

# Converting Colors

YIQ(56.7750, 59.5950, 48.8350)

Have a look what the booklet for  
YIQ(56.7750, 59.5950, 48.8350)  
contains.

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# Color

**YIQ(56.7750, 59.5950,  
48.8350)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 90094A                    |
| RGB           | 144, 9, 74                |
| RGB Percent   | 56%, 4%, 29%              |
| CMY           | 0.4349, 0.9649, 0.7096    |
| CMYK          | 0.00, 0.94, 0.49, 0.43    |
| HSL           | 331°, 88%, 30%            |
| HSV           | 331°, 94%, 57%            |
| XYZ           | 12.8524, 6.6268, 7.0887   |
| YIQ           | 56.7750, 59.5950, 48.8350 |

# Conversions

## Conversions Part 2

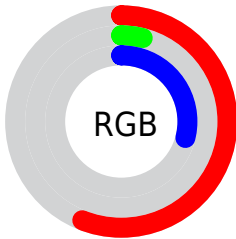
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 144, 9, 74                  |
| Decimal                             | 9439562                     |
| CIE Lab                             | 30.94, 54.30, 0.48          |
| CIE LCh                             | 31, 54.304, 0.503           |
| Yxy                                 | 6.6268, 0.4838,<br>0.2494   |
| Android<br>(android.graphics.Color) | 4287629642<br>(0xFF90094A)  |
| YUV                                 | 56.7750, 8.4919,<br>76.4963 |
| Hunter-Lab                          | 25.7426, 44.0697,<br>1.6933 |

# Details

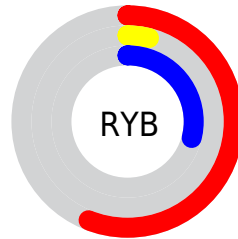
The YIQ color **56.7750, 59.5950, 48.8350** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **96.2250, -59.5950, -48.8350**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.9180, 60.3300, 41.0180**, and **29.5470, 41.9010, 28.0850** is the 20% darker color. If you saturate the color by 10%, you get **50.9220, 63.6750, 51.9870**, and if you desaturate by 10%, it is **65.9050, 53.1770, 44.0010**.

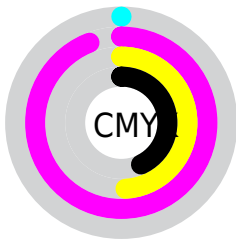
# Distribution



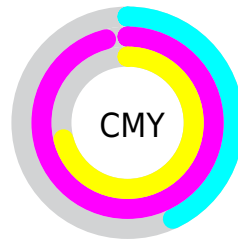
- Red (56%)
- Green (4%)
- Blue (29%)



- Red (56%)
- Yellow (4%)
- Blue (29%)



- Cyan (0%)
- Magenta (94%)
- Yellow (49%)
- Black (43%)




- Cyan (43%)
- Magenta (96%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 56.7750, 59.5950, 48.8350 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 56.7750, 59.5950, 48.8350 by changing the saturation by 10% instead.





