

# Converting Colors

YIQ(48.4700, 14.4370, 30.2210)

Have a look what the booklet for  
YIQ(48.4700, 14.4370, 30.2210)  
contains.

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# Color

**YIQ(48.4700, 14.4370,  
30.2210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	511954
RGB	81, 25, 84
RGB Percent	32%, 10%, 33%
CMY	0.6822, 0.9020, 0.6706
CMYK	0.04, 0.70, 0.00, 0.67
HSL	297°, 54%, 21%
HSV	297°, 70%, 33%
XYZ	5.3445, 3.0856, 8.7020
YIQ	48.4700, 14.4370, 30.2210

# Conversions

## Conversions Part 2

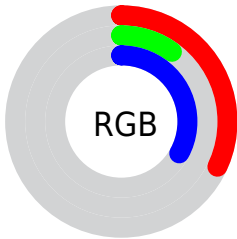
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 25, 84
Decimal	5314900
CIELab	20.38, 34.73, -23.42
CIELCh	20, 41.887, 326.007
Yxy	3.0856, 0.3120, 0.1801
Android (android.graphics.Color)	4283504980 (0xFF511954)
YUV	48.4700, 17.5163, 28.5288
Hunter-Lab	17.5660, 23.5689, -17.0754

# Details

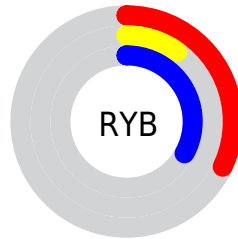
The YIQ color **48.4700, 14.4370, 30.2210** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **60.5300, -14.4370, -30.2210**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **97.5950, 15.5830, 31.4790**, and **15.5090, 9.5330, 19.9730** is the 20% darker color. If you saturate the color by 10%, you get **43.7740, 16.6370, 34.4050**, and if you desaturate by 10%, it is **53.1660, 12.2370, 26.0370**.

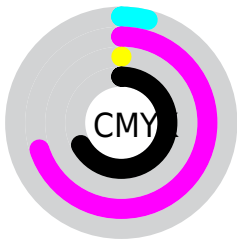
# Distribution



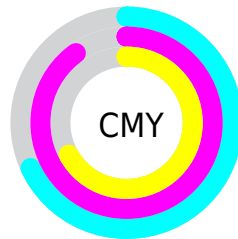
- Red (32%)
- Green (10%)
- Blue (33%)



- Red (32%)
- Yellow (10%)
- Blue (33%)



- Cyan (4%)
- Magenta (70%)
- Yellow (0%)
- Black (67%)



- Cyan (68%)
- Magenta (90%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 48.4700, 14.4370, 30.2210 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 48.4700, 14.4370, 30.2210 by changing the saturation by 10% instead.



■ 48.4700, 14.4370,  
30.2210

■ 48.4700, 14.4370,  
30.2210

■ 255.0000, -0.0000,  
-0.0000

■ 23.9970, 14.3910,  
31.0550

■ 97.5950, 15.5830,  
31.4790

■ 15.5090, 9.5330,  
19.9730

■ 123.3070, 16.4540,  
32.2140

■ 2.4110, -5.4110,  
4.4530

■ 150.0190, 17.3250,  
32.9490

■ 0.0000, 0.0000,  
0.0000


■ 176.8450, 17.8750,  
33.9950


■ 204.6710, 18.4250,  
35.0410


■ 225.6500, 13.7500,


26.1500


 242.6730, 5.7750,  
10.9830


 48.4700, 14.4370,  
30.2210


 48.4700, 14.4370,  
30.2210

 43.7740, 16.6370,  
34.4050


 53.1660, 12.2370,  
26.0370


 38.1920, 18.5160,  
38.9000

 58.7480, 10.3580,  
21.5420

 33.4960, 20.7160,  
43.0840

 63.4440, 8.1580,  
17.3580

 69.0260, 6.2790,  
12.8630

 73.7220, 4.0790,  
8.6790

■ 78.7170, 2.4750,  
4.7070

■ 84.0000, -0.0000,  
-0.0000

■ 88.6960, -2.2000,  
-4.1840

■ 94.2780, -4.0790,  
-8.6790

# Harmonies

## Analogous

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



47.6760, -24.6700, 17.5860



48.4700, 14.4370, 30.2210



39.6920, 40.2950, 35.1670

# Triad

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



48.4700, 14.4370, 30.2210



46.4370, 26.0900, -10.2780



44.9440, -41.1250, -9.1010

# Complementary

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



48.4700, 14.4370, 30.2210



60.5300, -14.4370, -30.2210

# 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.



41.4100, -31.1740, -18.7420



48.4700, 14.4370, 30.2210



43.0490, 6.3310, -21.1330

# Square

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



48.4700, 14.4370, 30.2210



45.0960, 43.6480, 1.9200



36.3600, -19.7100, -28.2700



46.6200, -48.6000, -0.2800



# Rectangle

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



48.4700, 14.4370, 30.2210



38.4830, 47.9530, 28.5370



36.3600, -19.7100, -28.2700



43.8040, -37.9150, -12.2110

# Sweetspot

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



48.4700, 14.4370, 30.2210



95.9010, 5.1330, 11.6050



34.0740, -20.0390, 16.2570



47.4830, 3.2540, 7.1100



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.



