

# Converting Colors

YIQ(63.8490, 64.7780, 37.4980)

Have a look what the booklet for  
YIQ(63.8490, 64.7780, 37.4980)  
contains.

<b>YIQ(63.8490, 64.7780, 37.4980)</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(63.8490, 64.7780,  
37.4980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	951638
RGB	149, 22, 56
RGB Percent	58%, 9%, 22%
CMY	0.4154, 0.9139, 0.7802
CMYK	0.00, 0.85, 0.62, 0.42
HSL	344°, 74%, 34%
HSV	344°, 85%, 58%
XYZ	13.4106, 7.2552, 4.4425
YIQ	63.8490, 64.7780, 37.4980

# Conversions

## Conversions Part 2

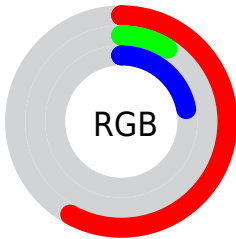
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 22, 56
Decimal	9770552
CIE Lab	32.38, 51.76, 14.56
CIE LCh	32, 53.771, 15.714
Yxy	7.2552, 0.5341, 0.2890
Android (android.graphics.Color)	4287960632 (0xFF951638)
YUV	63.8490, -3.8696, 74.6774
Hunter-Lab	26.9355, 41.7343, 9.0761

# Details

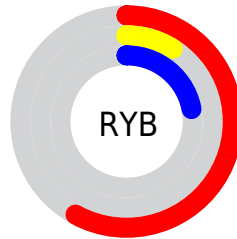
The YIQ color **63.8490, 64.7780, 37.4980** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **107.1510, -64.7780, -37.4980**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **122.3670, 68.9510, 33.4550**, and **28.8050, 49.7420, 23.6460** is the 20% darker color. If you saturate the color by 10%, you get **53.7900, 72.4340, 41.9220**, and if you desaturate by 10%, it is **73.9080, 57.1220, 33.0740**.

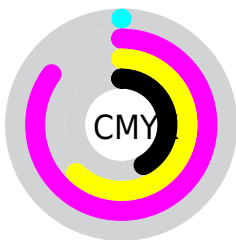
# Distribution



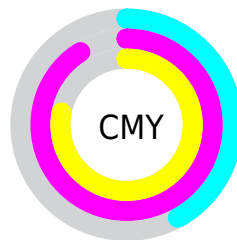
- Red (58%)
- Green (9%)
- Blue (22%)



- Red (58%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (85%)
- Yellow (62%)
- Black (42%)



- Cyan (42%)
- Magenta (91%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 63.8490, 64.7780, 37.4980 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 63.8490, 64.7780, 37.4980 by changing the saturation by 10% instead.



