

# Converting Colors

YIQ(55.8390, 18.0120, 37.0200)

Have a look what the booklet for  
YIQ(55.8390, 18.0120, 37.0200)  
contains.

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# Color

**YIQ(55.8390, 18.0120,  
37.0200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	601B63
RGB	96, 27, 99
RGB Percent	38%, 11%, 39%
CMY	0.6233, 0.8942, 0.6117
CMYK	0.03, 0.73, 0.00, 0.61
HSL	298°, 57%, 25%
HSV	298°, 73%, 39%
XYZ	7.4731, 4.1732, 12.2170
YIQ	55.8390, 18.0120, 37.0200

# Conversions

## Conversions Part 2

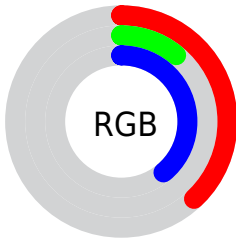
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 27, 99
Decimal	6298467
CIELab	24.24, 40.77, -27.09
CIELCh	24, 48.952, 326.397
Yxy	4.1732, 0.3132, 0.1749
Android (android.graphics.Color)	4284488547 (0xFF601B63)
YUV	55.8390, 21.2784, 35.2212
Hunter-Lab	20.4283, 29.5492, -21.1581

# Details

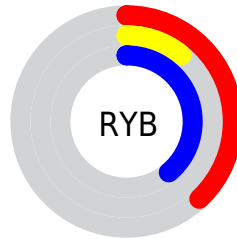
The YIQ color **55.8390, 18.0120, 37.0200** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **70.1610, -18.0120, -37.0200**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **107.4370, 19.2040, 37.4440**, and **19.9810, 11.3200, 26.1360** is the 20% darker color. If you saturate the color by 10%, you get **49.9690, 20.7620, 42.2500**, and if you desaturate by 10%, it is **61.7090, 15.2620, 31.7900**.

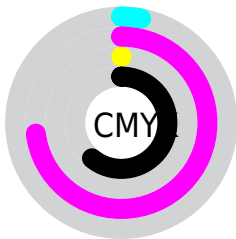
# Distribution



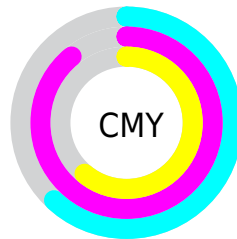
- Red (38%)
- Green (11%)
- Blue (39%)



- Red (38%)
- Yellow (11%)
- Blue (39%)



- Cyan (3%)
- Magenta (73%)
- Yellow (0%)
- Black (61%)



- Cyan (62%)
- Magenta (89%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.8390, 18.0120, 37.0200 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 55.8390, 18.0120, 37.0200 by changing the saturation by 10% instead.