48.4700, 14.4370, 30.2210



54.5010, 22.3200, 47.0560



46.4030, 24.5710, 22.7710



38.6520, 1.1000, 2.0920



41.5710, 25.2990, 53.6430



92.2280, 56.6480, 118.7920



# Inverse Universe

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



42.9830, 34.2010, 13.4410



45.9640, 53.5480, 20.7480



62.5970, -24.5710, -22.7710



38.1960, 2.3840, 0.8480



31.9650, 60.9750, 23.8150

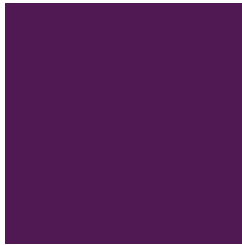


70.7360, 134.4200, 52.9160



# Previews

## White Background



This preview shows how the YIQ color 48.4700, 14.4370, 30.2210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

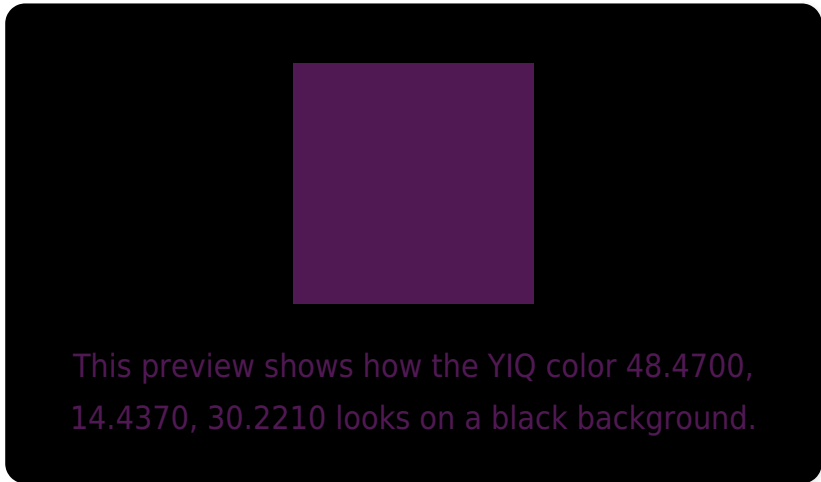
Any Text WCAG AA ✓ Pass

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

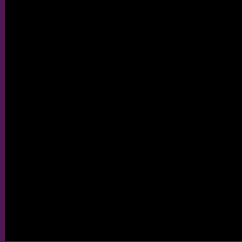
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 48.4700, 14.4370, 30.2210**

## **Background**



This preview shows how black text looks on a background with the YIQ color 48.4700, 14.4370, 30.2210.



This preview shows how white text looks on a background with the YIQ color 48.4700, 14.4370,



# 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

48.4700, 14.4370, 30.2210

### Protanopia

40.6190, -46.8590, 6.7170

### Deuteranopia

49.2230, -19.4410, 5.4150



## Tritanopia

50.4050, 21.0890, 8.7770

# Trichromacy



## Original Color

48.4700, 14.4370, 30.2210

## Protanomaly

43.2090, -24.8530, 15.3950

## Deuteranomaly

49.1370, -7.1550, 14.0370

## Tritanomaly

49.7780, 18.8410, 16.4810

# Monochromacy



## Original Color

48.4700, 14.4370, 30.2210

## Achromatopsia

48.0000, -0.0000, 0.0000

## Achromatomaly

48.3740, 5.1790, 10.7710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 48.4700, 14.4370, 30.2210 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(81, 25, 84)` looks like.

```
.text, #text, p{  
    color:rgb(81, 25, 84)  
}
```

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(81, 25, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 25, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 48.4700, 14.4370, 30.2210 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(81, 25, 84) }
```



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

```
.border{ border-color:rgb(81, 25, 84) }
```

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

Here you see how a box with a 4 pixel rgb(81, 25, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 25, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 25, 84);  
box-shadow:4px 4px 4px 4px rgb(81, 25, 84)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 48.4700, 14.4370, 30.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 25, 84) }
```

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

```
.background{ background-color: rgb(81, 25,  
84) }
```

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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