

# Converting Colors

YIQ(50.5710, 33.3260, 34.8140)

Have a look what the booklet for  
YIQ(50.5710, 33.3260, 34.8140)  
contains.

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# Color

**YIQ(50.5710, 33.3260,  
34.8140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	681349
RGB	104, 19, 73
RGB Percent	41%, 7%, 29%
CMY	0.5919, 0.9256, 0.7136
CMYK	0.00, 0.82, 0.30, 0.59
HSL	322°, 69%, 24%
HSV	322°, 82%, 41%
XYZ	7.1515, 3.8925, 6.6817
YIQ	50.5710, 33.3260, 34.8140

# Conversions

## Conversions Part 2

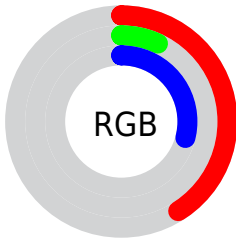
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 19, 73
Decimal	6820681
CIE <sub>Lab</sub>	23.31, 41.63, -11.11
CIE <sub>LCh</sub>	23, 43.088, 345.063
Yxy	3.8925, 0.4035, 0.2196
Android (android.graphics.Color)	4285010761 (0xFF681349)
YUV	50.5710, 11.0575, 46.8572
Hunter-Lab	19.7295, 30.1758, -6.2689




# Details

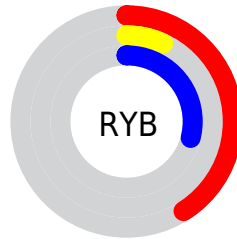
The YIQ color **50.5710, 33.3260, 34.8140** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **72.4290, -33.3260, -34.8140**, and the grayscale version is **50.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **103.4140, 35.2060, 33.7820**, and **19.5660, 22.5540, 20.7780** is the 20% darker color. If you saturate the color by 10%, you get **44.2450, 37.3600, 38.8000**, and if you desaturate by 10%, it is **56.8970, 29.2920, 30.8280**.

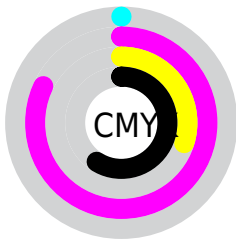
# Distribution







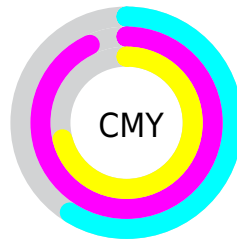
-  Red (41%)
-  Green (7%)
-  Blue (29%)






-  Red (41%)
-  Yellow (7%)
-  Blue (29%)



-  Cyan (0%)
-  Magenta (82%)
-  Yellow (30%)
-  Black (59%)



-  Cyan (59%)
-  Magenta (93%)
-  Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 50.5710, 33.3260, 34.8140 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 50.5710, 33.3260, 34.8140 by changing the saturation by 10% instead.