■ 55.8390, 18.0120,  
37.0200

■ 55.8390, 18.0120,  
37.0200

■ 255.0000, -0.0000,  
-0.0000

■ 29.7790, 18.2410,  
38.3770

■ 107.4370, 19.2040,  
37.4440

■ 19.9810, 11.3200,  
26.1360

■ 133.2630, 19.7540,  
38.4900

■ 9.1010, 1.6940,  
13.3580

■ 160.3880, 20.9000,  
39.7480


■ 0.0000, 0.0000,  
0.0000


■ 187.8010, 21.1750,  
40.2710


■ 213.3230, 19.5250,  
37.1330


■ 229.7590, 11.8250,


22.4890


 246.1950, 4.1250,  
7.8450


 55.8390, 18.0120,  
37.0200


 55.8390, 18.0120,  
37.0200


 49.9690, 20.7620,  
42.2500


 61.7090, 15.2620,  
31.7900


 43.8000, 22.9160,  
47.2680

 67.8780, 13.1080,  
26.7720

 39.6910, 24.8410,  
50.9290

 73.7480, 10.3580,  
21.5420

 79.9170, 8.2040,  
16.5240

 85.2000, 5.7290,  
11.8170

■ 91.0700, 2.9790,  
6.5870

■ 97.2390, 0.8250,  
1.5690

■ 103.1090, -1.9250,  
-3.6610

■ 109.2780, -4.0790,  
-8.6790

# Harmonies

## Analogous

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



55.2610, -30.6310, 20.9930



55.8390, 18.0120, 37.0200



42.5780, 49.7840, 44.9200

# Triad

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



55.8390, 18.0120, 37.0200



55.0090, 30.1710, -12.6530



53.1110, -48.9650, -10.1890

# Complementary

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



55.8390, 18.0120, 37.0200



70.1610, -18.0120, -37.0200

# 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.



48.1920, -36.4920, -21.4840



55.8390, 18.0120, 37.0200



50.4140, 6.5610, -25.3030

# Square

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



55.8390, 18.0120, 37.0200



52.2170, 50.6170, 2.2730



42.3440, -22.7810, -33.1890



55.2430, -57.7240, -0.1240



# Rectangle

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



55.8390, 18.0120, 37.0200



40.9130, 58.7260, 37.0460



42.3440, -22.7810, -33.1890



51.6290, -44.7920, -14.2320

# Sweetspot

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



55.8390, 18.0120, 37.0200



110.3790, 6.7830, 14.7430



37.5560, -24.2120, 20.3000



53.7220, 4.0790, 8.6790



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.



55.8390, 18.0120, 37.0200



61.3480, 27.5450, 56.9930



53.0880, 30.0720, 27.7040



45.6520, 1.1000, 2.0920



45.0600, 28.4160, 57.7280



96.1300, 60.0400, 123.4000



# Inverse Universe

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



48.8700, 41.9490, 16.1970



50.6450, 64.8720, 24.7760



72.9120, -30.0720, -27.7040



45.1960, 2.3840, 0.8480



34.0580, 65.1470, 25.2990



72.9000, 139.8300, 53.9900



# Previews

## White Background



This preview shows how the YIQ color 55.8390, 18.0120, 37.0200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

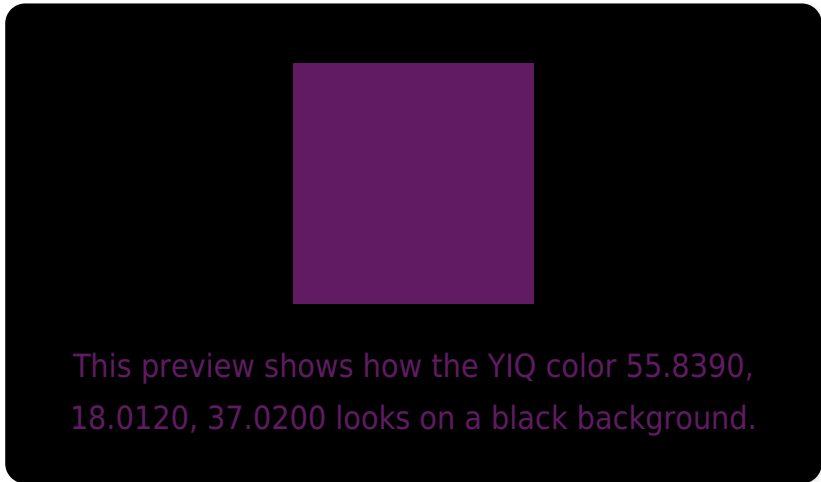
Any Text WCAG AA ✓ Pass

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

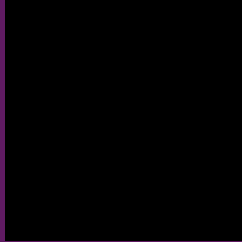
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 55.8390, 18.0120, 37.0200**

## **Background**



This preview shows how black text looks on a background with the YIQ color 55.8390, 18.0120, 37.0200.



This preview shows how white text looks on a background with the YIQ color 55.8390, 18.0120,



# 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

55.8390, 18.0120, 37.0200

### Protanopia

47.2530, -54.5160, 7.8200

### Deuteranopia

57.0100, -23.1550, 6.6450



## Tritanopia

58.7970, 25.8570, 10.4730

# Trichromacy



## Original Color

55.8390, 18.0120, 37.0200

## Protanomaly

50.3490, -28.0630, 18.5050

## Deuteranomaly

56.4730, -7.9810, 17.9950

## Tritanomaly

57.4520, 22.8750, 20.4670

# Monochromacy



## Original Color

55.8390, 18.0120, 37.0200

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

55.8520, 6.8290, 13.9090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.8390, 18.0120, 37.0200 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(96, 27, 99)` looks like.

```
.text, #text, p{  
    color:rgb(96, 27, 99)  
}
```

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(96, 27, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 27, 99) }
```

## Border

The CSS property to change the border of an element to YIQ 55.8390, 18.0120, 37.0200 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(96, 27, 99) }
```



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

```
.border{ border-color:rgb(96, 27, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 27, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 27, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 27, 99);  
box-shadow:4px 4px 4px 4px rgb(96, 27, 99)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 55.8390, 18.0120, 37.0200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 27, 99) }
```

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

```
.background{ background-color: rgb(96, 27,  
99) }
```

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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