

# Converting Colors

YIQ(47.0980, -11.4190, 14.2210)

Have a look what the booklet for  
YIQ(47.0980, -11.4190, 14.2210)  
contains.

<b>YIQ(47.0980, -11.4190, 14.2210)</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(47.0980, -11.4190,  
14.2210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D2954
RGB	45, 41, 84
RGB Percent	18%, 16%, 33%
CMY	0.8235, 0.8392, 0.6707
CMYK	0.46, 0.51, 0.00, 0.67
HSL	246°, 34%, 25%
HSV	246°, 51%, 33%
XYZ	3.4749, 2.7836, 8.7375
YIQ	47.0980, -11.4190, 14.2210

# Conversions

## Conversions Part 2

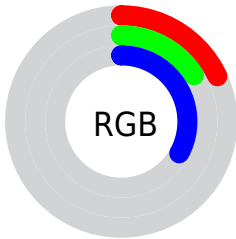
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 41, 84
Decimal	2959700
CIE <sub>Lab</sub>	19.16, 14.41, -25.65
CIE <sub>LCh</sub>	19, 29.425, 299.333
Yxy	2.7836, 0.2317, 0.1856
Android (android.graphics.Color)	4281149780 (0xFF2D2954)
YUV	47.0980, 18.1927, -1.8399
Hunter-Lab	16.6843, 7.9798, -19.3712

# Details

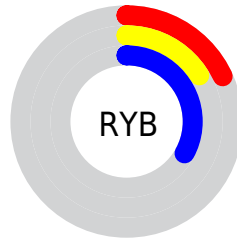
The YIQ color **47.0980, -11.4190, 14.2210** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **77.9020, 11.4190, -14.2210**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.5650, -11.2360, 16.4120**, and **4.4460, -12.5190, 12.1290** is the 20% darker color. If you saturate the color by 10%, you get **40.0100, -13.9870, 16.7090**, and if you desaturate by 10%, it is **54.1860, -8.8510, 11.7330**.

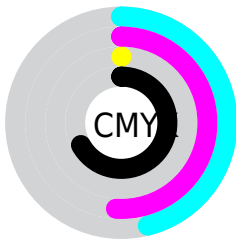
# Distribution



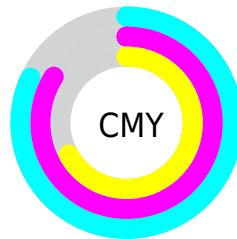
- Red (18%)
- Green (16%)
- Blue (33%)



- Red (18%)
- Yellow (16%)
- Blue (33%)



- Cyan (46%)
- Magenta (51%)
- Yellow (0%)
- Black (67%)



- Cyan (82%)
- Magenta (84%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.0980, -11.4190, 14.2210 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 47.0980, -11.4190, 14.2210 by changing the saturation by 10% instead.