50.5710, 33.3260,  
34.8140

50.5710, 33.3260,  
34.8140

255.0000, -0.0000,  
-0.0000

29.0220, 30.4380,  
32.0860

103.4140, 35.2060,  
33.7820

19.5660, 22.5540,  
20.7780

129.8980, 36.7190,  
33.8950

7.8880, 15.1750,  
5.8230

156.9090, 38.1860,  
34.8420

0.0000, 0.0000,  
0.0000


184.5070, 39.3780,  
35.2660


206.9510, 29.2000,  
32.4960


226.8240, 13.2000,


25.1040


 243.2600, 5.5000,  
10.4600


 50.5710, 33.3260,  
34.8140


 50.5710, 33.3260,  
34.8140


 44.2450, 37.3600,  
38.8000


 56.8970, 29.2920,  
30.8280

 38.6200, 40.7980,  
42.5740

 63.8100, 24.9830,  
26.3190

 70.0220, 21.2700,  
22.0220

 76.9350, 16.9610,  
17.5130

 83.2610, 12.9270,  
13.5270

■ 89.5870, 8.8930,  
9.5410

■ 96.5000, 4.5840,  
5.0320

■ 102.7120, 0.8710,  
0.7350

■ 109.6250, -3.4380,  
-3.7740

# Harmonies

## Analogous

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



56.6580, 2.1040, 27.9600



50.5710, 33.3260, 34.8140



46.6680, 48.8700, 28.4380

# Triad

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



50.5710, 33.3260, 34.8140



51.0780, 16.5550, -19.1970



51.4300, -51.1210, -4.1530

# Complementary

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



50.5710, 33.3260, 34.8140



72.4290, -33.3260, -34.8140

# 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.



49.1840, -42.0410, -14.5290



50.5710, 33.3260, 34.8140



40.9600, -12.8320, -31.7760

# Square

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



50.5710, 33.3260, 34.8140



52.6940, 35.6720, -7.7200



44.8350, -31.1730, -24.2690



51.0200, -55.4780, 3.2260



# Rectangle

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



50.5710, 33.3260, 34.8140



49.5350, 50.2020, 15.3060



44.8350, -31.1730, -24.2690



50.9910, -48.5070, -7.4750

# Sweetspot

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



50.5710, 33.3260, 34.8140



113.6740, 13.2020, 14.0500



37.6600, -9.4050, 32.7950



55.7610, 8.3430, 8.4950



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



50.5710, 33.3260, 34.8140



52.0440, 51.7080, 54.1080



45.8970, 46.4870, 22.0630



47.8370, 2.0170, 1.9930



42.7070, 45.1070, 47.0830



89.9140, 94.7980, 99.1980



# Inverse Universe

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



50.5710, 33.3260, 34.8140



52.0440, 51.7080, 54.1080



77.1030, -46.4870, -22.0630



47.8370, 2.0170, 1.9930



42.7070, 45.1070, 47.0830

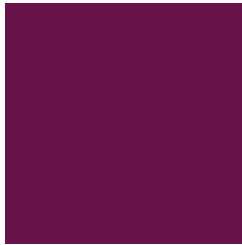


89.9140, 94.7980, 99.1980



# Previews

## White Background



This preview shows how the YIQ color 50.5710, 33.3260, 34.8140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

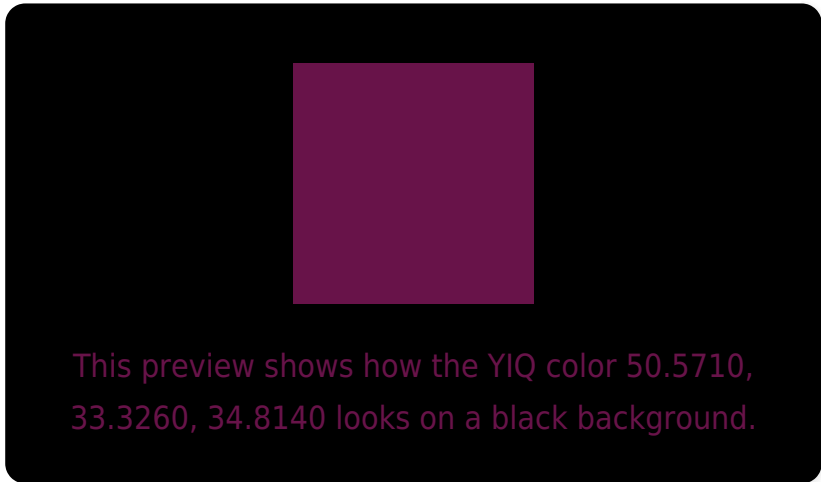
Any Text WCAG AA ✓ Pass

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

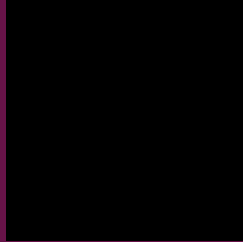
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 50.5710, 33.3260, 34.8140

## Background



This preview shows how black text looks on a background with the YIQ color 50.5710, 33.3260, 34.8140.



This preview shows how white text looks on a background with the YIQ color 50.5710, 33.3260,



# 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

50.5710, 33.3260, 34.8140

### Protanopia

55.6340, -24.8520, 9.8680

### Deuteranopia

58.0800, -2.9810, 4.4670



## Tritanopia

53.5600, 39.8860, 15.0380

# Trichromacy



## Original Color

50.5710, 33.3260, 34.8140

## Protanomaly

54.0390, -3.7630, 18.6450

## Deuteranomaly

55.6460, 10.4050, 15.1810

## Tritanomaly

52.5200, 37.3630, 22.2190

# Monochromacy



## Original Color

50.5710, 33.3260, 34.8140

## Achromatopsia

51.0000, -0.0000, -0.0000

## Achromatomaly

50.5490, 12.0560, 12.7920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 50.5710, 33.3260, 34.8140 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(104, 19, 73)` looks like.

```
.text, #text, p{  
    color:rgb(104, 19, 73)  
}
```

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(104, 19, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 19, 73) }
```

## Border

The CSS property to change the border of an element to YIQ 50.5710, 33.3260, 34.8140 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(104, 19, 73) }
```



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

```
.border{ border-color:rgb(104, 19, 73) }
```

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

Here you see how a box with a 4 pixel rgb(104, 19, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 19, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 19, 73);  
box-shadow:4px 4px 4px 4px rgb(104, 19,  
73) }
```

# Background

The CSS property to change the background color of an element to YIQ 50.5710, 33.3260, 34.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 19, 73) }
```

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

```
.background{ background-color: rgb(104, 19,  
73) }
```

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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