

# Converting Colors

YIQ(69.8310, 19.3490, -3.7470)

Have a look what the booklet for  
YIQ(69.8310, 19.3490, -3.7470)  
contains.

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# Color

**YIQ(69.8310, 19.3490,  
-3.7470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56432A
RGB	86, 67, 42
RGB Percent	34%, 26%, 16%
CMY	0.6627, 0.7373, 0.8352
CMYK	0.00, 0.22, 0.51, 0.66
HSL	34°, 34%, 25%
HSV	34°, 51%, 34%
XYZ	6.2635, 6.1595, 3.0516
YIQ	69.8310, 19.3490, -3.7470

# Conversions

## Conversions Part 2

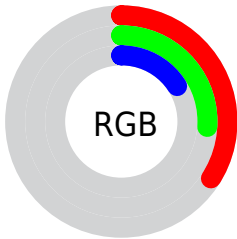
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 86, 42
Decimal	5653290
CIELab	29.81, 4.50, 18.23
CIElCh	30, 18.780, 76.149
Yxy	6.1595, 0.4048, 0.3980
Android (android.graphics.Color)	4283843370 (0xFF56432A)
YUV	69.8310, -13.7207, 14.1802
Hunter-Lab	24.8183, 1.6166, 10.0827

# Details

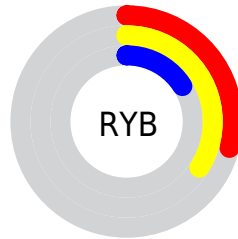
The YIQ color **69.8310, 19.3490, -3.7470** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **58.1690, -19.3490, 3.7470**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.5000, 21.7790, -3.7330**, and **26.0480, 17.2400, -4.0720** is the 20% darker color. If you saturate the color by 10%, you get **66.4570, 23.3380, -4.4540**, and if you desaturate by 10%, it is **73.2050, 15.3600, -3.0400**.

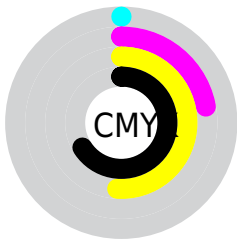
# Distribution



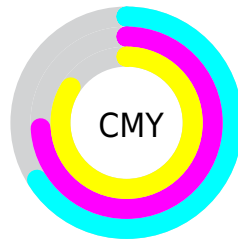
- Red (34%)
- Green (26%)
- Blue (16%)



- Red (29%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (22%)
- Yellow (51%)
- Black (66%)



- Cyan (66%)
- Magenta (74%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.8310, 19.3490, -3.7470 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 69.8310, 19.3490, -3.7470 by changing the saturation by 10% instead.



