

# Converting Colors

YIQ(78.4890, 48.9570, 54.4050)

Have a look what the booklet for  
YIQ(78.4890, 48.9570, 54.4050)  
contains.

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# Color

**YIQ(78.4890, 48.9570,  
54.4050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F1E75
RGB	159, 30, 117
RGB Percent	62%, 12%, 46%
CMY	0.3761, 0.8825, 0.5410
CMYK	0.00, 0.81, 0.26, 0.38
HSL	320°, 68%, 37%
HSV	320°, 81%, 62%
XYZ	17.9920, 9.5913, 17.7426
YIQ	78.4890, 48.9570, 54.4050

# Conversions

## Conversions Part 2

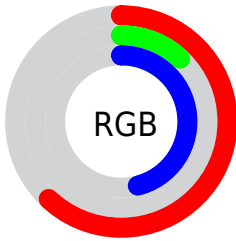
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 30, 117
Decimal	10428021
CIE <sub>Lab</sub>	37.10, 58.22, -17.69
CIE <sub>LCh</sub>	37, 60.845, 343.097
Yxy	9.5913, 0.3969, 0.2116
Android (android.graphics.Color)	4288618101 (0xFF9F1E75)
YUV	78.4890, 18.9859, 70.6081
Hunter-Lab	30.9698, 49.5033, -12.2884

# Details

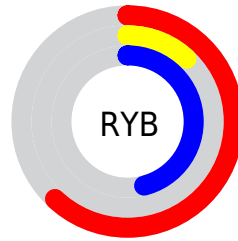
The YIQ color **78.4890, 48.9570, 54.4050** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **110.5110, -48.9570, -54.4050**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.9790, 50.3330, 51.4930**, and **38.6630, 39.2390, 43.2950** is the 20% darker color. If you saturate the color by 10%, you get **68.5270, 54.9620, 61.2180**, and if you desaturate by 10%, it is **88.4510, 42.9520, 47.5920**.

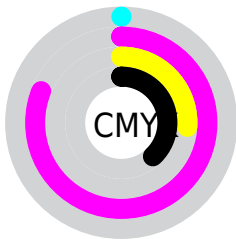
# Distribution



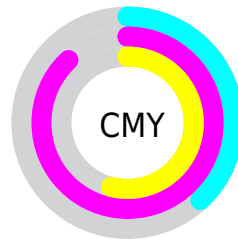
- Red (62%)
- Green (12%)
- Blue (46%)



- Red (62%)
- Yellow (12%)
- Blue (46%)



- Cyan (0%)
- Magenta (81%)
- Yellow (26%)
- Black (38%)




- Cyan (38%)
- Magenta (88%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.4890, 48.9570, 54.4050 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 78.4890, 48.9570, 54.4050 by changing the saturation by 10% instead.





