

# Converting Colors

YIQ(43.9410, 16.8240, 14.4880)

Have a look what the booklet for  
YIQ(43.9410, 16.8240, 14.4880)  
contains.

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# Color

**YIQ(43.9410, 16.8240,  
14.4880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	451E32
RGB	69, 30, 50
RGB Percent	27%, 12%, 20%
CMY	0.7293, 0.8824, 0.8039
CMYK	0.00, 0.57, 0.28, 0.73
HSL	329°, 39%, 19%
HSV	329°, 57%, 27%
XYZ	3.4960, 2.4243, 3.3028
YIQ	43.9410, 16.8240, 14.4880

# Conversions

## Conversions Part 2

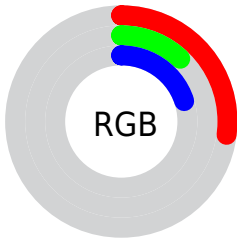
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 30, 50
Decimal	4529714
CIE <sub>Lab</sub>	17.57, 21.57, -4.49
CIE <sub>LCh</sub>	18, 22.035, 348.243
Yxy	2.4243, 0.3790, 0.2629
Android (android.graphics.Color)	4282719794 (0xFF451E32)
YUV	43.9410, 2.9871, 21.9767
Hunter-Lab	15.5702, 12.8312, -1.6775

# Details

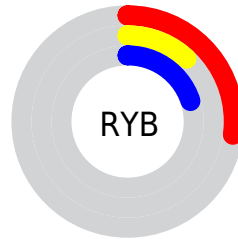
The YIQ color **43.9410, 16.8240, 14.4880** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **55.0590, -16.8240, -14.4880**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.1370, 19.2080, 15.3360**, and **6.9910, 13.3870, 5.1870** is the 20% darker color. If you saturate the color by 10%, you get **39.4900, 19.7120, 17.2160**, and if you desaturate by 10%, it is **48.3920, 13.9360, 11.7600**.

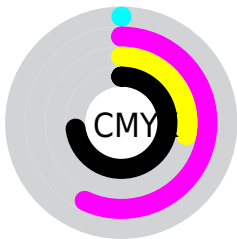
# Distribution



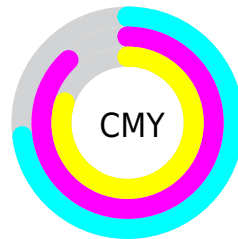
- Red (27%)
- Green (12%)
- Blue (20%)



- Red (27%)
- Yellow (12%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (28%)
- Black (73%)



- Cyan (73%)
- Magenta (88%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 43.9410, 16.8240, 14.4880 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 43.9410, 16.8240, 14.4880 by changing the saturation by 10% instead.



43.9410, 16.8240,  
14.4880

43.9410, 16.8240,  
14.4880

255.0000, -0.0000,  
-0.0000

21.7560, 15.9070,  
14.5870

91.1370, 19.2080,  
15.3360

6.9910, 13.3870,  
5.1870

115.8490, 20.0790,  
16.0710

0.0000, 0.0000,  
0.0000

141.5610, 20.9500,  
16.8060

167.8600, 21.5460,  
17.0180

195.5720, 22.4170,  
17.7530

223.2730, 21.8210,

17.5410

242.6730, 5.7750,  
10.9830

43.9410, 16.8240,  
14.4880

43.9410, 16.8240,  
14.4880

39.4900, 19.7120,  
17.2160

48.3920, 13.9360,  
11.7600

34.9250, 22.9210,  
19.6330

52.9570, 10.7270,  
9.3430

30.4740, 25.8090,  
22.3610

57.4080, 7.8390,  
6.6150

26.0230, 28.6970,  
25.0890

61.8590, 4.9510,  
3.8870

24.6210, 29.8890,  
25.5130

65.8370, 2.0170,  
1.9930

■ 70.2880, -0.8710,  
-0.7350

■ 74.8530, -4.0800,  
-3.1520

■ 79.3040, -6.9680,  
-5.8800

■ 83.7550, -9.8560,  
-8.6080

# Harmonies

## Analogous

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



44.5850, 3.2070, 13.4710



43.9410, 16.8240, 14.4880



43.3130, 24.3440, 10.3600

# Triad

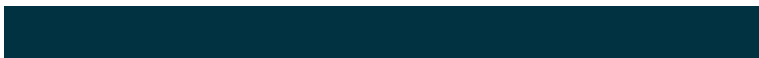
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.9410, 16.8240, 14.4880