■ 69.8310, 19.3490,  
-3.7470

■ 69.8310, 19.3490,  
-3.7470

■ 255.0000, -0.0000,  
-0.0000

■ 47.3470, 17.8360,  
-3.8600

■ 118.5000, 21.7790,  
-3.7330

■ 26.0480, 17.2400,  
-4.0720

■ 143.9840, 23.2920,  
-3.6200

■ 2.9900, 5.9600,  
2.1200

■ 170.8700, 23.6130,  
-3.9310

■ 0.0000, 0.0000,  
0.0000

■ 198.0550, 24.5300,  
-4.0300

■ 226.2400, 25.4470,  
-4.1290

■ 247.9610, 12.9310,

-8.5810

254.2020, 2.2470,  
-2.1770

69.8310, 19.3490,  
-3.7470

69.8310, 19.3490,  
-3.7470

66.4570, 23.3380,  
-4.4540

73.2050, 15.3600,  
-3.0400

63.7840, 26.7310,  
-5.3730

75.8780, 11.9670,  
-2.1210

60.4100, 30.7200,  
-6.0800

79.2520, 7.9780,  
-1.4140

57.1500, 34.3880,  
-6.4760

82.5120, 4.3100,  
-1.0180

54.4770, 37.7810,  
-7.3950

85.8860, 0.3210,  
-0.3110

■ 88.6730, -3.3930,  
0.9190

■ 91.9330, -7.0610,  
1.3150

■ 95.3070, -11.0500,  
2.0220

■ 97.9800, -14.4430,  
2.9410

# Harmonies

## Analogous

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



70.7980, 24.1160, 3.4760



69.8310, 19.3490, -3.7470



68.5800, 9.6300, -9.3300

# Triad

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



69.8310, 19.3490, -3.7470



60.6580, -34.5680, -12.2960



72.3460, 2.3820, 11.9020

# Complementary

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



69.8310, 19.3490, -3.7470



58.1690, -19.3490, 3.7470

# 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.



70.2130, -13.4810, 7.5350



69.8310, 19.3490, -3.7470



60.9550, -39.6580, -8.1540

# Square

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



69.8310, 19.3490, -3.7470



64.3300, -19.0250, -13.1450



66.2710, -28.5640, 0.0440



72.2180, 14.4860, 12.8060



# Rectangle

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



69.8310, 19.3490, -3.7470



66.9210, 1.2400, -11.4640



66.2710, -28.5640, 0.0440



71.5950, -2.7530, 11.3510

# Sweetspot

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



69.8310, 19.3490, -3.7470



105.9530, 7.3820, -1.6260



57.3220, 20.1250, 15.2370



52.5120, 4.3100, -1.0180



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



69.8310, 19.3490, -3.7470



87.2250, 29.8030, -5.9810



80.0870, 12.3360, -14.3200



41.3700, 1.8340, -0.1980



67.8000, 46.9970, -9.2190



148.3360, 103.4850, -19.7390



# Inverse Universe

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



58.1690, -19.3490, 3.7470



68.7750, -29.8030, 5.9810



47.9130, -12.3360, 14.3200



40.6300, -1.8340, 0.1980



39.2000, -46.9970, 9.2190



86.0770, -103.2100, 20.2620



# Previews

## White Background



This preview shows how the YIQ color 69.8310, 19.3490, -3.7470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

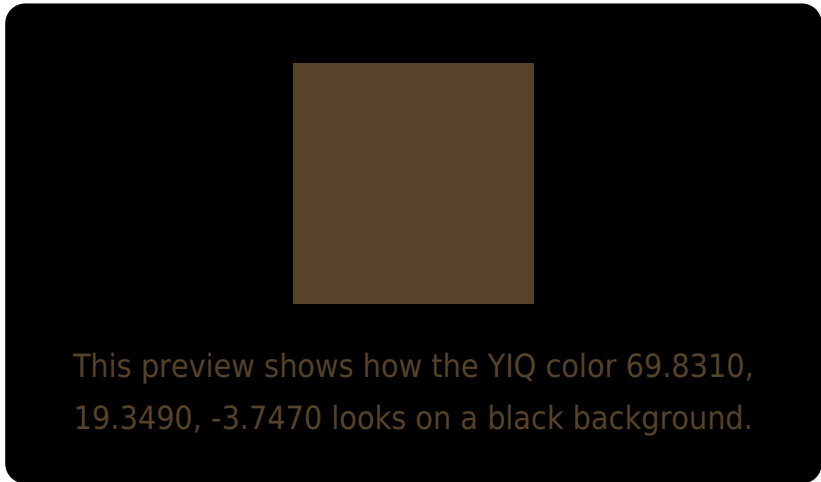
Any Text WCAG AA ✓ Pass

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

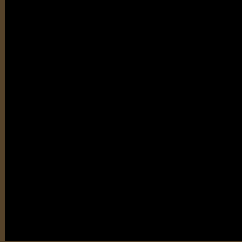
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 69.8310, 19.3490, -3.7470**

## **Background**



This preview shows how black text looks on a background with the YIQ color 69.8310, 19.3490, -3.7470.



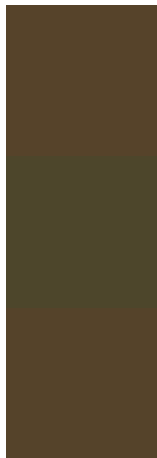
This preview shows how white text looks on a background with the YIQ color 69.8310, 19.3490,

-3.7470.

# 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

69.8310, 19.3490, -3.7470

### Protanopia

69.0150, 12.8390, -6.9130

### Deuteranopia

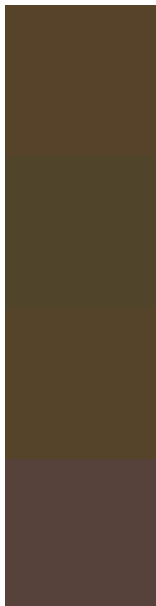
69.5320, 18.7530, -3.9590



## Tritanopia

71.7460, 12.6990, 6.6430

# Trichromacy



## Original Color

69.8310, 19.3490, -3.7470

## Protanomaly

69.3250, 14.9020, -5.7540

## Deuteranomaly

69.5320, 18.7530, -3.9590

## Tritanomaly

70.8940, 15.0380, 2.7980

# Monochromacy



## Original Color

69.8310, 19.3490, -3.7470

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.0670, 7.0610, -1.3150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.8310, 19.3490, -3.7470 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(86, 67, 42)` looks like.

```
.text, #text, p{  
    color:rgb(86, 67, 42)  
}
```

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(86, 67, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 67, 42) }
```

## Border

The CSS property to change the border of an element to YIQ 69.8310, 19.3490, -3.7470 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(86, 67, 42) }
```



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

```
.border{ border-color:rgb(86, 67, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 67, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 67, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 67, 42);  
box-shadow:4px 4px 4px 4px rgb(86, 67, 42)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 69.8310, 19.3490, -3.7470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 67, 42) }
```

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

```
.background{ background-color: rgb(86, 67,  
42) }
```

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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