

# Converting Colors

YIQ(69.4810, 50.2940, 13.6380)

Have a look what the booklet for  
YIQ(69.4810, 50.2940, 13.6380)  
contains.

<b>YIQ(69.4810, 50.2940, 13.6380)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(69.4810, 50.2940,  
13.6380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E2F25
RGB	126, 47, 37
RGB Percent	49%, 18%, 15%
CMY	0.5057, 0.8158, 0.8547
CMYK	0.00, 0.63, 0.71, 0.51
HSL	7°, 55%, 32%
HSV	7°, 71%, 49%
XYZ	9.9610, 6.6034, 2.5042
YIQ	69.4810, 50.2940, 13.6380

# Conversions

## Conversions Part 2

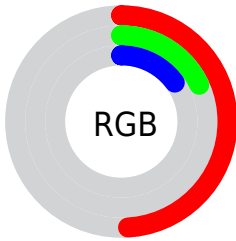
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 48, 37
Decimal	8269605
CIE <sub>Lab</sub>	30.89, 33.64, 23.96
CIE <sub>LCh</sub>	31, 41.300, 35.464
Yxy	6.6034, 0.5224, 0.3463
Android (android.graphics.Color)	4286459685 (0xFF7E2F25)
YUV	69.4810, -16.0131, 49.5672
Hunter-Lab	25.6971, 24.2219, 12.2101

# Details

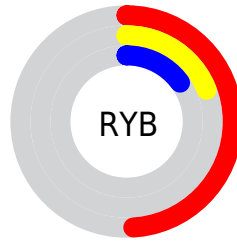
The YIQ color **69.4810, 50.2940, 13.6380** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **93.5190, -50.2940, -13.6380**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.4170, 56.3460, 14.0900**, and **21.2290, 42.3160, 15.0520** is the 20% darker color. If you saturate the color by 10%, you get **61.5420, 57.4920, 15.3480**, and if you desaturate by 10%, it is **77.4200, 43.0960, 11.9280**.

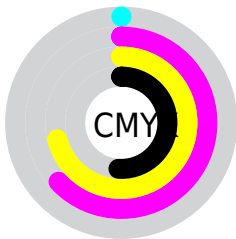
# Distribution



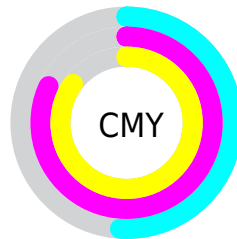
- Red (49%)
- Green (18%)
- Blue (15%)



- Red (49%)
- Yellow (19%)
- Blue (15%)



- Cyan (0%)
- Magenta (63%)
- Yellow (71%)
- Black (51%)



- Cyan (51%)
- Magenta (82%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.4810, 50.2940, 13.6380 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 69.4810, 50.2940, 13.6380 by changing the saturation by 10% instead.