■ 47.0980, -11.4190,  
14.2210

■ 47.0980, -11.4190,  
14.2210

■ 255.0000, -0.0000,  
-0.0000

■ 25.5600, -12.8400,  
12.4400

■ 93.5650, -11.2360,  
16.4120

■ 4.4460, -12.5190,  
12.1290

■ 118.9780,  
-10.9610, 16.9350

■ 2.4110, -5.4110,  
4.4530

■ 144.5050,  
-11.0070, 17.7690

■ 0.0000, 0.0000,  
0.0000

■ 171.0320,  
-11.0530, 18.6030

■ 198.2600,  
-11.6950, 19.2250

■ 224.6210, -5.6420,

14.1500

249.1300, 2.7500,  
5.2300

47.0980, -11.4190,  
14.2210

47.0980, -11.4190,  
14.2210

40.0100, -13.9870,  
16.7090

54.1860, -8.8510,  
11.7330

32.6340, -15.6840,  
19.9320

61.5620, -7.1540,  
8.5100

25.5460, -18.2520,  
22.4200

68.6500, -4.5860,  
6.0220

18.1700, -19.9490,  
25.6430

76.0260, -2.8890,  
2.7990

11.9680, -22.1960,  
27.8200

83.1140, -0.3210,  
0.3110

■ 90.2020, 2.2470,  
-2.1770

■ 97.5780, 3.9440,  
-5.4000

■ 104.6660, 6.5120,  
-7.8880

■ 112.3410, 8.8050,  
-10.8990

# Harmonies

## Analogous

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



38.9090, -42.0440, 2.0520



47.0980, -11.4190, 14.2210



47.5910, 12.2380, 20.5100

# Triad

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



47.0980, -11.4190, 14.2210



44.6430, 31.6820, -1.4860



38.0020, -29.8450, -15.2930

# Complementary

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



47.0980, -11.4190, 14.2210



77.9020, 11.4190, -14.2210

# 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.



35.2060, -21.9120, -21.4000



47.0980, -11.4190, 14.2210



43.7570, 22.1930, -11.2390

# Square

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



47.0980, -11.4190, 14.2210



44.6300, 33.6970, 11.5610



41.3420, 7.0640, -17.8960



40.5100, -36.9070, -8.4510



# Rectangle

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



47.0980, -11.4190, 14.2210



45.7510, 23.4710, 20.6790



41.3420, 7.0640, -17.8960



37.2040, -27.5980, -17.4700

# Sweetspot

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



47.0980, -11.4190, 14.2210



95.5360, -4.2650, 5.7110



68.7950, -24.5280, -7.0240



47.4390, -2.6140, 3.3220



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.



47.0980, -11.4190, 14.2210



52.4320, -17.9310, 22.1090



53.3770, 1.0970, 18.6730



37.4560, -1.2840, 1.2440



14.9600, -27.7450, 34.7750



33.0260, -61.3600, 76.8160



# Inverse Universe

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



58.3030, 13.1090, 21.2450



69.8730, 20.6720, 32.8640



71.6230, -1.0970, -18.6730



38.5380, 1.4210, 1.7810



42.2250, 32.0850, 51.8050



93.3080, 70.8620, 114.4940



# Previews

## White Background



This preview shows how the YIQ color 47.0980, -11.4190, 14.2210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

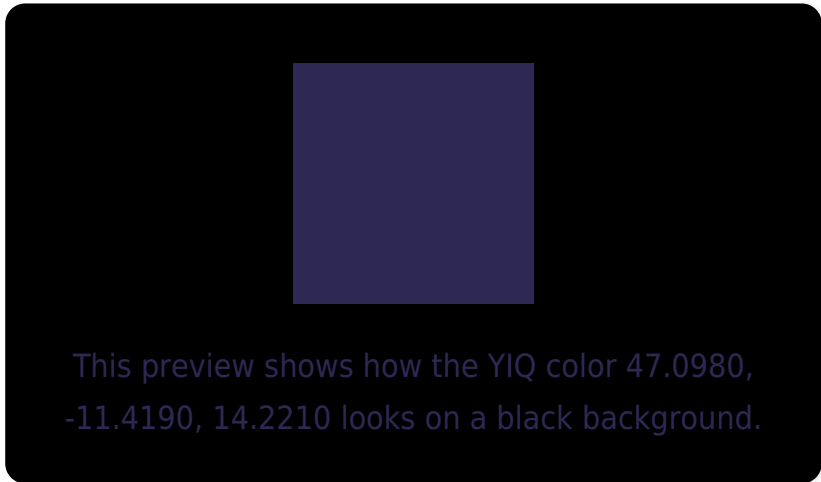
Any Text WCAG AA ✓ Pass

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 47.0980, -11.4190, 14.2210

## Background



This preview shows how black text looks on a background with the YIQ color 47.0980, -11.4190, 14.2210.



This preview shows how white text looks on a background with the YIQ color 47.0980, -11.4190,



# 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

47.0980, -11.4190, 14.2210

### Protanopia

43.3240, -26.9150, 8.7090

### Deuteranopia

41.2370, -31.2240, 4.2000



## Tritanopia

45.5690, -9.0320, -1.5120

# Trichromacy



## Original Color

47.0980, -11.4190, 14.2210

## Protanomaly

45.0150, -21.5510, 10.6170

## Deuteranomaly

43.3520, -24.1180, 7.5780

## Tritanomaly

45.9590, -9.9500, 4.1140

# Monochromacy



## Original Color

47.0980, -11.4190, 14.2210

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.0090, -4.2190, 4.8770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.0980, -11.4190, 14.2210 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(45, 41, 84)` looks like.

```
.text, #text, p{  
    color:rgb(45, 41, 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(45, 41, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 41, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 47.0980, -11.4190, 14.2210 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(45, 41, 84) }
```



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

```
.border{ border-color:rgb(45, 41, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 41, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 41, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 41, 84);  
box-shadow:4px 4px 4px 4px rgb(45, 41, 84)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 47.0980, -11.4190, 14.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 41, 84) }
```

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

```
.background{ background-color: rgb(45, 41,  
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](#).

# 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