

# Converting Colors

YIQ(46.0080, -2.4780, 11.8740)

Have a look what the booklet for  
YIQ(46.0080, -2.4780, 11.8740)  
contains.

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# Color

**YIQ(46.0080, -2.4780,  
11.8740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	332745
RGB	51, 39, 69
RGB Percent	20%, 15%, 27%
CMY	0.7999, 0.8471, 0.7294
CMYK	0.26, 0.43, 0.00, 0.73
HSL	264°, 28%, 21%
HSV	264°, 43%, 27%
XYZ	3.1651, 2.5844, 5.9609
YIQ	46.0080, -2.4780, 11.8740

# Conversions

## Conversions Part 2

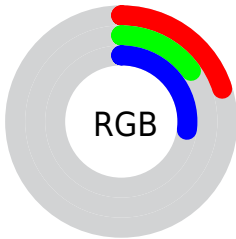
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 39, 69
Decimal	3352389
CIE <sub>Lab</sub>	18.30, 13.03, -16.81
CIE <sub>LCh</sub>	18, 21.272, 307.789
Y <sub>xy</sub>	2.5844, 0.2703, 0.2207
Android (android.graphics.Color)	4281542469 (0xFF332745)
<b>Y<sub>UV</sub></b>	46.0080, 11.3351, 4.3780
Hunter-Lab	16.0761, 7.0107, -10.7310

# Details

The YIQ color **46.0080, -2.4780, 11.8740** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **61.9920, 2.4780, -11.8740**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.9480, -2.2490, 13.2310**, and **2.9640, -8.3460, 8.0860** is the 20% darker color. If you saturate the color by 10%, you get **40.7030, -2.9370, 14.6870**, and if you desaturate by 10%, it is **51.3130, -2.0190, 9.0610**.

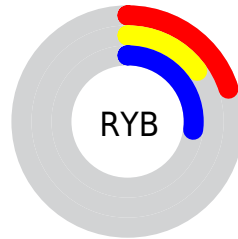
# Distribution



 Red (20%)

 Green (15%)

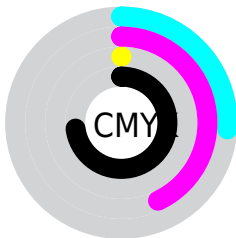
 Blue (27%)




 Red (20%)

 Yellow (15%)

 Blue (27%)

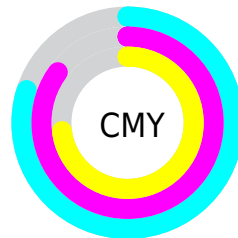


 Cyan (26%)

 Magenta (43%)

 Yellow (0%)

 Black (73%)



 Cyan (80%)

 Magenta (85%)

 Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 46.0080, -2.4780, 11.8740 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 46.0080, -2.4780, 11.8740 by changing the saturation by 10% instead.



■ 46.0080, -2.4780,  
11.8740

■ 46.0080, -2.4780,  
11.8740

■ 255.0000, -0.0000,  
-0.0000

■ 25.1820, -3.0280,  
10.8280

■ 91.9480, -2.2490,  
13.2310

■ 2.9640, -8.3460,  
8.0860

■ 116.4750, -2.2950,  
14.0650

■ 0.0000, 0.0000,  
0.0000

■ 142.5890, -2.6160,  
14.3760

■ 169.0020, -2.3410,  
14.8990

■ 196.4150, -2.0660,  
15.4220

■ 224.5290, -2.3870,

15.7330

247.9560, 3.3000,  
6.2760

46.0080, -2.4780,  
11.8740

46.0080, -2.4780,  
11.8740

40.7030, -2.9370,  
14.6870

51.3130, -2.0190,  
9.0610

35.3980, -3.3960,  
17.5000

56.6180, -1.5600,  
6.2480

30.0930, -3.8550,  
20.3130

61.9230, -1.1010,  
3.4350

24.4890, -4.9100,  
22.9140

67.5270, -0.0460,  
0.8340

19.7710, -5.6440,  
25.2040

72.2450, 0.6880,  
-1.4560

■ 16.2380, -5.4610,  
27.3950

■ 77.5500, 1.1470,  
-4.2690

■ 82.8550, 1.6060,  
-7.0820

■ 88.1600, 2.0650,  
-9.8950

■ 93.4650, 2.5240,  
-12.7080

# Harmonies

## Analogous

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



42.4400, -21.5500, 5.0900



46.0080, -2.4780, 11.8740



45.9020, 12.5600, 14.6720

# Triad

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



46.0080, -2.4780, 11.8740



44.1410, 21.4120, -2.5880



35.9960, -29.7080, -12.2680

# Complementary

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



46.0080, -2.4780, 11.8740



61.9920, 2.4780, -11.8740

# 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.



37.1620, -18.6120, -15.1240



46.0080, -2.4780, 11.8740



42.7330, 13.5730, -9.2030

# Square

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



46.0080, -2.4780, 11.8740



44.2650, 24.2990, 5.6670



40.7960, 0.0940, -12.7220



37.7060, -34.5230, -7.6030



# Rectangle

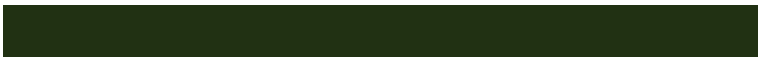
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.0080, -2.4780, 11.8740