69.4810, 50.2940,  
13.6380

69.4810, 50.2940,  
13.6380

255.0000, -0.0000,  
-0.0000

44.0400, 47.2220,  
14.2460

120.4170, 56.3460,  
14.0900

21.2290, 42.3160,  
15.0520

147.3850, 59.3720,  
14.3160

14.1670, 27.6910,  
10.2750

175.1680, 61.4810,  
14.6410

0.0000, 0.0000,  
0.0000

197.5690, 52.8620,  
11.1500

217.0830, 36.4950,  
4.9030

236.7110, 19.8070,

-1.0330

■ 253.4040, 4.4940,  
-4.3540

■ 69.4810, 50.2940,  
13.6380

■ 69.4810, 50.2940,  
13.6380

■ 61.5420, 57.4920,  
15.3480

■ 77.4200, 43.0960,  
11.9280

■ 53.7170, 64.3690,  
17.3690

■ 85.2450, 36.2190,  
9.9070

■ 45.8920, 71.2460,  
19.3900

■ 93.7710, 28.7460,  
7.6740

■ 101.5960, 21.8690,  
5.6530

■ 109.5350, 14.6710,  
3.9430

■ 117.4740, 7.4730,  
2.2330

■ 125.2990, 0.5960,  
0.2120

■ 133.8250, -6.8770,  
-2.0210

■ 141.6500,  
-13.7540, -4.0420

# Harmonies

## Analogous

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



69.5150, 44.9270, 28.3110



69.4810, 50.2940, 13.6380



69.4240, 45.3000, -5.9960

# Triad

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



69.4810, 50.2940, 13.6380



55.4980, -37.7740, -31.2940



59.6430, -64.6020, 3.3820

# Complementary

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



69.4810, 50.2940, 13.6380



93.5190, -50.2940, -13.6380

# 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.



63.6550, -64.8760, -2.6680



69.4810, 50.2940, 13.6380



60.5480, -49.2380, -21.7660

# Square

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



69.4810, 50.2940, 13.6380



63.6800, 2.7560, -27.9320



63.4950, -58.9140, -11.6020



74.3900, -8.9450, 24.4550



# Rectangle

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



69.4810, 50.2940, 13.6380



68.5980, 35.5820, -17.1060



63.4950, -58.9140, -11.6020



61.4040, -65.4270, 1.8130

# Sweetspot

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



69.4810, 50.2940, 13.6380



141.5140, 19.1640, 5.1160



72.7310, 27.3640, 43.7480



68.4530, 11.9660, 3.4060



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



69.4810, 50.2940, 13.6380



74.9530, 78.4440, 21.1000



94.7220, 38.4690, -8.8510



59.6800, 3.8970, 0.9610



46.4900, 72.4380, 19.8140



0.0000, 0.0000, 0.0000



# Inverse Universe

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



93.5190, -50.2940, -13.6380



112.6340, -78.7190, -21.6230



68.2780, -38.4690, 8.8510



61.3200, -3.8970, -0.9610



80.9230, -72.1630, -19.2910



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 69.4810, 50.2940, 13.6380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

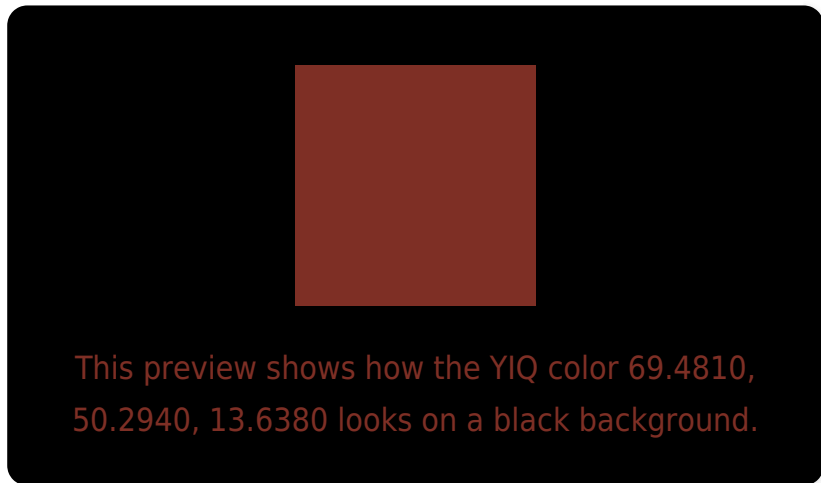
Any Text WCAG AA ✓ Pass

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 69.4810, 50.2940, 13.6380**

## **Background**



This preview shows how black text looks on a background with the YIQ color 69.4810, 50.2940, 13.6380.



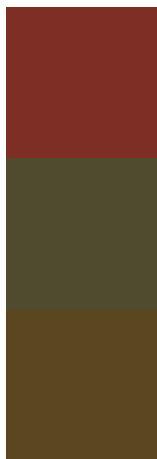
This preview shows how white text looks on a background with the YIQ color 69.4810, 50.2940,

13.6380.

# 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

69.4810, 50.2940, 13.6380

### Protanopia

72.6020, 12.5640, -7.4360

### Deuteranopia

71.9470, 24.7140, -7.3660



## Tritanopia

69.8600, 47.9090, 18.3170

# Trichromacy



## Original Color

69.4810, 50.2940, 13.6380

## Protanomaly

71.4730, 26.4090, 0.4650

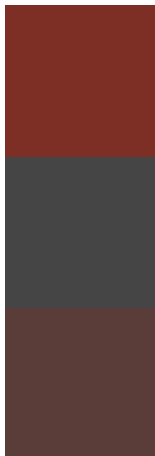
## Deuteranomaly

71.3660, 34.0200, 0.1960

## Tritanomaly

69.9910, 48.9180, 16.5500

# Monochromacy



## Original Color

69.4810, 50.2940, 13.6380

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

69.2150, 18.5680, 4.9040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.4810, 50.2940, 13.6380 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(126, 47, 37)` looks like.

```
.text, #text, p{  
    color:rgb(126, 47, 37)  
}
```

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(126, 47, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 47, 37) }
```

## Border

The CSS property to change the border of an element to YIQ 69.4810, 50.2940, 13.6380 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(126, 47, 37) }
```



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

```
.border{ border-color:rgb(126, 47, 37) }
```

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

Here you see how a box with a 4 pixel rgb(126, 47, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 47, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 47, 37);  
box-shadow:4px 4px 4px 4px rgb(126, 47,  
37) }
```

# Background

The CSS property to change the background color of an element to YIQ 69.4810, 50.2940, 13.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 47, 37) }
```

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

```
.background{ background-color: rgb(126, 47,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor