

# Converting Colors

YIQ(51.1850, 28.4210, 30.0930)

Have a look what the booklet for  
YIQ(51.1850, 28.4210, 30.0930)  
contains.

<b>YIQ(51.1850, 28.4210, 30.0930)</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(51.1850, 28.4210,  
30.0930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	611847
RGB	97, 24, 71
RGB Percent	38%, 9%, 28%
CMY	0.6194, 0.9060, 0.7215
CMYK	0.00, 0.75, 0.27, 0.62
HSL	321°, 60%, 24%
HSV	321°, 75%, 38%
XYZ	6.3992, 3.6514, 6.3320
YIQ	51.1850, 28.4210, 30.0930

# Conversions

## Conversions Part 2

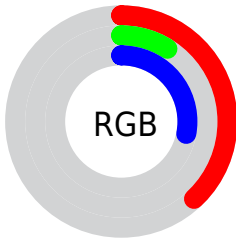
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	97, 24, 71
Decimal	6363207
CIE Lab	22.48, 37.53, -11.13
CIE LCh	22, 39.146, 343.474
Yxy	3.6514, 0.3906, 0.2229
Android (android.graphics.Color)	4284553287 (0xFF611847)
YUV	51.1850, 9.7688, 40.1798
Hunter-Lab	19.1087, 26.3370, -6.2708

# Details

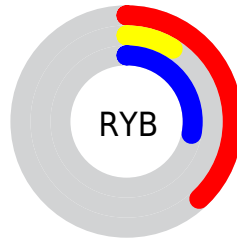
The YIQ color **51.1850, 28.4210, 30.0930** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **69.8150, -28.4210, -30.0930**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.8540, 30.8510, 30.1070**, and **17.5440, 19.6200, 18.8840** is the 20% darker color. If you saturate the color by 10%, you get **44.9730, 32.1340, 34.3900**, and if you desaturate by 10%, it is **57.3970, 24.7080, 25.7960**.

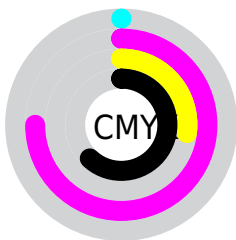
# Distribution



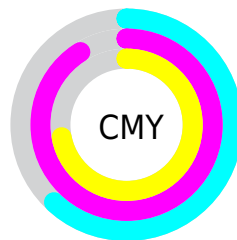
- Red (38%)
- Green (9%)
- Blue (28%)



- Red (38%)
- Yellow (9%)
- Blue (28%)



- Cyan (0%)
- Magenta (75%)
- Yellow (27%)
- Black (62%)



- Cyan (62%)
- Magenta (91%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 51.1850, 28.4210, 30.0930 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 51.1850, 28.4210, 30.0930 by changing the saturation by 10% instead.