45.5560, 19.3460, 12.8340



40.7960, 0.0940, -12.7220



35.4260, -28.1030, -13.8230

# Sweetspot

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



46.0080, -2.4780, 11.8740



80.4500, -1.1470, 4.2690



52.9860, -14.5800, -0.0840



40.3960, -1.0550, 2.6010



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.



46.0080, -2.4780, 11.8740



53.6260, -4.0380, 18.1220



50.4930, 6.4620, 15.0540



33.0540, -0.0920, 1.6680



23.2460, -7.9390, 39.2690



53.0870, -18.6310, 89.8890



# Inverse Universe

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



50.0220, 12.1020, 11.9580



59.9460, 18.4280, 18.4600



57.5070, -6.4620, -15.0540



33.4240, 1.7420, 1.4700



36.4410, 39.7440, 39.6480



83.3770, 91.6360, 90.4200



# Previews

## White Background



This preview shows how the YIQ color 46.0080, -2.4780, 11.8740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

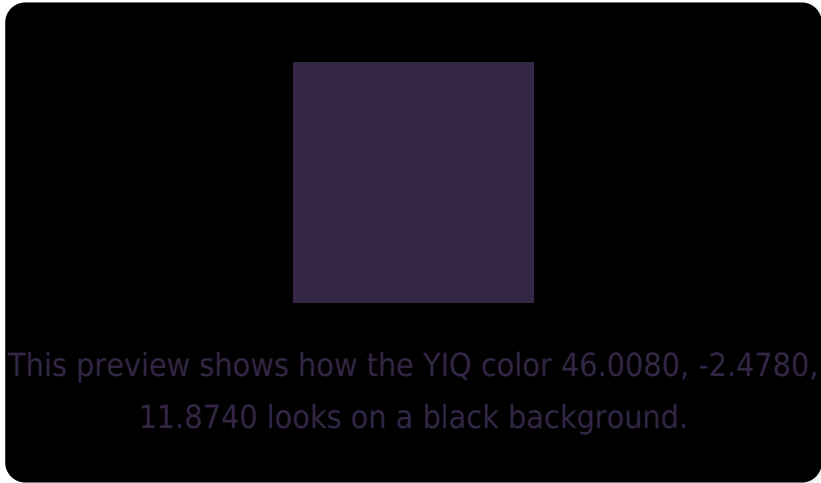
Any Text WCAG AA ✓ Pass

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

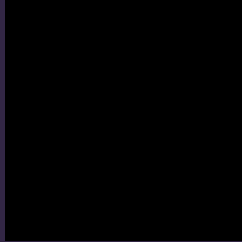
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 46.0080, -2.4780, 11.8740

## Background



This preview shows how black text looks on a background with the YIQ color 46.0080, -2.4780, 11.8740.



This preview shows how white text looks on a background with the YIQ color 46.0080, -2.4780, 11.8740.



# 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

46.0080, -2.4780, 11.8740

### Protanopia

44.0170, -15.8650, 6.6870

### Deuteranopia

44.3330, -13.9390, 4.8210



## Tritanopia

45.2390, 0.8250, 1.5690

# Trichromacy



## Original Color

46.0080, -2.4780, 11.8740

## Protanomaly

44.8220, -10.8220, 8.9060

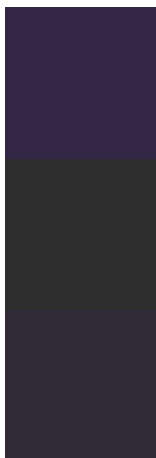
## Deuteranomaly

44.9530, -9.8130, 7.1390

## Tritanomaly

45.2760, -0.5970, 5.3150

# Monochromacy



## Original Color

46.0080, -2.4780, 11.8740

## Achromatopsia

46.0000, 0.0000, -0.0000

## Achromatomaly

45.7490, -0.5510, 4.4810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 46.0080, -2.4780, 11.8740 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(51, 39, 69)` looks like.

```
.text, #text, p{  
    color:rgb(51, 39, 69)  
}
```

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(51, 39, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 39, 69) }
```

## Border

The CSS property to change the border of an element to YIQ 46.0080, -2.4780, 11.8740 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(51, 39, 69) }
```



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

```
.border{ border-color:rgb(51, 39, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 39, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 39, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 39, 69);  
box-shadow:4px 4px 4px 4px rgb(51, 39, 69)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 46.0080, -2.4780, 11.8740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 39, 69) }
```

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

```
.background{ background-color: rgb(51, 39,  
69) }
```

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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