

# Converting Colors

YIQ(38.2430, 30.5330, 13.8370)

Have a look what the booklet for  
YIQ(38.2430, 30.5330, 13.8370)  
contains.

<b>YIQ(38.2430, 30.5330, 13.8370)</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(38.2430, 30.5330,  
13.8370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C151C
RGB	76, 21, 28
RGB Percent	30%, 8%, 11%
CMY	0.7018, 0.9177, 0.8901
CMYK	0.00, 0.72, 0.63, 0.70
HSL	352°, 57%, 19%
HSV	352°, 72%, 30%
XYZ	3.4609, 2.1574, 1.3345
YIQ	38.2430, 30.5330, 13.8370

# Conversions

## Conversions Part 2

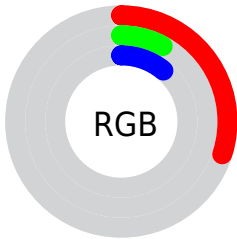
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 21, 28
Decimal	4986140
CIELab	16.29, 26.53, 9.56
CIELCh	16, 28.205, 19.823
Yxy	2.1574, 0.4978, 0.3103
Android (android.graphics.Color)	4283176220 (0xFF4C151C)
YUV	38.2430, -5.0498, 33.1129
Hunter-Lab	14.6880, 16.3558, 4.8949

# Details

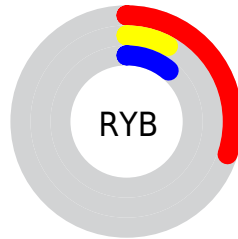
The YIQ color **38.2430, 30.5330, 13.8370** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **58.7570, -30.5330, -13.8370**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **86.2820, 34.7970, 13.6530**, and **6.8770, 13.7080, 4.8760** is the 20% darker color. If you saturate the color by 10%, you get **32.7490, 34.9800, 15.8440**, and if you desaturate by 10%, it is **43.7370, 26.0860, 11.8300**.

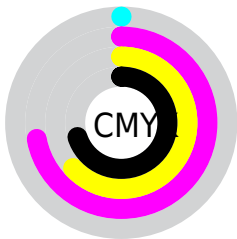
# Distribution



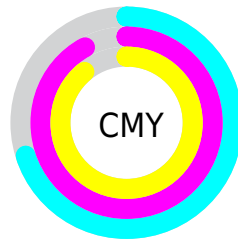
- Red (30%)
- Green (8%)
- Blue (11%)



- Red (30%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (72%)
- Yellow (63%)
- Black (70%)



- Cyan (70%)
- Magenta (92%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.2430, 30.5330, 13.8370 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 38.2430, 30.5330, 13.8370 by changing the saturation by 10% instead.



