

# Converting Colors

YIQ(40.4470, 12.1030, 6.4310)

Have a look what the booklet for  
YIQ(40.4470, 12.1030, 6.4310)  
contains.

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# Color

**YIQ(40.4470, 12.1030,  
6.4310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	382126
RGB	56, 33, 38
RGB Percent	22%, 13%, 15%
CMY	0.7803, 0.8706, 0.8509
CMYK	0.00, 0.41, 0.32, 0.78
HSL	347°, 26%, 17%
HSV	347°, 41%, 22%
XYZ	2.5253, 2.0684, 2.1008
YIQ	40.4470, 12.1030, 6.4310

# Conversions

## Conversions Part 2

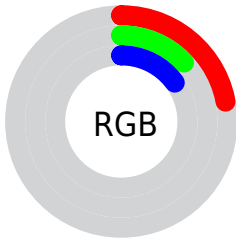
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 33, 38
Decimal	3678502
CIE <sub>Lab</sub>	15.84, 11.95, 1.26
CIE <sub>LCh</sub>	16, 12.014, 6.010
Yxy	2.0684, 0.3772, 0.3090
Android (android.graphics.Color)	4281868582 (0xFF382126)
YUV	40.4470, -1.2064, 13.6400
Hunter-Lab	14.3818, 6.1750, 1.4066

# Details

The YIQ color **40.4470, 12.1030, 6.4310** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **48.5530, -12.1030, -6.4310**, and the grayscale version is **40.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **86.3440, 13.8910, 7.0670**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.4690, 15.0370, 8.3250**, and if you desaturate by 10%, it is **44.4250, 9.1690, 4.5370**.

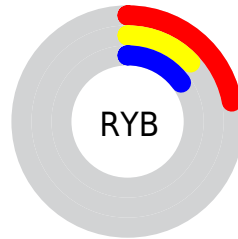
# Distribution



Red (22%)

Green (13%)

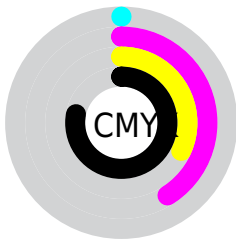
Blue (15%)



Red (22%)

Yellow (13%)

Blue (15%)

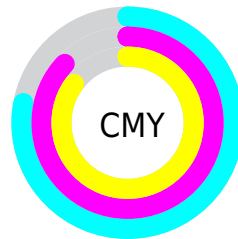


Cyan (0%)

Magenta (41%)

Yellow (32%)

Black (78%)



Cyan (78%)

Magenta (87%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 40.4470, 12.1030, 6.4310 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 40.4470, 12.1030, 6.4310 by changing the saturation by 10% instead.



