

# Converting Colors

YIQ(67.4990, 31.5470, -15.5650)

Have a look what the booklet for  
YIQ(67.4990, 31.5470, -15.5650)  
contains.

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# Color

**YIQ(67.4990, 31.5470,  
-15.5650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	584506
RGB	88, 69, 6
RGB Percent	35%, 27%, 2%
CMY	0.6549, 0.7294, 0.9763
CMYK	0.00, 0.22, 0.93, 0.65
HSL	46°, 87%, 18%
HSV	46°, 93%, 35%
XYZ	6.1854, 6.3433, 1.0719
YIQ	67.4990, 31.5470, -15.5650

# Conversions

## Conversions Part 2

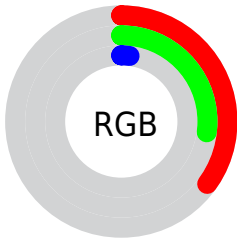
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 88, 6
Decimal	5784838
CIE Lab	30.26, 1.71, 36.90
CIE LCh	30, 36.938, 87.349
Yxy	6.3433, 0.4548, 0.4664
Android (android.graphics.Color)	4283974918 (0xFF584506)
YUV	67.4990, -30.3190, 17.9794
Hunter-Lab	25.1858, -0.2375, 15.1066

# Details

The YIQ color **67.4990, 31.5470, -15.5650** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **26.5010, -31.5470, 15.5650**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **117.1080, 34.2060, -14.1940**, and **26.6240, 15.4980, -5.5420** is the 20% darker color. If you saturate the color by 10%, you get **66.2280, 33.7480, -16.9080**, and if you desaturate by 10%, it is **69.6990, 28.1080, -13.8120**.

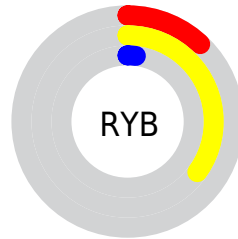
# Distribution



Red (35%)

Green (27%)

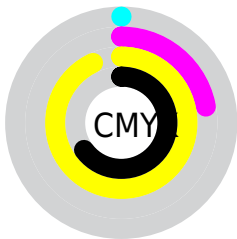
Blue (2%)



Red (12%)

Yellow (35%)

Blue (2%)

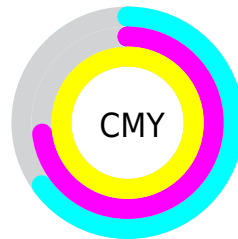


Cyan (0%)

Magenta (22%)

Yellow (93%)

Black (65%)



Cyan (65%)

Magenta (73%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 67.4990, 31.5470, -15.5650 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 67.4990, 31.5470, -15.5650 by changing the saturation by 10% instead.



