

# Converting Colors

YIQ(47.2820, 8.4340, 12.3540)

Have a look what the booklet for  
YIQ(47.2820, 8.4340, 12.3540)  
contains.

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# Color

**YIQ(47.2820, 8.4340,  
12.3540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3F253B
RGB	63, 37, 59
RGB Percent	25%, 15%, 23%
CMY	0.7529, 0.8549, 0.7686
CMYK	0.00, 0.41, 0.06, 0.75
HSL	309°, 26%, 20%
HSV	309°, 41%, 25%
XYZ	3.5019, 2.6957, 4.4740
YIQ	47.2820, 8.4340, 12.3540

# Conversions

## Conversions Part 2

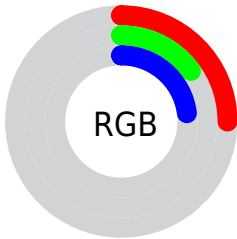
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	63, 37, 59
Decimal	4138299
CIE <sub>Lab</sub>	18.78, 16.46, -9.05
CIE <sub>LCh</sub>	19, 18.779, 331.201
Yxy	2.6957, 0.3282, 0.2526
Android (android.graphics.Color)	4282328379 (0xFF3F253B)
YUV	47.2820, 5.7770, 13.7847
Hunter-Lab	16.4185, 9.3398, -4.6634

# Details

The YIQ color **47.2820, 8.4340, 12.3540** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **52.7180, -8.4340, -12.3540**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.4070, 9.5800, 13.6120**, and **7.5050, 6.1880, 9.0040** is the 20% darker color. If you saturate the color by 10%, you get **43.6460, 10.4050, 15.1810**, and if you desaturate by 10%, it is **50.9180, 6.4630, 9.5270**.

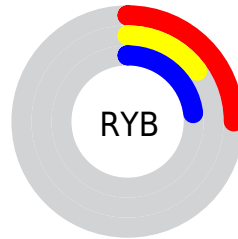
# Distribution



Red (25%)

Green (15%)

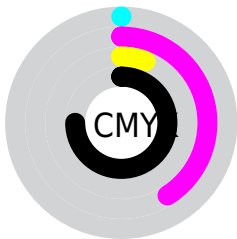
Blue (23%)



Red (25%)

Yellow (15%)

Blue (23%)

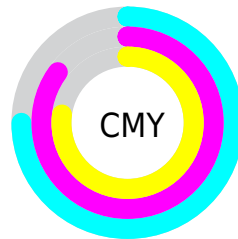


Cyan (0%)

Magenta (41%)

Yellow (6%)

Black (75%)



Cyan (75%)

Magenta (85%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.2820, 8.4340, 12.3540 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 47.2820, 8.4340, 12.3540 by changing the saturation by 10% instead.



