

# Converting Colors

YIQ(63.6240, -38.3690,  
-37.0330)

Have a look what the booklet for  
YIQ(63.6240, -38.3690, -37.0330)  
contains.

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# Color

**YIQ(63.6240, -38.3690,  
-37.0330)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	04622B
RGB	4, 98, 43
RGB Percent	2%, 38%, 17%
CMY	0.9846, 0.6155, 0.8315
CMYK	0.96, 0.00, 0.56, 0.62
HSL	145°, 92%, 20%
HSV	145°, 96%, 38%
XYZ	4.8561, 8.9423, 3.7529
YIQ	63.6240, -38.3690, -37.0330

# Conversions

## Conversions Part 2

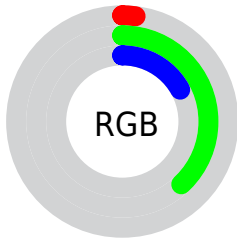
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 70, 98
Decimal	287275
CIELab	35.87, -38.06, 24.35
CIELCh	36, 45.180, 147.390
Yxy	8.9423, 0.2767, 0.5095
Android (android.graphics.Color)	4278477355 (0xFF04622B)
YUV	63.6240, -10.1676, -52.2902
Hunter-Lab	29.9037, -23.3445, 13.4917

# Details

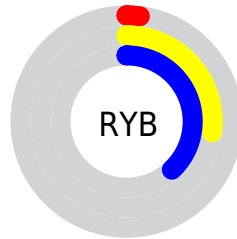
The YIQ color **63.6240, -38.3690, -37.0330** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **38.3760, 38.3690, 37.0330**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.2400, -28.4200, -35.6200**, and **29.3500, -13.7500, -26.1500** is the 20% darker color. If you saturate the color by 10%, you get **62.2000, -40.1110, -38.5030**, and if you desaturate by 10%, it is **67.2980, -34.3350, -33.0470**.

# Distribution



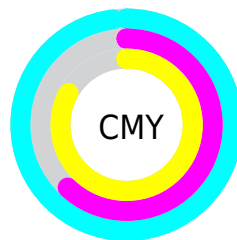
- Red (2%)
- Green (38%)
- Blue (17%)



- Red (2%)
- Yellow (27%)
- Blue (38%)



- Cyan (96%)
- Magenta (0%)
- Yellow (56%)
- Black (62%)



- Cyan (98%)
- Magenta (62%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 63.6240, -38.3690, -37.0330 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 63.6240, -38.3690, -37.0330 by changing the saturation by 10% instead.