■ 40.4470, 12.1030,  
6.4310

■ 40.4470, 12.1030,  
6.4310

255.0000, -0.0000,  
-0.0000

■ 19.4470, 12.1030,  
6.4310

■ 86.3440, 13.8910,  
7.0670

■ 0.0000, 0.0000,  
0.0000

■ 110.6430, 14.4870,  
7.2790

■ 135.9420, 15.0830,  
7.4910


■ 162.2410, 15.6790,  
7.7030


■ 188.9530, 16.5500,  
8.4380


■ 217.2520, 17.1460,

8.6500


 241.6640, 9.9940,  
6.1060

 40.4470, 12.1030,  
6.4310


 40.4470, 12.1030,  
6.4310


 36.4690, 15.0370,  
8.3250


 44.4250, 9.1690,  
4.5370


 32.9640, 18.0170,  
9.3850


 47.9300, 6.1890,  
3.4770


 28.9860, 20.9510,  
11.2790

 51.9080, 3.2550,  
1.5830

 25.4810, 23.9310,  
12.3390

 55.4130, 0.2750,  
0.5230

 21.5030, 26.8650,  
14.2330

 59.3910, -2.6590,  
-1.3710

■ 18.1120, 29.5240,  
15.6040

■ 63.3690, -5.5930,  
-3.2650

■ 66.8740, -8.5730,  
-4.3250

■ 70.8520, -11.5070,  
-6.2190

■ 74.2430, -14.1660,  
-7.5900

# Harmonies

## Analogous

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



40.8640, 6.5550, 7.8590



40.4470, 12.1030, 6.4310



40.1220, 14.3960, 3.4200

# Triad

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



40.4470, 12.1030, 6.4310



37.6700, 0.6890, -6.9830



36.3060, -18.4770, -1.0450

# Complementary

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



40.4470, 12.1030, 6.4310



48.5530, -12.1030, -6.4310

# 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.



34.4040, -21.8690, -5.6530



40.4470, 12.1030, 6.4310



36.6520, -8.0680, -7.9720

# Square

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



40.4470, 12.1030, 6.4310



38.5570, 8.4370, -4.2270



34.9870, -16.3210, -7.0810



39.1330, -10.5000, 3.0680



# Rectangle

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



40.4470, 12.1030, 6.4310



39.9430, 13.3420, 0.4940



34.9870, -16.3210, -7.0810



35.4690, -20.4940, -3.0380

# Sweetspot

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



40.4470, 12.1030, 6.4310



67.9190, 4.7220, 2.5300



41.0040, 3.3450, 10.9690



34.6090, 2.6590, 1.3710



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



40.4470, 12.1030, 6.4310



49.6760, 18.8880, 10.1200



43.3990, 12.0580, 1.7380



26.0110, 1.4670, 0.9470



29.7880, 48.4120, 25.7240



70.9530, 115.1160, 61.3560



# Inverse Universe

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



40.4470, 12.1030, 6.4310



49.6760, 18.8880, 10.1200



45.6010, -12.0580, -1.7380



26.0110, 1.4670, 0.9470



29.7880, 48.4120, 25.7240

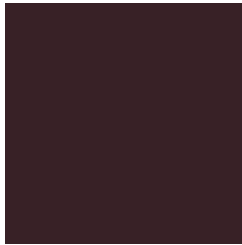


70.9530, 115.1160, 61.3560



# Previews

## White Background



This preview shows how the YIQ color 40.4470, 12.1030, 6.4310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

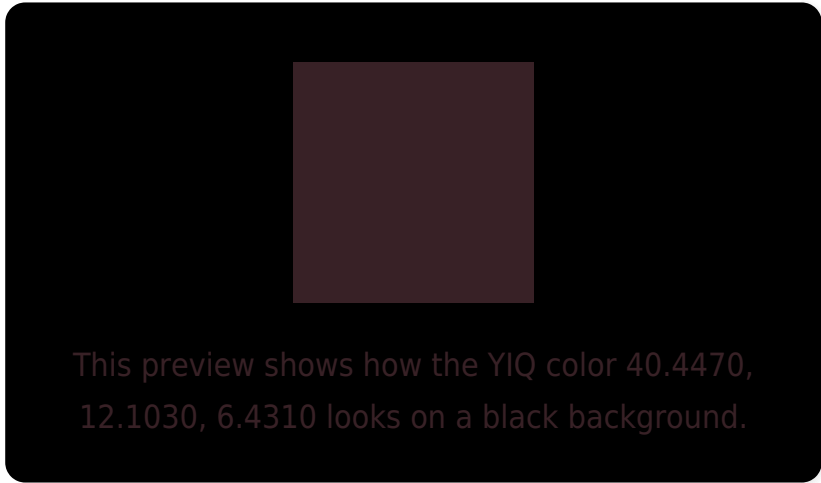
Any Text WCAG AA ✓ Pass

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

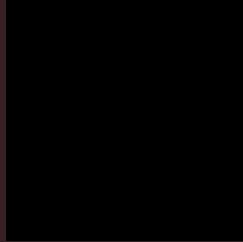
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 40.4470, 12.1030, 6.4310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 40.4470, 12.1030, 6.4310.



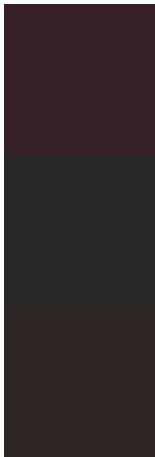
This preview shows how white text looks on a background with the YIQ color 40.4470, 12.1030,



# 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

40.4470, 12.1030, 6.4310

### Protanopia

40.2280, -0.6420, 0.6220

### Deuteranopia

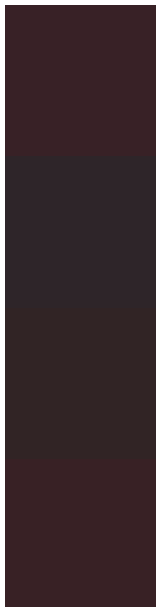
39.9790, 4.4930, 1.1730



## Tritanopia

40.2190, 12.7450, 5.8090

# Trichromacy



## Original Color

40.4470, 12.1030, 6.4310

## Protanomaly

40.1470, 4.0800, 3.1520

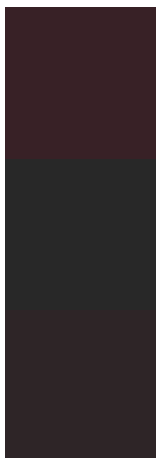
## Deuteranomaly

40.0010, 7.4270, 3.0670

## Tritanomaly

40.3330, 12.4240, 6.1200

# Monochromacy



## Original Color

40.4470, 12.1030, 6.4310

## Achromatopsia

40.0000, 0.0000, -0.0000

## Achromatomaly

39.9190, 4.7220, 2.5300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 40.4470, 12.1030, 6.4310 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(56, 33, 38)` looks like.

```
.text, #text, p{  
    color:rgb(56, 33, 38)  
}
```

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(56, 33, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 33, 38) }
```

## Border

The CSS property to change the border of an element to YIQ 40.4470, 12.1030, 6.4310 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(56, 33, 38) }
```



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

```
.border{ border-color:rgb(56, 33, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 33, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 33, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 33, 38);  
box-shadow:4px 4px 4px 4px rgb(56, 33, 38)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 40.4470, 12.1030, 6.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 33, 38) }
```

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

```
.background{ background-color: rgb(56, 33,  
38) }
```

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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