■ 47.2820, 8.4340,  
12.3540

■ 47.2820, 8.4340,  
12.3540

■ 255.0000, -0.0000,  
-0.0000

■ 25.8690, 8.1590,  
11.8310

■ 93.4070, 9.5800,  
13.6120

■ 7.5050, 6.1880,  
9.0040

■ 118.7060, 10.1760,  
13.8240

■ 0.0000, 0.0000,  
0.0000


■ 144.2330, 10.1300,  
14.6580


■ 170.8310, 11.3220,  
15.0820

■ 198.2440, 11.5970,  
15.6050


■ 226.2440, 11.5970,


15.6050


 246.7820, 3.8500,  
7.3220


 47.2820, 8.4340,  
12.3540


 47.2820, 8.4340,  
12.3540

 43.6460, 10.4050,  
15.1810


 50.9180, 6.4630,  
9.5270


 39.4230, 12.6510,  
18.5310


 55.1410, 4.2170,  
6.1770


 35.7870, 14.6220,  
21.3580

 58.7770, 2.2460,  
3.3500

 32.1510, 16.5930,  
24.1850

 62.4130, 0.2750,  
0.5230

 27.9280, 18.8390,  
27.5350

 66.6360, -1.9710,  
-2.8270

■ 24.8790, 20.5350,  
29.8390

■ 70.2720, -3.9420,  
-5.6540

■ 73.9080, -5.9130,  
-8.4810

■ 77.5440, -7.8840,  
-11.3080

■ 81.7670, -10.1300,  
-14.6580

# Harmonies

## Analogous

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



46.8720, -5.0910, 9.6690



47.2820, 8.4340, 12.3540



46.4310, 18.2000, 11.5760

# Triad

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



47.2820, 8.4340, 12.3540



44.3140, 13.4350, -6.7010



37.2500, -33.2390, -8.8470

# Complementary

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



47.2820, 8.4340, 12.3540



52.7180, -8.4340, -12.3540

# 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.



36.3550, -29.3410, -13.4130



47.2820, 8.4340, 12.3540



42.9320, 2.7070, -10.5170

# Square

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



47.2820, 8.4340, 12.3540



45.1240, 20.0820, -0.5100



40.7500, -11.4600, -12.5800



37.2160, -35.8990, -4.6910



# Rectangle

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



47.2820, 8.4340, 12.3540



46.2910, 21.4100, 8.4660



40.7500, -11.4600, -12.5800



37.3810, -32.2300, -10.6140

# Sweetspot

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



47.2820, 8.4340, 12.3540



75.9020, 3.3920, 4.6080



41.1600, -5.9620, 8.9340



37.3640, 1.9710, 2.8270



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000



# Same Dimension

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



47.2820, 8.4340, 12.3540



57.1350, 13.5220, 19.2660



45.8000, 12.6070, 8.3110



29.1250, 1.1460, 1.2580



37.2260, 30.3440, 44.8080



87.8100, 71.9640, 105.5320



# Inverse Universe

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



47.2820, 8.4340, 12.3540



57.1350, 13.5220, 19.2660



54.2000, -12.6070, -8.3110



29.1250, 1.1460, 1.2580



37.2260, 30.3440, 44.8080



87.8100, 71.9640, 105.5320



# Previews

## White Background



This preview shows how the YIQ color 47.2820, 8.4340, 12.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

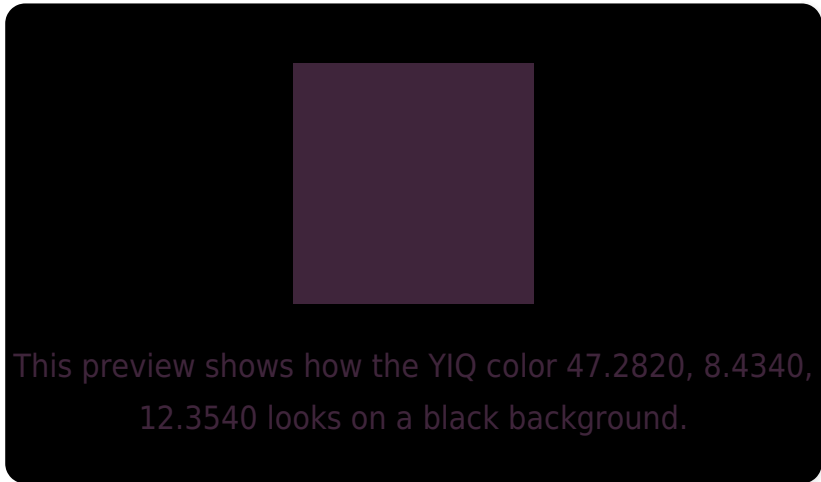
Any Text WCAG AA ✓ Pass

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

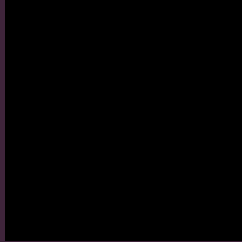
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 47.2820, 8.4340, 12.3540**

## **Background**



This preview shows how black text looks on a background with the YIQ color 47.2820, 8.4340, 12.3540.



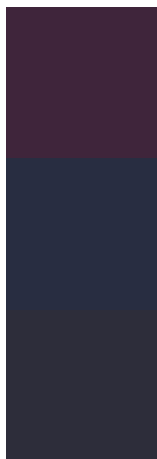
This preview shows how white text looks on a background with the YIQ color 47.2820, 8.4340,



# 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

47.2820, 8.4340, 12.3540

### Protanopia

45.7850, -9.4000, 5.1600

### Deuteranopia

46.4820, -4.1730, 4.0430



## Tritanopia

46.6210, 11.5530, 5.3850

# Trichromacy



## Original Color

47.2820, 8.4340, 12.3540

## Protanomaly

46.1880, -3.1650, 7.8030

## Deuteranomaly

46.8140, 0.8240, 7.0960

## Tritanomaly

47.0170, 10.4980, 7.9860

# Monochromacy



## Original Color

47.2820, 8.4340, 12.3540

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.9020, 3.3920, 4.6080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.2820, 8.4340, 12.3540 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(63, 37, 59)` looks like.

```
.text, #text, p{  
    color:rgb(63, 37, 59)  
}
```

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(63, 37, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 37, 59) }
```

## Border

The CSS property to change the border of an element to YIQ 47.2820, 8.4340, 12.3540 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".

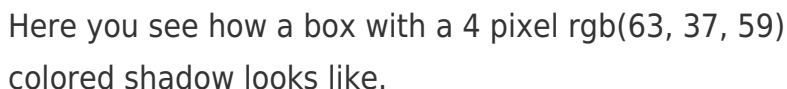
```
.border, #border, table{ border:4px solid rgb(63, 37, 59) }
```



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

```
.border{ border-color:rgb(63, 37, 59) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 37, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 37, 59); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 37, 59); box-shadow:4px 4px 4px 4px rgb(63, 37, 59) }
```

# Background

The CSS property to change the background color of an element to YIQ 47.2820, 8.4340, 12.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 37, 59) }
```

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

```
.background{ background-color: rgb(63, 37,  
59) }
```

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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