■ 51.1850, 28.4210,  
30.0930

■ 51.1850, 28.4210,  
30.0930

■ 255.0000, -0.0000,  
-0.0000

■ 27.1140, 27.1830,  
30.5030

■ 101.8540, 30.8510,  
30.1070

■ 17.5440, 19.6200,  
18.8840

■ 128.4520, 32.0430,  
30.5310

■ 3.8870, 7.7480,  
2.7560

■ 155.1640, 32.9140,  
31.2660

■ 0.0000, 0.0000,  
0.0000


■ 182.1750, 34.3810,  
32.2130


■ 207.7830, 29.6130,  
30.5170


■ 227.4110, 12.9250,


24.5810


 243.8470, 5.2250,  
9.9370


 51.1850, 28.4210,  
30.0930


 51.1850, 28.4210,  
30.0930


 44.9730, 32.1340,  
34.3900


 57.3970, 24.7080,  
25.7960


 39.2340, 35.8930,  
37.8530

 63.1360, 20.9490,  
22.3330

 36.0710, 37.9100,  
39.8460

 69.3480, 17.2360,  
18.0360

 75.6740, 13.2020,  
14.0500

 81.2990, 9.7640,  
10.2760

■ 87.6250, 5.7300,  
6.2900

■ 93.8370, 2.0170,  
1.9930

■ 100.1630, -2.0170,  
-1.9930

■ 105.7880, -5.4550,  
-5.7670

# Harmonies

## Analogous

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



55.0660, 0.7750, 24.5110



51.1850, 28.4210, 30.0930



47.9230, 43.5980, 24.8620

# Triad

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



51.1850, 28.4210, 30.0930



49.3170, 17.3800, -17.6280



49.3440, -48.0030, -5.5950

# Complementary

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



51.1850, 28.4210, 30.0930



69.8150, -28.4210, -30.0930

# 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.



46.8530, -39.6110, -14.5150



51.1850, 28.4210, 30.0930



43.1180, -7.2850, -27.6770

# Square

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



51.1850, 28.4210, 30.0930



50.9220, 35.0300, -7.0980



42.8460, -29.7060, -23.3220



48.9340, -52.3600, 1.7840



# Rectangle

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



51.1850, 28.4210, 30.0930



49.2570, 45.1130, 13.9210



42.8460, -29.7060, -23.3220



48.4320, -45.4350, -8.0830

# Sweetspot

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



51.1850, 28.4210, 30.0930



106.8370, 11.1850, 12.0570



40.0960, -7.9370, 28.2150



52.6360, 7.1970, 7.2370



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



51.1850, 28.4210, 30.0930



54.1090, 43.9150, 46.6590



47.0810, 39.9770, 18.8970



45.5380, 1.4210, 1.7810



41.6960, 43.6400, 46.1360



89.3160, 93.6060, 98.7740



# Inverse Universe

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



51.1850, 28.4210, 30.0930



54.1090, 43.9150, 46.6590



73.9190, -39.9770, -18.8970



45.5380, 1.4210, 1.7810



41.6960, 43.6400, 46.1360

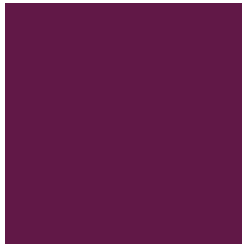


89.3160, 93.6060, 98.7740



# Previews

## White Background



This preview shows how the YIQ color 51.1850, 28.4210, 30.0930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

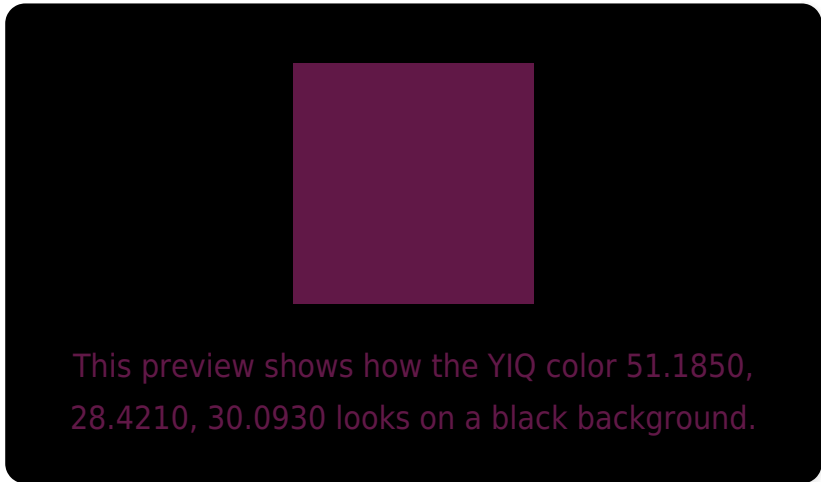
Any Text WCAG AA ✓ Pass

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

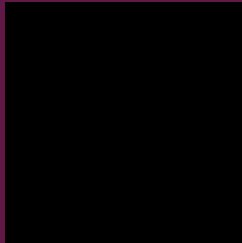
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 51.1850, 28.4210, 30.0930**

## **Background**



This preview shows how black text looks on a background with the YIQ color 51.1850, 28.4210, 30.0930.



This preview shows how white text looks on a background with the YIQ color 51.1850, 28.4210,



# 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

51.1850, 28.4210, 30.0930

### Protanopia

54.0750, -21.7800, 9.2600

### Deuteranopia

55.7810, -3.5770, 4.2550



## Tritanopia

52.8690, 34.5220, 13.1300

# Trichromacy



## Original Color

51.1850, 28.4210, 30.0930

## Protanomaly

52.9850, -3.6710, 16.9770

## Deuteranomaly

53.9230, 8.0670, 13.4990

## Tritanomaly

52.1880, 32.3660, 19.1660

# Monochromacy



## Original Color

51.1850, 28.4210, 30.0930

## Achromatopsia

51.0000, -0.0000, -0.0000

## Achromatomaly

51.0110, 10.6350, 11.0110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 51.1850, 28.4210, 30.0930 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(97, 24, 71)` looks like.

```
.text, #text, p{  
    color:rgb(97, 24, 71)  
}
```

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(97, 24, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 24, 71) }
```

## Border

The CSS property to change the border of an element to YIQ 51.1850, 28.4210, 30.0930 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(97, 24, 71) }
```



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

```
.border{ border-color:rgb(97, 24, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 24, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 24, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 24, 71);  
box-shadow:4px 4px 4px 4px rgb(97, 24, 71)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 51.1850, 28.4210, 30.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 24, 71) }
```

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

```
.background{ background-color: rgb(97, 24,  
71) }
```

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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