■ 38.2430, 30.5330,  
13.8370

■ 38.2430, 30.5330,  
13.8370

■ 254.4130, 0.2750,  
0.5230

■ 15.6620, 30.6710,  
11.3350

■ 86.2820, 34.7970,  
13.6530

■ 6.8770, 13.7080,  
4.8760

■ 111.4780, 37.1810,  
14.5010

■ 0.0000, 0.0000,  
0.0000


■ 137.3750, 38.9690,  
15.1370


■ 163.8590, 40.4820,  
15.2500


■ 191.4570, 41.6740,  
15.6740


■ 214.5700, 33.9260,


12.9180


 234.1980, 17.2380,  
6.9820


 38.2430, 30.5330,  
13.8370


 38.2430, 30.5330,  
13.8370


 32.7490, 34.9800,  
15.8440


 43.7370, 26.0860,  
11.8300


 27.9560, 38.8310,  
17.6390

 48.5300, 22.2350,  
10.0350

 23.8640, 42.0860,  
19.2220

 54.0240, 17.7880,  
8.0280

 58.9310, 13.6160,  
6.5440

 64.3110, 9.4900,  
4.2260

■ 69.8050, 5.0430,  
2.2190

■ 74.5980, 1.1920,  
0.4240

■ 80.0920, -3.2550,  
-1.5830

■ 84.9990, -7.4270,  
-3.0670

# Harmonies

## Analogous

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



39.6260, 22.3250, 19.4210



38.2430, 30.5330, 13.8370



38.1640, 31.7730, 2.3730

# Triad

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



38.2430, 30.5330, 13.8370



32.2460, -10.2210, -18.5170



35.5350, -38.0550, 1.3450

# Complementary

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



38.2430, 30.5330, 13.8370



58.7570, -30.5330, -13.8370

# 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.



36.2700, -35.9910, -3.0230



38.2430, 30.5330, 13.8370



32.5250, -24.0680, -15.3640

# Square

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



38.2430, 30.5330, 13.8370



36.9020, 11.4190, -14.2210



35.3920, -30.7630, -9.6670



38.9720, -19.9920, 9.8960



# Rectangle

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



38.2430, 30.5330, 13.8370



38.4960, 27.6020, -4.6380



35.3920, -30.7630, -9.6670



35.8940, -37.6880, 0.2000

# Sweetspot

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



38.2430, 30.5330, 13.8370



84.5070, 11.8740, 5.0740



41.6220, 10.9530, 27.2810



42.0010, 7.4270, 3.0670



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



38.2430, 30.5330, 13.8370



39.9680, 47.7250, 21.6530



49.1850, 27.2800, 1.2000



35.3100, 2.0630, 1.1590



31.9800, 56.6190, 25.6670



72.0760, 127.7710, 57.7790



# Inverse Universe

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



38.2430, 30.5330, 13.8370



39.9680, 47.7250, 21.6530



47.8150, -27.2800, -1.2000



35.3100, 2.0630, 1.1590



31.9800, 56.6190, 25.6670

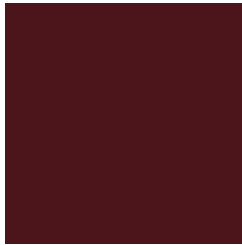


72.0760, 127.7710, 57.7790



# Previews

## White Background



This preview shows how the YIQ color 38.2430, 30.5330, 13.8370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

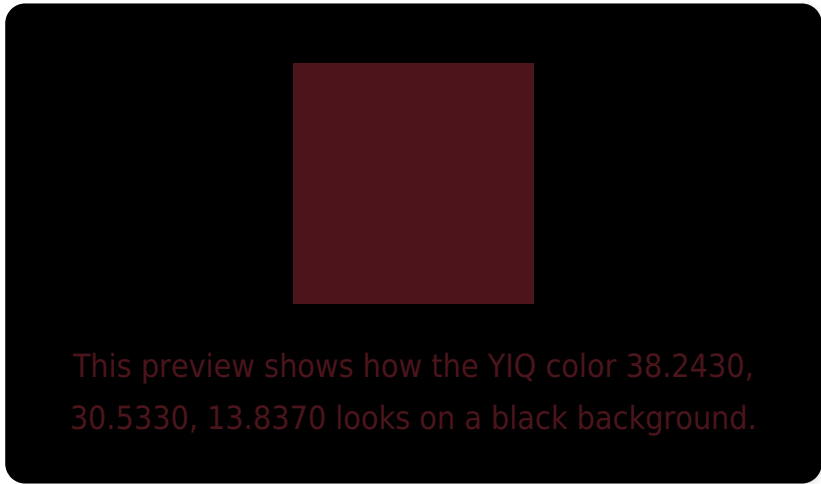
Any Text WCAG AA ✓ Pass

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

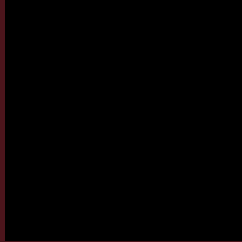
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 38.2430, 30.5330, 13.8370**

## **Background**



This preview shows how black text looks on a background with the YIQ color 38.2430, 30.5330, 13.8370.



This preview shows how white text looks on a background with the YIQ color 38.2430, 30.5330,



# 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

38.2430, 30.5330, 13.8370

### Protanopia

42.0280, 2.7970, -1.1310

### Deuteranopia

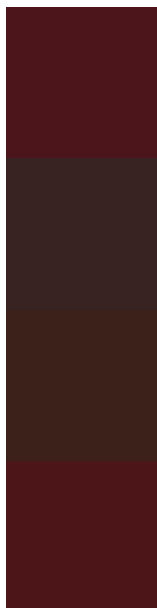
41.5790, 11.3710, -2.3330



## Tritanopia

38.2600, 31.8630, 11.7590

# Trichromacy



## Original Color

38.2430, 30.5330, 13.8370

## Protanomaly

40.5780, 13.1120, 4.6640

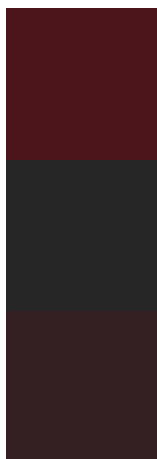
## Deuteranomaly

40.2750, 18.3390, 3.5470

## Tritanomaly

38.4880, 31.2210, 12.3810

# Monochromacy



## Original Color

38.2430, 30.5330, 13.8370

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

38.2080, 11.2780, 4.8620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.2430, 30.5330, 13.8370 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(76, 21, 28)` looks like.

```
.text, #text, p{  
    color:rgb(76, 21, 28)  
}
```

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(76, 21, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 21, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 38.2430, 30.5330, 13.8370 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".

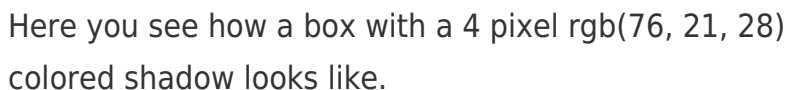
```
.border, #border, table{ border:4px solid rgb(76, 21, 28) }
```



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

```
.border{ border-color:rgb(76, 21, 28) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 21, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 21, 28); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 21, 28); box-shadow:4px 4px 4px 4px rgb(76, 21, 28) }
```

# Background

The CSS property to change the background color of an element to YIQ 38.2430, 30.5330, 13.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 21, 28) }
```

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

```
.background{ background-color: rgb(76, 21,  
28) }
```

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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