■ 63.8490, 64.7780,  
37.4980

■ 63.8490, 64.7780,  
37.4980

255.0000, -0.0000,  
-0.0000

■ 39.8700, 60.2850,  
36.3250

■ 122.3670, 68.9510,  
33.4550

■ 28.8050, 49.7420,  
23.6460

■ 150.0360, 71.3810,  
33.4690

■ 19.2500, 37.8230,  
13.8790

■ 173.5190, 65.4670,  
30.5150

■ 9.9810, 19.3470,  
7.3070

■ 193.0330, 49.1000,  
24.2680

■ 0.0000, 0.0000,  
0.0000

■ 212.6610, 32.4120,  
18.3320

■ 232.8760, 15.4490,

11.8730

252.0650, 1.3750,  
2.6150

63.8490, 64.7780,  
37.4980

63.8490, 64.7780,  
37.4980

53.7900, 72.4340,  
41.9220

73.9080, 57.1220,  
33.0740

49.1110, 75.9640,  
44.0280

83.9670, 49.4660,  
28.6500

94.0260, 41.8100,  
24.2260

104.0850, 34.1540,  
19.8020

113.5570, 26.7730,  
15.9010

■ 123.6160, 19.1170,  
11.4770

■ 133.5610, 11.7820,  
6.7420

■ 143.6200, 4.1260,  
2.3180

■ 153.6790, -3.5300,  
-2.1060

# Harmonies

## Analogous

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



68.8810, 44.5570, 46.0370



63.8490, 64.7780, 37.4980



69.5610, 64.5080, 9.3400

# Triad

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



63.8490, 64.7780, 37.4980



55.6890, -19.7990, -43.1830



69.1950, -74.9640, 3.9480

# Complementary

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



63.8490, 64.7780, 37.4980



107.1510, -64.7780, -37.4980

# 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.



70.0950, -69.2310, -6.3430



63.8490, 64.7780, 37.4980



60.7470, -42.9090, -31.8450

# Square

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



63.8490, 64.7780, 37.4980



69.3740, 21.2330, -26.8870



66.3500, -57.3080, -18.6840



61.5640, -71.3890, 10.7470



# Rectangle

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



63.8490, 64.7780, 37.4980



71.1000, 55.0200, -5.9400



66.3500, -57.3080, -18.6840



70.3860, -74.1840, 0.8240

# Sweetspot

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



63.8490, 64.7780, 37.4980



159.8450, 25.9020, 15.1660



63.6870, 13.4690, 58.7890



76.8820, 15.3120, 8.8480



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



63.8490, 64.7780, 37.4980



63.9340, 98.9320, 57.3000



76.4090, 67.9920, 12.2800



69.3210, 3.5300, 2.1060



45.4800, 70.3710, 40.7630



3.3320, 4.9970, 3.0530



# Inverse Universe

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



63.8490, 64.7780, 37.4980



63.9340, 98.9320, 57.3000



95.1780, -68.2670, -12.8030



69.3210, 3.5300, 2.1060



45.4800, 70.3710, 40.7630

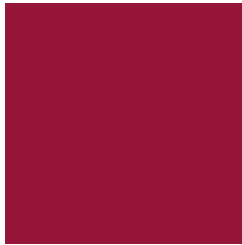


3.3320, 4.9970, 3.0530



# Previews

## White Background



This preview shows how the YIQ color 63.8490, 64.7780, 37.4980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

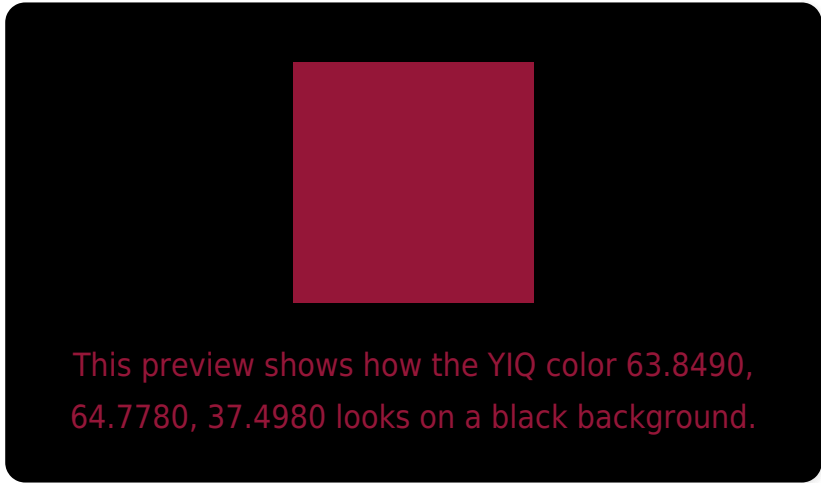
Any Text WCAG AA ✓ Pass

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

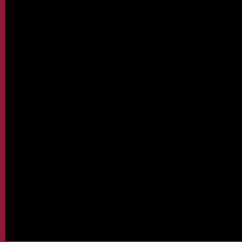
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 63.8490, 64.7780, 37.4980

## Background



This preview shows how black text looks on a background with the YIQ color 63.8490, 64.7780, 37.4980.



This preview shows how white text looks on a background with the YIQ color 63.8490, 64.7780,



# 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

63.8490, 64.7780, 37.4980

### Protanopia

78.4130, 0.2750, 0.5230

### Deuteranopia

77.8310, 19.3490, -3.7470



## Tritanopia

64.5810, 70.9240, 25.2280

# Trichromacy



## Original Color

63.8490, 64.7780, 37.4980

## Protanomaly

73.2360, 23.2430, 13.7950

## Deuteranomaly

72.8860, 35.8520, 11.0520

## Tritanomaly

63.9600, 68.5390, 29.9070

# Monochromacy



## Original Color

63.8490, 64.7780, 37.4980

## Achromatopsia

64.0000, -0.0000, -0.0000

## Achromatomaly

64.1220, 23.5640, 13.4840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 63.8490, 64.7780, 37.4980 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(149, 22, 56)` looks like.

```
.text, #text, p{  
    color:rgb(149, 22, 56)  
}
```

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(149, 22, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 22, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 63.8490, 64.7780, 37.4980 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(149, 22, 56) }
```



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

```
.border{ border-color:rgb(149, 22, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 22, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 22, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 22, 56);  
box-shadow:4px 4px 4px 4px rgb(149, 22,  
56) }
```

# Background

The CSS property to change the background color of an element to YIQ 63.8490, 64.7780, 37.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 22, 56) }
```

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

```
.background{ background-color: rgb(149, 22,  
56) }
```

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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