40.4120, 10.0430, -11.3090



36.8740, -34.9360, -5.6240

# Complementary

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



43.9410, 16.8240, 14.4880



55.0590, -16.8240, -14.4880

# 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.



35.9790, -31.0380, -10.1900



43.9410, 16.8240, 14.4880



38.3330, -5.9120, -14.0080

# Square

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



43.9410, 16.8240, 14.4880



41.6630, 19.7620, -5.7260



34.0410, -25.5810, -15.4770



36.0250, -36.6790, -1.5670



# Rectangle

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



43.9410, 16.8240, 14.4880



42.4500, 25.2160, 5.5680



34.0410, -25.5810, -15.4770



36.4180, -33.6520, -6.8680

# Sweetspot

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



43.9410, 16.8240, 14.4880



79.3970, 6.3720, 5.6680



40.1270, -1.1950, 16.1570



40.1470, 4.0800, 3.1520



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000



# Same Dimension

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



43.9410, 16.8240, 14.4880



50.4740, 25.8090, 22.3610



41.7750, 22.9230, 8.5790



33.4240, 1.7420, 1.4700



35.4150, 42.6330, 36.8490



81.0970, 98.0560, 84.2000



# Inverse Universe

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



43.9410, 16.8240, 14.4880



50.4740, 25.8090, 22.3610



57.2250, -22.9230, -8.5790



33.4240, 1.7420, 1.4700



35.4150, 42.6330, 36.8490

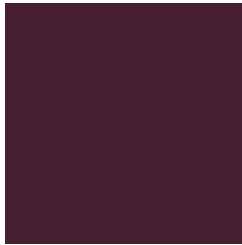


81.0970, 98.0560, 84.2000



# Previews

## White Background



This preview shows how the YIQ color 43.9410, 16.8240, 14.4880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

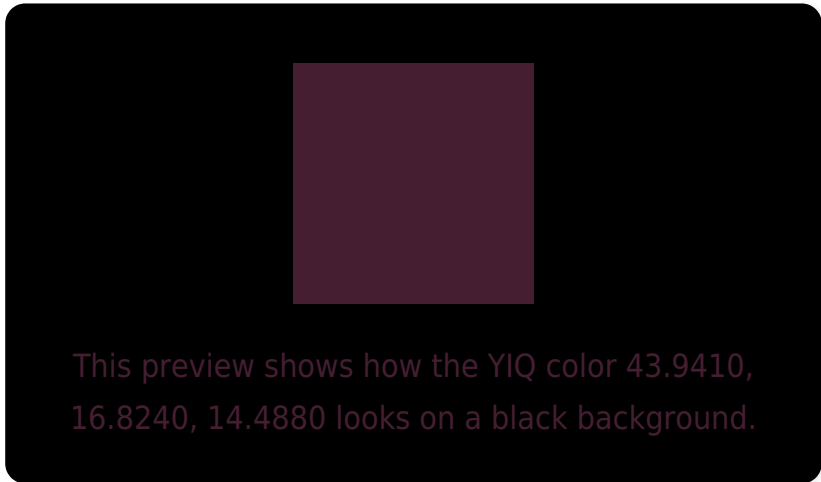
Any Text WCAG AA ✓ Pass

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

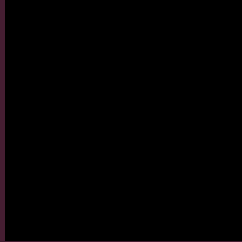
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 43.9410, 16.8240, 14.4880

## Background



This preview shows how black text looks on a background with the YIQ color 43.9410, 16.8240, 14.4880.



This preview shows how white text looks on a background with the YIQ color 43.9410, 16.8240,



# 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

43.9410, 16.8240, 14.4880

### Protanopia

43.6280, -7.5200, 4.1280

### Deuteranopia

44.4670, 0.1830, 2.1910



## Tritanopia

43.6930, 20.2180, 8.0420

# Trichromacy



## Original Color

43.9410, 16.8240, 14.4880

## Protanomaly

43.6400, 1.3740, 8.1420

## Deuteranomaly

44.0380, 6.0050, 6.8130

## Tritanomaly

43.6760, 18.8880, 10.1200

# Monochromacy



## Original Color

43.9410, 16.8240, 14.4880

## Achromatopsia

44.0000, -0.0000, -0.0000

## Achromatomaly

43.9840, 6.0970, 5.1450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 43.9410, 16.8240, 14.4880 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(69, 30, 50)` looks like.

```
.text, #text, p{  
    color:rgb(69, 30, 50)  
}
```

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(69, 30, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 30, 50) }
```

## Border

The CSS property to change the border of an element to YIQ 43.9410, 16.8240, 14.4880 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(69, 30, 50) }
```



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

```
.border{ border-color:rgb(69, 30, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 30, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 30, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 30, 50);  
box-shadow:4px 4px 4px 4px rgb(69, 30, 50)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 43.9410, 16.8240, 14.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 30, 50) }
```

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

```
.background{ background-color: rgb(69, 30,  
50) }
```

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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