CMYK	0.01, 0.00, 0.04, 0.67
HSL	80°, 2%, 33%
HSV	80°, 4%, 33%
XYZ	8.4276, 8.9910, 9.2741
YIQ	84.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

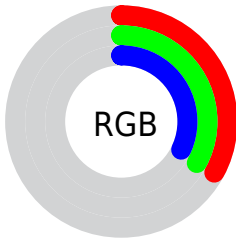
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	82, 85, 83
Decimal	5526866
CIE Lab	35.97, -1.04, 1.60
CIE LCh	36, 1.908, 122.915
Yxy	8.9910, 0.3157, 0.3368
Android (android.graphics.Color)	4283716946 (0xFF545552)
YUV	84.3590, -1.1630, -0.3148
Hunter-Lab	29.9851, -2.3046, 2.6517

# Details

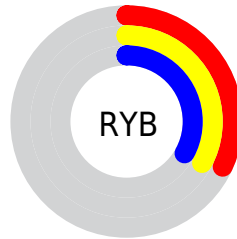
The YIQ color  $84.3590, 0.3670, -1.1450$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $82.6410, -0.3670, 1.1450$ , and the grayscale version is  $84.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $133.9460, 0.0920, -1.6680$ , and  $39.3590, 0.3670, -1.1450$  is the 20% darker color. If you saturate the color by 10%, you get  $82.5500, 1.1470, -4.2690$ , and if you desaturate by 10%, it is  $86.2820, -0.7340, 2.2900$ .

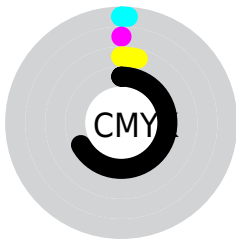
# Distribution



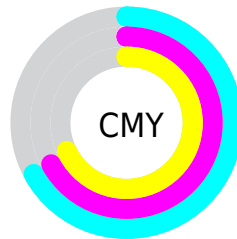
- Red (33%)
- Green (33%)
- Blue (32%)



- Red (32%)
- Yellow (33%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (67%)



- Cyan (67%)
- Magenta (67%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.3590, 0.3670, -1.1450 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 84.3590, 0.3670, -1.1450 by changing the saturation by 10% instead.