67.4990, 31.5470,  
-15.5650

67.4990, 31.5470,  
-15.5650

253.2900, 4.8150,  
-4.6650

46.4260, 24.6230,  
-11.2250

117.1080, 34.2060,  
-14.1940

26.6240, 15.4980,  
-5.5420

142.8910, 36.3150,  
-13.8690

1.7940, 3.5760,  
1.2720

169.9620, 37.5530,  
-14.2790

0.0000, 0.0000,  
0.0000

197.4460, 39.0660,  
-14.1660

225.6310, 39.9830,  
-14.2650

245.1450, 23.6160,

-20.5120

■ 250.0980, 13.8030,  
-13.3730

■ 67.4990, 31.5470,  
-15.5650

■ 67.4990, 31.5470,  
-15.5650

■ 66.2280, 33.7480,  
-16.9080

■ 69.6990, 28.1080,  
-13.8120

■ 71.8990, 24.6690,  
-12.0590

■ 73.9850, 21.5510,  
-10.6170

■ 76.1850, 18.1120,  
-8.8640

■ 78.3850, 14.6730,  
-7.1110

■ 80.5850, 11.2340,  
-5.3580

■ 82.7850, 7.7950,  
-3.6050

■ 84.8710, 4.6770,  
-2.1630

■ 87.0710, 1.2380,  
-0.4100

# Harmonies

## Analogous

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



69.4440, 42.5480, -0.1720



67.4990, 31.5470, -15.5650



64.7350, 10.0910, -23.1970

# Triad

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



67.4990, 31.5470, -15.5650



60.9530, -54.5120, -14.2880



73.3620, 14.6210, 26.8850

# Complementary

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



67.4990, 31.5470, -15.5650



26.5010, -31.5470, 15.5650

# 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.



72.2100, -17.4260, 18.4620



67.4990, 31.5470, -15.5650



61.7000, -60.7490, -5.8770

# Square

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



67.4990, 31.5470, -15.5650



57.6470, -45.2030, -23.3070



58.7310, -62.0340, 0.8940



70.5570, 35.9410, 25.9650



# Rectangle

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



67.4990, 31.5470, -15.5650



61.7310, -10.4490, -25.4010



58.7310, -62.0340, 0.8940



73.6320, 4.9930, 25.1610

# Sweetspot

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



67.4990, 31.5470, -15.5650



106.6560, 12.4720, -5.7680



32.6840, 42.7730, 23.2930



53.7850, 7.7950, -3.6050



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



67.4990, 31.5470, -15.5650



86.0410, 44.3400, -21.6440



72.0740, 13.2100, -30.1660



41.9570, 1.5590, -0.7210



80.1270, 41.2220, -20.2020



175.9250, 90.5600, -44.3200



# Inverse Universe

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



26.5010, -31.5470, 15.5650



28.9590, -44.3400, 21.6440



21.9260, -13.2100, 30.1660



40.0430, -1.5590, 0.7210



26.8730, -41.2220, 20.2020

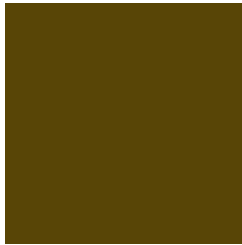


58.4880, -90.2850, 44.8430



# Previews

## White Background



This preview shows how the YIQ color 67.4990, 31.5470, -15.5650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

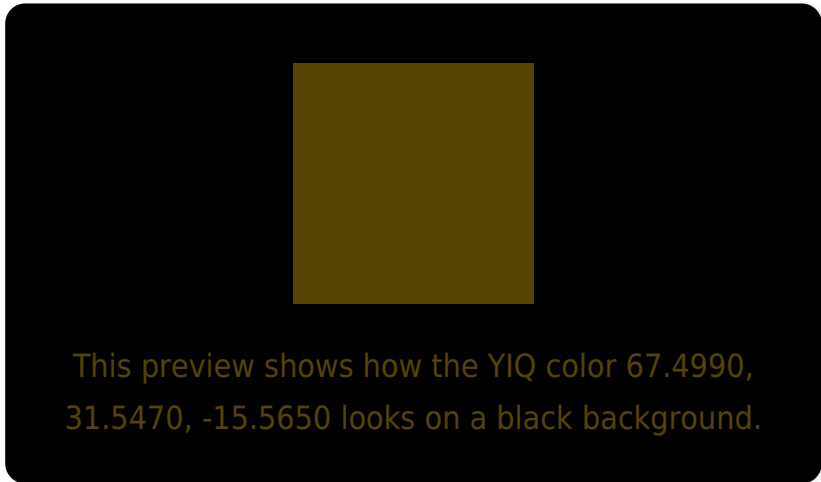
Any Text WCAG AA ✓ Pass

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

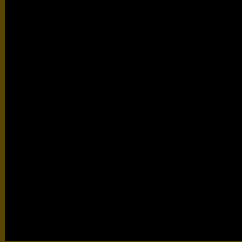
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 67.4990, 31.5470, -15.5650

## Background



This preview shows how black text looks on a background with the YIQ color 67.4990, 31.5470, -15.5650.



This preview shows how white text looks on a background with the YIQ color 67.4990, 31.5470,

-15.5650.

# 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

67.4990, 31.5470, -15.5650

### Protanopia

67.2810, 26.2290, -18.3070

### Deuteranopia

68.0370, 32.9680, -13.7840



## Tritanopia

72.6430, 14.4870, 7.2790

# Trichromacy



## Original Color

67.4990, 31.5470, -15.5650

## Protanomaly

67.5910, 28.2920, -17.1480

## Deuteranomaly

67.6240, 32.6930, -14.3070

## Tritanomaly

70.8960, 20.7240, -1.1320

# Monochromacy



## Original Color

67.4990, 31.5470, -15.5650

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

67.4710, 11.5550, -5.6690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 67.4990, 31.5470, -15.5650 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(88, 69, 6)` looks like.

```
.text, #text, p{  
    color:rgb(88, 69, 6)  
}
```

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(88, 69, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 69, 6) }
```

## Border

The CSS property to change the border of an element to YIQ 67.4990, 31.5470, -15.5650 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(88, 69, 6) }
```



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

```
.border{ border-color:rgb(88, 69, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 69, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 69, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 69, 6); box-shadow:4px  
4px 4px 4px rgb(88, 69, 6) }
```

# Background

The CSS property to change the background color of an element to YIQ 67.4990, 31.5470, -15.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 69, 6) }
```

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

```
.background{ background-color: rgb(88, 69,  
6) }
```

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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