■ 63.6240, -38.3690,  
-37.0330

■ 63.6240, -38.3690,  
-37.0330

255.0000, -0.0000,  
-0.0000

■ 45.8320, -27.0910,  
-32.1710

■ 119.2400,  
-28.4200, -35.6200

■ 29.3500, -13.7500,  
-26.1500

■ 146.0120,  
-27.7780, -36.2420

■ 17.0230, -7.9750,  
-15.1670

■ 173.4850,  
-27.7320, -37.0760

■ 0.0000, 0.0000,  
0.0000

■ 201.2570,  
-27.0900, -37.6980

■ 225.7350,  
-25.4400, -34.5600

■ 237.2990,

-17.7400, -19.9160

■ 249.1620, -9.4440,  
-5.0600

■ 63.6240, -38.3690,  
-37.0330

■ 63.6240, -38.3690,  
-37.0330

■ 62.2000, -40.1110,  
-38.5030

■ 67.2980, -34.3350,  
-33.0470

■ 70.8580, -29.9800,  
-29.3720

■ 74.2330, -26.5420,  
-25.5980

■ 77.9070, -22.5080,  
-21.6120

■ 81.5810, -18.4740,  
-17.6260

■ 85.1410, -14.1190,  
-13.9510

■ 88.8150, -10.0850,  
-9.9650

■ 92.1900, -6.6470,  
-6.1910

■ 95.8640, -2.6130,  
-2.2050

# Harmonies

## Analogous

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



75.5470, 13.2560, -31.0000



63.6240, -38.3690, -37.0330



68.4070, -53.4550, -27.9430

# Triad

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



63.6240, -38.3690, -37.0330



70.7280, -75.1470, 1.7570



80.5190, 56.2990, 20.4510

# Complementary

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



63.6240, -38.3690, -37.0330



38.3760, 38.3690, 37.0330

# 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.



81.9760, 45.2470, 33.5270



63.6240, -38.3690, -37.0330



84.6210, -22.8370, 22.9150

# Square

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



63.6240, -38.3690, -37.0330



74.0560, -73.4950, -6.1590



86.1440, 18.4710, 34.2070



81.1910, 53.5060, -0.5260



# Rectangle

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



63.6240, -38.3690, -37.0330



71.2570, -61.4800, -20.1680



86.1440, 18.4710, 34.2070



80.7240, 54.4640, 26.1760

# Sweetspot

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



63.6240, -38.3690, -37.0330



114.4290, -14.9900, -14.6860



75.9220, 7.5260, -37.2900



55.6410, -9.5350, -8.9190



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.



63.6240, -38.3690, -37.0330



81.1780, -52.2130, -50.4610



68.8680, -53.1350, -22.7270



46.5760, -1.7420, -1.4700



71.1020, -45.8870, -43.9590



152.1660, -97.7790, -94.7310



# Inverse Universe

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



38.3760, 38.3690, 37.0330



46.8220, 52.2130, 50.4610



33.1320, 53.1350, 22.7270



45.4240, 1.7420, 1.4700



41.0120, 45.5660, 44.2700



87.7200, 98.1000, 94.4200



# Previews

## White Background



This preview shows how the YIQ color 63.6240, -38.3690, -37.0330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

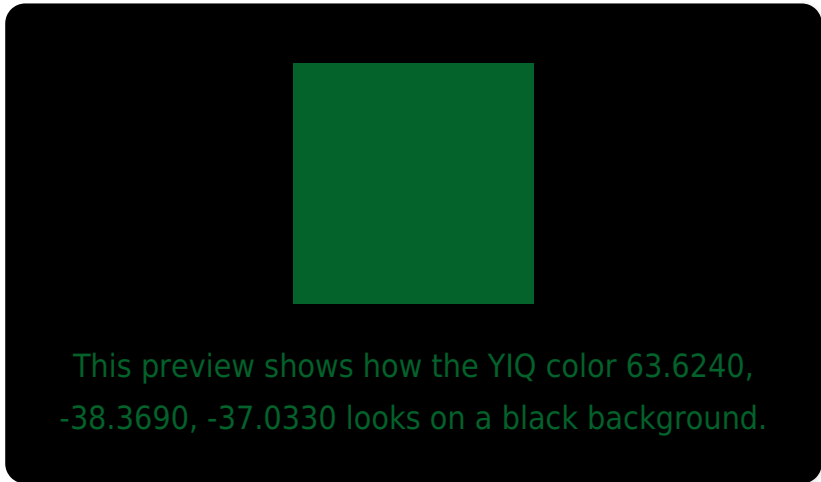
Any Text WCAG AA ✓ Pass

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 63.6240, -38.3690, -37.0330**

## **Background**



This preview shows how black text looks on a background with the YIQ color 63.6240, -38.3690, -37.0330.



This preview shows how white text looks on a background with the YIQ color 63.6240, -38.3690,



# 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

63.6240, -38.3690, -37.0330

### Protanopia

81.8600, 20.4050, -11.8750

### Deuteranopia

83.2290, 23.9800, -5.0760



**Tritanopia**

77.0650, -34.1560, -8.7480

# Trichromacy



## Original Color

63.6240, -38.3690, -37.0330

## Protanomaly

75.0420, -0.9590, -21.1750

## Deuteranomaly

76.3460, 1.2410, -16.9910

## Tritanomaly

71.9580, -35.7130, -19.0810

# Monochromacy



## Original Color

63.6240, -38.3690, -37.0330

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

63.5540, -13.8440, -13.4280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.6240, -38.3690, -37.0330 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(4, 98, 43)` looks like.

```
.text, #text, p{  
    color:rgb(4, 98, 43)  
}
```

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(4, 98, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 98, 43) }
```

## Border

The CSS property to change the border of an element to YIQ 63.6240, -38.3690, -37.0330 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(4, 98, 43) }
```



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

```
.border{ border-color:rgb(4, 98, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 98, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 98, 43); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 98, 43); box-shadow:4px  
4px 4px 4px rgb(4, 98, 43) }
```

# Background

The CSS property to change the background color of an element to YIQ 63.6240, -38.3690, -37.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 98, 43) }
```

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

```
.background{ background-color: rgb(4, 98,  
43) }
```

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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