 78.4890, 48.9570,  
54.4050


 78.4890, 48.9570,  
54.4050


255.0000, -0.0000,  
-0.0000


 49.6570, 48.5440,  
56.3840


 136.9790, 50.3330,  
51.4930

 38.6630, 39.2390,  
43.2950


 165.5770, 51.5250,  
51.9170


 27.9680, 30.5300,  
30.4180


 187.5970, 39.6050,  
47.6770

 18.0990, 22.3710,  
18.5870

 207.2250, 22.9170,  
41.7410

 2.0930, 4.1720,  
1.4840

 224.4760, 14.3000,  
27.1960

 0.0000, 0.0000,  
0.0000

 241.4990, 6.3250,

12.0290

■ 78.4890, 48.9570,  
54.4050

■ 78.4890, 48.9570,  
54.4050

■ 68.5270, 54.9620,  
61.2180

■ 88.4510, 42.9520,  
47.5920

■ 59.7390, 60.4170,  
66.9850

■ 98.4130, 36.9470,  
40.7790

■ 108.4890, 30.6210,  
34.2770

■ 118.4510, 24.6160,  
27.4640

■ 128.4130, 18.6110,  
20.6510

■ 137.7880, 12.8810,  
14.3610

■ 147.7500, 6.8760,  
7.5480

■ 157.7120, 0.8710,  
0.7350

■ 167.7880, -5.4550,  
-5.7670

# Harmonies

## Analogous

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



88.7200, -0.4660, 41.5020



78.4890, 48.9570, 54.4050



70.3330, 75.4590, 47.6750

# Triad

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



78.4890, 48.9570, 54.4050



80.0170, 26.5520, -29.6720



80.3650, -78.8590, -8.0670

# Complementary

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



78.4890, 48.9570, 54.4050



110.5110, -48.9570, -54.4050

# 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.



75.7080, -64.3680, -22.8960



78.4890, 48.9570, 54.4050



66.1530, -15.5340, -48.8940

# Square

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



78.4890, 48.9570, 54.4050



82.5960, 56.2590, -11.8770



68.7200, -47.4470, -37.7110



80.0350, -86.1970, 3.7790



# Rectangle

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



78.4890, 48.9570, 54.4050



76.1580, 76.6090, 26.8250



68.7200, -47.4470, -37.7110



79.3560, -74.6400, -12.9440

# Sweetspot

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



78.4890, 48.9570, 54.4050



175.7120, 19.2070, 20.8630



56.9650, -16.9730, 48.8110



85.6630, 11.7350, 13.1030



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



78.4890, 48.9570, 54.4050



81.4890, 76.4610, 84.5970



71.3070, 69.1800, 34.8120



73.9620, 3.1630, 3.2510



53.7010, 54.4120, 60.1720



5.6250, 5.7300, 6.2900



# Inverse Universe

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



78.4890, 48.9570, 54.4050



81.4890, 76.4610, 84.5970



117.6930, -69.1800, -34.8120



73.9620, 3.1630, 3.2510



53.7010, 54.4120, 60.1720



5.6250, 5.7300, 6.2900



# Previews

## White Background



This preview shows how the YIQ color 78.4890, 48.9570, 54.4050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

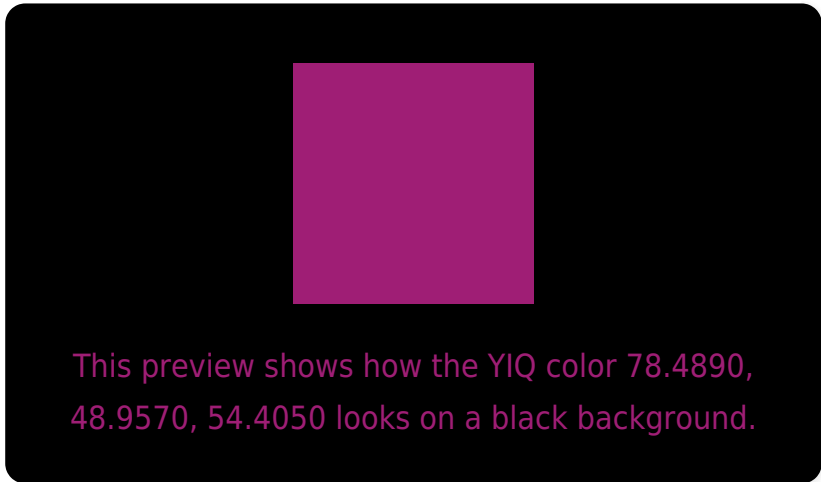
Any Text WCAG AA ✓ Pass

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

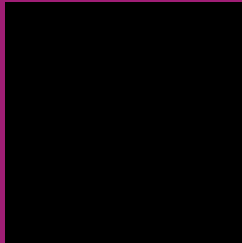
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 78.4890, 48.9570, 54.4050**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.4890, 48.9570, 54.4050.



This preview shows how white text looks on a background with the YIQ color 78.4890, 48.9570,



# 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

78.4890, 48.9570, 54.4050

### Protanopia

84.7540, -42.5050, 15.9190

### Deuteranopia

89.3230, -7.9790, 6.9410



## Tritanopia

82.8400, 59.8290, 22.5570

# Trichromacy



## Original Color

78.4890, 48.9570, 54.4050

## Protanomaly

82.6660, -9.5420, 29.7700

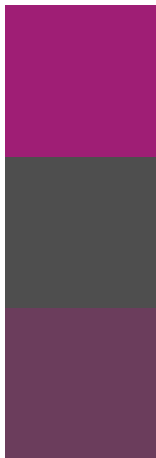
## Deuteranomaly

85.4110, 12.9250, 24.5810

## Tritanomaly

81.3640, 55.8380, 34.3180

# Monochromacy



## Original Color

78.4890, 48.9570, 54.4050

## Achromatopsia

78.0000, -0.0000, -0.0000

## Achromatomaly

78.2880, 17.4650, 19.3930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.4890, 48.9570, 54.4050 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(159, 30, 117)` looks like.

```
.text, #text, p{  
    color:rgb(159, 30, 117)  
}
```

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(159, 30, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 30, 117) }
```

## Border

The CSS property to change the border of an element to YIQ 78.4890, 48.9570, 54.4050 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(159, 30, 117) }
```



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

```
.border{ border-color:rgb(159, 30, 117) }
```

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

Here you see how a box with a 4 pixel rgb(159, 30, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 30, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 30, 117);  
box-shadow:4px 4px 4px 4px rgb(159, 30,  
117) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.4890, 48.9570, 54.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 30, 117) }
```

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

```
.background{ background-color: rgb(159, 30,  
117) }
```

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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