

# Converting Colors

YIQ(36.5880, 33.5150, 3.8430)

Have a look what the booklet for  
YIQ(36.5880, 33.5150, 3.8430)  
contains.

<b>YIQ(36.5880, 33.5150, 3.8430)</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(36.5880, 33.5150,  
3.8430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	471906
RGB	71, 25, 6
RGB Percent	28%, 10%, 2%
CMY	0.7215, 0.9020, 0.9763
CMYK	0.00, 0.65, 0.91, 0.72
HSL	17°, 84%, 15%
HSV	17°, 91%, 28%
XYZ	2.9807, 2.0482, 0.4116
YIQ	36.5880, 33.5150, 3.8430

# Conversions

## Conversions Part 2

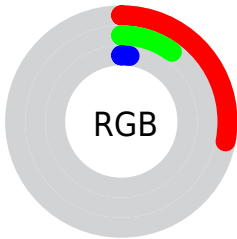
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 33, 6
Decimal	4659462
CIE Lab	15.74, 20.87, 21.25
CIE LCh	16, 29.784, 45.511
Yxy	2.0482, 0.5479, 0.3765
Android (android.graphics.Color)	4282849542 (0xFF471906)
YUV	36.5880, -15.0799, 30.1793
Hunter-Lab	14.3115, 12.1309, 8.3128

# Details

The YIQ color **36.5880, 33.5150, 3.8430** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **40.4120, -33.5150, -3.8430**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **83.6810, 37.6870, 5.3270**, and **1.7940, 3.5760, 1.2720** is the 20% darker color. If you saturate the color by 10%, you get **33.5560, 36.5410, 4.0690**, and if you desaturate by 10%, it is **40.3210, 29.8930, 3.4050**.

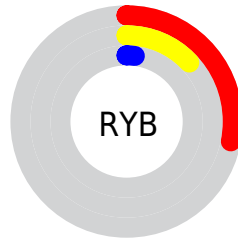
# Distribution



Red (28%)

Green (10%)

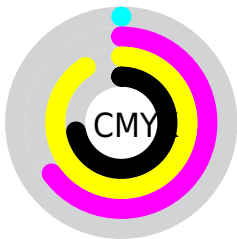
Blue (2%)



Red (28%)

Yellow (13%)

Blue (2%)

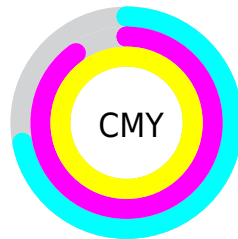


Cyan (0%)

Magenta (65%)

Yellow (91%)

Black (72%)



Cyan (72%)

Magenta (90%)


Yellow (98%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 36.5880, 33.5150, 3.8430 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 36.5880, 33.5150, 3.8430 by changing the saturation by 10% instead.





 36.5880, 33.5150,  
3.8430


 36.5880, 33.5150,  
3.8430


 252.2640, 7.7040,  
-7.4640


 15.5150, 26.5910,  
8.1830


 83.6810, 37.6870,  
5.3270


 2.0930, 4.1720,  
1.4840

 108.7630, 40.3920,  
5.8640

 0.0000, 0.0000,  
0.0000

 134.5460, 42.5010,  
6.1890

 161.0300, 44.0140,  
6.3020

 188.8130, 46.1230,  
6.6270

 213.0080, 41.0800,

4.4080

■ 232.6360, 24.3920,  
-1.5280

■ 36.5880, 33.5150,  
3.8430

■ 36.5880, 33.5150,  
3.8430

■ 33.5560, 36.5410,  
4.0690

■ 40.3210, 29.8930,  
3.4050

■ 44.0540, 26.2710,  
2.9670

■ 47.7870, 22.6490,  
2.5290

■ 51.5200, 19.0270,  
2.0910

■ 55.3670, 15.0840,  
1.9640

■ 59.1000, 11.4620,  
1.5260

■ 62.8330, 7.8400,  
1.0880

■ 66.5660, 4.2180,  
0.6500

■ 70.2990, 0.5960,  
0.2120

# Harmonies

## Analogous

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



36.3080, 31.9080, 16.4520



36.5880, 33.5150, 3.8430



37.3000, 25.2180, -5.4860

# Triad

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



36.5880, 33.5150, 3.8430



31.3680, -22.1880, -16.3960



35.3130, -28.3820, 7.7620

# Complementary

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



36.5880, 33.5150, 3.8430



40.4120, -33.5150, -3.8430

# 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.



35.5350, -38.0550, 1.3450



36.5880, 33.5150, 3.8430



34.4630, -29.5250, -10.0770

# Square

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



36.5880, 33.5150, 3.8430



31.6440, -5.5900, -19.8460



36.0420, -35.3490, -3.6450



40.4480, 2.3350, 18.2630



# Rectangle

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



36.5880, 33.5150, 3.8430



36.6470, 16.6910, -10.6450



36.0420, -35.3490, -3.6450



33.4150, -37.5970, 4.0590

# Sweetspot

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



36.5880, 33.5150, 3.8430



78.5840, 12.9750, 1.6390



30.7930, 23.6530, 28.3970



37.8330, 7.8400, 1.0880



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.