 56.7750, 59.5950,  
48.8350


 56.7750, 59.5950,  
48.8350


255.0000, -0.0000,  
-0.0000


 40.6120, 52.4440,  
40.7640


 119.2170, 60.9260,  
41.2300


 29.5470, 41.9010,  
28.0850

 147.0000, 63.0350,  
41.5550


 19.1080, 35.3470,  
14.6990

 173.0920, 59.7800,  
39.9720

 8.7850, 16.9630,  
6.4590


 192.6060, 43.4130,  
33.7250


 0.0000, 0.0000,  
0.0000


 212.2340, 26.7250,  
27.7890


 232.1070, 10.7250,


20.3970


 249.1300, 2.7500,  
5.2300


 56.7750, 59.5950,  
48.8350


 56.7750, 59.5950,  
48.8350


 50.9220, 63.6750,  
51.9870

 65.9050, 53.1770,  
44.0010

 75.5080, 46.8050,  
38.3330

 84.5240, 40.7080,  
33.1880

 94.2410, 34.0150,  
27.8310

 103.2570, 27.9180,  
22.6860

■ 112.3870, 21.5000,  
17.8520

■ 121.9900, 15.1280,  
12.1840

■ 131.1200, 8.7100,  
7.3500

■ 140.7230, 2.3380,  
1.6820

# Harmonies

## Analogous

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



70.4320, 26.7680, 43.5360



56.7750, 59.5950, 48.8350



62.0690, 66.6140, 26.2460

# Triad

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



56.7750, 59.5950, 48.8350



61.8880, 4.8660, -33.1340



67.8270, -71.1120, 0.2160

# Complementary

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



56.7750, 59.5950, 48.8350



96.2250, -59.5950, -48.8350

# 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.



66.5270, -61.9400, -11.8280



56.7750, 59.5950, 48.8350



54.7340, -32.8670, -37.6270

# Square

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



56.7750, 59.5950, 48.8350



68.2880, 33.5190, -18.2650



61.6250, -48.1370, -25.2010



63.9120, -72.4890, 8.6550



# Rectangle

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



56.7750, 59.5950, 48.8350



65.5130, 64.4630, 4.6470



61.6250, -48.1370, -25.2010



67.9750, -68.7730, -3.6290

# Sweetspot

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



56.7750, 59.5950, 48.8350



152.3980, 22.9670, 18.7990



45.3200, -1.6150, 56.8250



73.3920, 13.9360, 11.7600



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



56.7750, 59.5950, 48.8350



65.8740, 81.9660, 67.4220



50.5390, 79.9100, 27.5740



66.5490, 2.8880, 2.7280



47.7750, 59.5950, 48.8350



2.8480, 3.4840, 2.9400



# Inverse Universe

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



56.7750, 59.5950, 48.8350



65.8740, 81.9660, 67.4220



102.4610, -79.9100, -27.5740



66.5490, 2.8880, 2.7280



47.7750, 59.5950, 48.8350

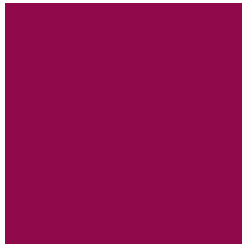


2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 56.7750, 59.5950, 48.8350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

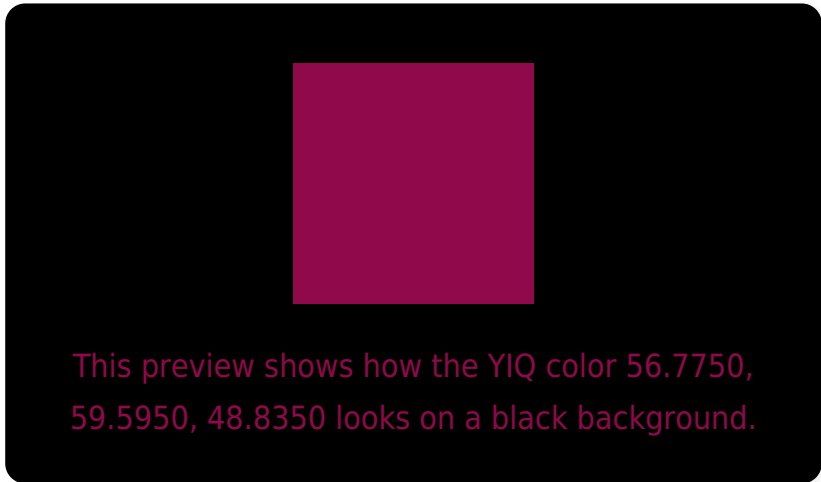
Any Text WCAG AA ✓ Pass

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

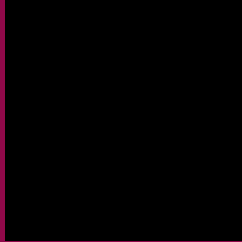
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 56.7750, 59.5950, 48.8350

## Background



This preview shows how black text looks on a background with the YIQ color 56.7750, 59.5950, 48.8350.



This preview shows how white text looks on a background with the YIQ color 56.7750, 59.5950,



# 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

56.7750, 59.5950, 48.8350

### Protanopia

74.9570, -15.6360, 8.0440

### Deuteranopia

76.0180, 8.7570, 0.9890



## Tritanopia

63.4880, 66.7520, 23.7440

# Trichromacy



## Original Color

56.7750, 59.5950, 48.8350

## Protanomaly

68.1720, 12.1000, 23.0120

## Deuteranomaly

69.0240, 26.9560, 18.0920

## Tritanomaly

60.9150, 64.4120, 33.1160

# Monochromacy



## Original Color

56.7750, 59.5950, 48.8350

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.2730, 21.8210, 17.5410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 56.7750, 59.5950, 48.8350 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(144, 9, 74)` looks like.

```
.text, #text, p{  
    color:rgb(144, 9, 74)  
}
```

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(144, 9, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 9, 74) }
```

## Border

The CSS property to change the border of an element to YIQ 56.7750, 59.5950, 48.8350 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(144, 9, 74) }
```



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

```
.border{ border-color:rgb(144, 9, 74) }
```

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

Here you see how a box with a 4 pixel rgb(144, 9, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 9, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 9, 74);  
box-shadow:4px 4px 4px 4px rgb(144, 9, 74)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 56.7750, 59.5950, 48.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 9, 74) }
```

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

```
.background{ background-color: rgb(144, 9,  
74) }
```

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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