■ 84.3590, 0.3670,  
-1.1450

■ 84.3590, 0.3670,  
-1.1450

■ 255.0000, -0.0000,  
-0.0000

■ 61.3590, 0.3670,  
-1.1450

■ 133.9460, 0.0920,  
-1.6680

■ 39.3590, 0.3670,  
-1.1450

■ 160.2450, 0.6880,  
-1.4560

■ 19.3590, 0.3670,  
-1.1450

■ 187.2450, 0.6880,  
-1.4560

■ 0.0000, 0.0000,  
0.0000

■ 214.3590, 0.3670,  
-1.1450

■ 243.2450, 0.6880,  
-1.4560

■ 84.3590, 0.3670,  
-1.1450

■ 84.3590, 0.3670,  
-1.1450

■ 82.5500, 1.1470,  
-4.2690

■ 86.2820, -0.7340,  
2.2900

■ 80.6270, 2.2480,  
-7.7040

■ 88.0910, -1.5140,  
5.4140

■ 78.8180, 3.0280,  
-10.8280

■ 90.0140, -2.6150,  
8.8490

■ 77.1940, 4.7250,  
-14.0510

■ 91.5240, -3.9910,  
11.7610

■ 75.3850, 5.5050,  
-17.1750

■ 93.4470, -5.0920,  
15.1960

■ 73.4620, 6.6060,  
-20.6100

■ 95.2560, -5.8720,  
18.3200

■ 71.5390, 7.7070,  
-24.0450

■ 97.1790, -6.9730,  
21.7550

■ 69.7300, 8.4870,

■ 98.9880, -7.7530,

-27.1690

24.8790

■ 67.8070, 9.5880,  
-30.6040

■ 100.9110, -8.8540,  
28.3140

# Harmonies

## Analogous

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



84.9570, 1.5590, -0.7210



84.3590, 0.3670, -1.1450



83.8750, -1.1460, -1.2580

# Triad

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



84.3590, 0.3670, -1.1450



84.3310, -2.4300, -0.0140



85.1960, 2.3840, 0.8480

# Complementary

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



84.3590, 0.3670, -1.1450



82.6410, -0.3670, 1.1450

# 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.



85.1250, 1.1460, 1.2580



84.3590, 0.3670, -1.1450



84.7440, -2.1550, 0.5090

# Square

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



84.3590, 0.3670, -1.1450



83.9180, -2.7050, -0.5370



84.6410, -0.3670, 1.1450



85.0820, 2.7050, 0.5370



# Rectangle

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



84.3590, 0.3670, -1.1450



84.5760, -1.7420, -1.4700



84.6410, -0.3670, 1.1450



85.3100, 2.0630, 1.1590

# Sweetspot

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



84.3590, 0.3670, -1.1450



109.5870, -0.2750, -0.5230



83.4840, 1.5130, 0.1130



56.0000, -0.0000, 0.0000



184.0000, 0.0000, -0.0000

# Same Dimension

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



84.3590, 0.3670, -1.1450



108.8320, 0.4130, -1.9790



84.0600, -0.2290, -1.3570



42.7720, 0.6420, -0.6220



84.0380, 12.8910, -40.9090



184.5890, 28.3510, -89.8330



# Inverse Universe

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



82.6410, -0.3670, 1.1450



106.1680, -0.4130, 1.9790



83.2390, 0.8250, 1.5690



41.5270, -0.0460, 0.8340



22.9620, -12.8910, 40.9090

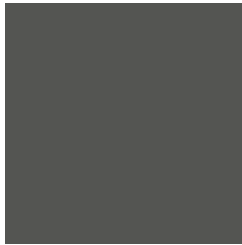


50.1120, -28.9470, 89.6210



# Previews

## White Background



This preview shows how the YIQ color 84.3590, 0.3670, -1.1450 looks on a white background.

## Color Contrast Check

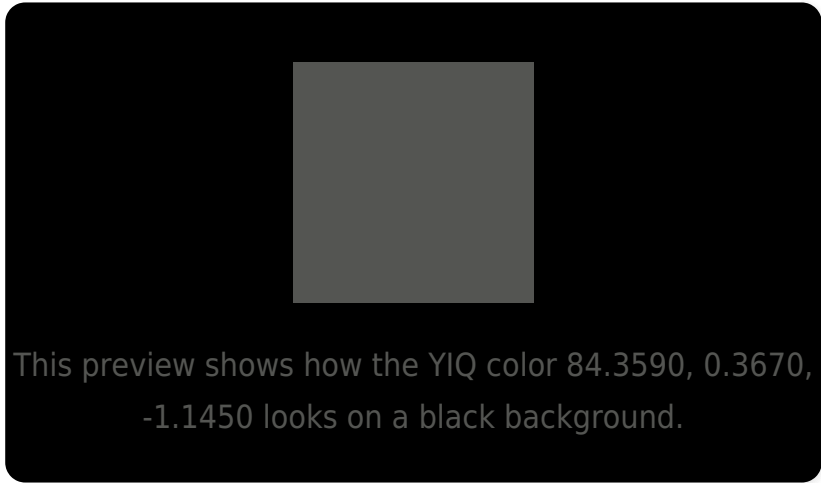
Large Text (above 18pt) WCAG AA ✓ Pass

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

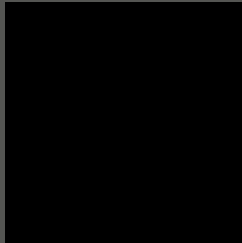
Any Text WCAG AAA × Fail

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



**YIQ 84.3590, 0.3670, -1.1450**

## **Background**



This preview shows how black text looks on a background with the YIQ color 84.3590, 0.3670, -1.1450.



This preview shows how white text looks on a background with the YIQ color 84.3590, 0.3670,

-1.1450.

# 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

84.3590, 0.3670, -1.1450

### Protanopia

84.6690, 2.4300, 0.0140

### Deuteranopia

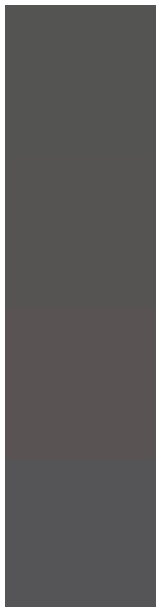
85.4030, 6.2350, 2.6430



## Tritanopia

84.9830, -1.3300, 2.0780

# Trichromacy



## Original Color

84.3590, 0.3670, -1.1450

## Protanomaly

84.3700, 1.8340, -0.1980

## Deuteranomaly

85.0930, 4.1720, 1.4840

## Tritanomaly

84.6410, -0.3670, 1.1450

# Monochromacy



## Original Color

84.3590, 0.3670, -1.1450

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

83.8860, 0.3210, -0.3110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.3590, 0.3670, -1.1450 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(84, 85, 82)` looks like.

```
.text, #text, p{  
    color:rgb(84, 85, 82)  
}
```

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(84, 85, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 85, 82) }
```

## Border

The CSS property to change the border of an element to YIQ 84.3590, 0.3670, -1.1450 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(84, 85, 82) }
```

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

```
.border{ border-color:rgb(84, 85, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 85, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 85, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 85, 82);  
box-shadow:4px 4px 4px 4px rgb(84, 85, 82)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 84.3590, 0.3670, -1.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 85, 82) }
```

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

```
.background{ background-color: rgb(84, 85,  
82) }
```

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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