36.5880, 33.5150, 3.8430



43.3570, 47.4070, 5.3830



55.3720, 24.7150, -12.8930



33.7830, 2.1090, 0.3250



46.6240, 51.0290, 5.8210



106.6150, 117.1420, 13.6060



# Inverse Universe

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



40.4120, -33.5150, -3.8430



48.6430, -47.4070, -5.3830



21.6280, -24.7150, 12.8930



34.2170, -2.1090, -0.3250



52.3760, -51.0290, -5.8210

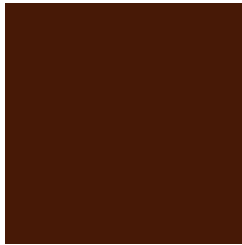


120.3850, -117.1420, -13.6060



# Previews

## White Background



This preview shows how the YIQ color 36.5880, 33.5150, 3.8430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

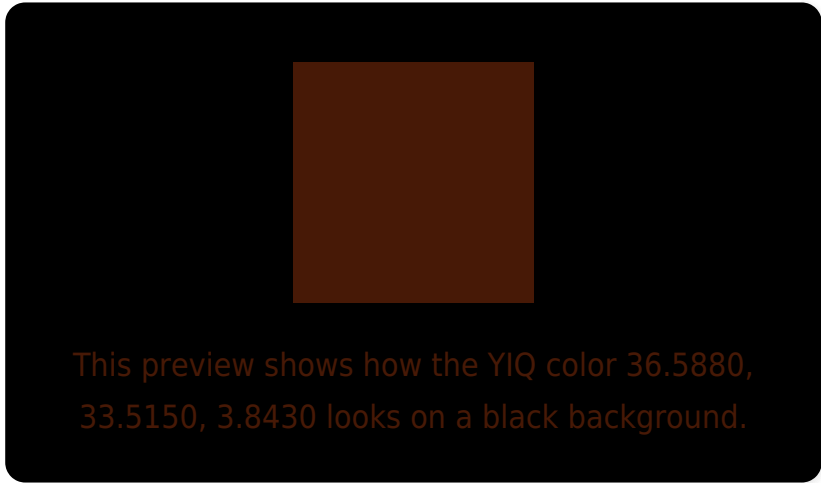
Any Text WCAG AA ✓ Pass

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

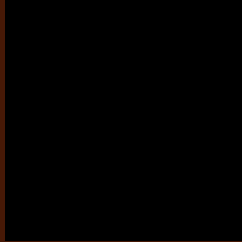
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 36.5880, 33.5150, 3.8430**

## **Background**



This preview shows how black text looks on a background with the YIQ color 36.5880, 33.5150, 3.8430.



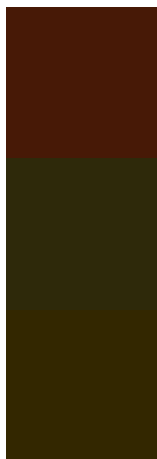
This preview shows how white text looks on a background with the YIQ color 36.5880, 33.5150,



# 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

36.5880, 33.5150, 3.8430

### Protanopia

38.9610, 12.9310, -8.5810

### Deuteranopia

38.1420, 19.6710, -9.5850



## Tritanopia

37.5800, 27.9660, 10.7980

# Trichromacy



## Original Color

36.5880, 33.5150, 3.8430

## Protanomaly

38.0160, 20.2660, -3.8460

## Deuteranomaly

37.5280, 24.5760, -4.8640

## Tritanomaly

37.3690, 29.9380, 8.0980

# Monochromacy



## Original Color

36.5880, 33.5150, 3.8430

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.9860, 11.7830, 1.2150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.5880, 33.5150, 3.8430 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(71, 25, 6)` looks like.

```
.text, #text, p{  
    color:rgb(71, 25, 6)  
}
```

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(71, 25, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 25, 6) }
```

## Border

The CSS property to change the border of an element to YIQ 36.5880, 33.5150, 3.8430 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(71, 25, 6) }
```



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

```
.border{ border-color:rgb(71, 25, 6) }
```

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

Here you see how a box with a 4 pixel rgb(71, 25, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 25, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 25, 6); box-shadow:4px  
4px 4px 4px rgb(71, 25, 6) }
```

# Background

The CSS property to change the background color of an element to YIQ 36.5880, 33.5150, 3.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 25, 6) }
```

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

```
.background{ background-color: rgb(71, 25,  
6) }
```

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