

# Converting Colors

YIQ(59.9640, 54.6890, 49.6410)

Have a look what the booklet for  
YIQ(59.9640, 54.6890, 49.6410)  
contains.

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# Color

**YIQ(59.9640, 54.6890,  
49.6410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F0D54
RGB	143, 13, 84
RGB Percent	56%, 5%, 33%
CMY	0.4389, 0.9492, 0.6704
CMYK	0.00, 0.91, 0.41, 0.44
HSL	327°, 83%, 31%
HSV	327°, 91%, 56%
XYZ	13.0884, 6.7749, 9.0138
YIQ	59.9640, 54.6890, 49.6410

# Conversions

## Conversions Part 2

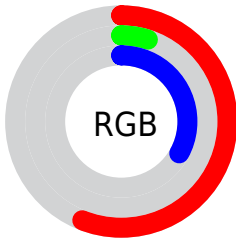
Format	Color
<a href="#">RYB</a>	<a href="#">143, 13, 84</a>
Decimal	<a href="#">9375060</a>
CIELab	<a href="#">31.29, 54.37, -5.63</a>
CIElCh	<a href="#">31, 54.658, 354.084</a>
Yxy	<a href="#">6.7749, 0.4532, 0.2346</a>
Android (android.graphics.Color)	<a href="#">4287565140 (0xFF8F0D54)</a>
YUV	<a href="#">59.9640, 11.8497, 72.8226</a>
Hunter-Lab	<a href="#">26.0286, 44.2080, -2.3124</a>

# Details

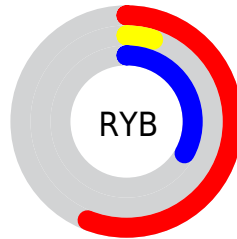
The YIQ color **59.9640, 54.6890, 49.6410** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **96.0360, -54.6890, -49.6410**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.0470, 55.6530, 43.1810**, and **30.4590, 39.3330, 30.5730** is the 20% darker color. If you saturate the color by 10%, you get **51.6490, 60.1900, 54.5740**, and if you desaturate by 10%, it is **68.9800, 48.5920, 44.4960**.

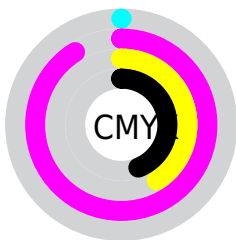
# Distribution



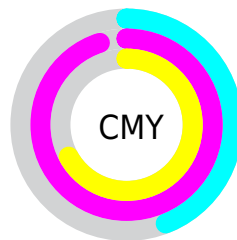
- Red (56%)
- Green (5%)
- Blue (33%)



- Red (56%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (91%)
- Yellow (41%)
- Black (44%)



- Cyan (44%)
- Magenta (95%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 59.9640, 54.6890, 49.6410 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 59.9640, 54.6890, 49.6410 by changing the saturation by 10% instead.



■ 59.9640, 54.6890,  
49.6410

■ 59.9640, 54.6890,  
49.6410

■ 255.0000, -0.0000,  
-0.0000

■ 41.3390, 48.9590,  
43.3510

■ 121.0470, 55.6530,  
43.1810

■ 30.4590, 39.3330,  
30.5730

■ 148.9440, 57.4410,  
43.8170

■ 20.7040, 30.8530,  
19.0530

■ 175.0470, 55.6530,  
43.1810

■ 9.0840, 17.5590,  
6.6710

■ 194.5610, 39.2860,  
36.9340


■ 0.0000, 0.0000,  
0.0000


■ 214.8900, 22.0020,  
30.7860


■ 232.6940, 10.4500,


19.8740


 250.3040, 2.2000,  
4.1840


 59.9640, 54.6890,  
49.6410


 59.9640, 54.6890,  
49.6410


 51.6490, 60.1900,  
54.5740

 68.9800, 48.5920,  
44.4960

 78.4690, 42.5410,  
38.5170

 87.4850, 36.4440,  
33.3720

 96.3870, 30.6680,  
27.9160

 105.9900, 24.2960,  
22.2480

■ 114.8920, 18.5200,  
16.7920

■ 123.7940, 12.7440,  
11.3360

■ 132.8100, 6.6470,  
6.1910

■ 142.2990, 0.5960,  
0.2120

# Harmonies

## Analogous

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



73.2890, 16.8650, 41.2890



59.9640, 54.6890, 49.6410



61.0570, 66.8880, 32.2960

# Triad

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



59.9640, 54.6890, 49.6410



64.8890, 12.2930, -30.0670



68.5450, -70.3780, -2.0740

# Complementary

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



59.9640, 54.6890, 49.6410



96.0360, -54.6890, -49.6410

# 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.



66.3160, -59.9680, -14.5280



59.9640, 54.6890, 49.6410



53.4800, -29.3360, -41.0480

# Square

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



59.9640, 54.6890, 49.6410



69.8050, 39.4330, -15.3110



60.7130, -45.5690, -27.6890



66.3740, -73.9100, 6.8740



# Rectangle

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



59.9640, 54.6890, 49.6410



66.2130, 65.6080, 11.4320



60.7130, -45.5690, -27.6890



68.5790, -67.7180, -6.2300

# Sweetspot

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



59.9640, 54.6890, 49.6410



154.0280, 21.1330, 18.9970



45.4610, -6.5660, 52.9380



74.9080, 12.4230, 11.6470



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.



59.9640, 54.6890, 49.6410



67.2420, 78.1140, 71.1540



52.5540, 75.5540, 29.4260



66.5490, 2.8880, 2.7280



48.8010, 56.7060, 51.6340



2.8480, 3.4840, 2.9400



# Inverse Universe

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



59.9640, 54.6890, 49.6410



67.2420, 78.1140, 71.1540



103.4460, -75.5540, -29.4260



66.5490, 2.8880, 2.7280



48.8010, 56.7060, 51.6340

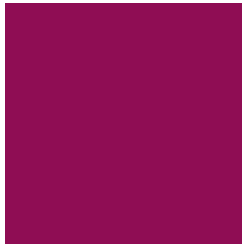


2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 59.9640, 54.6890, 49.6410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

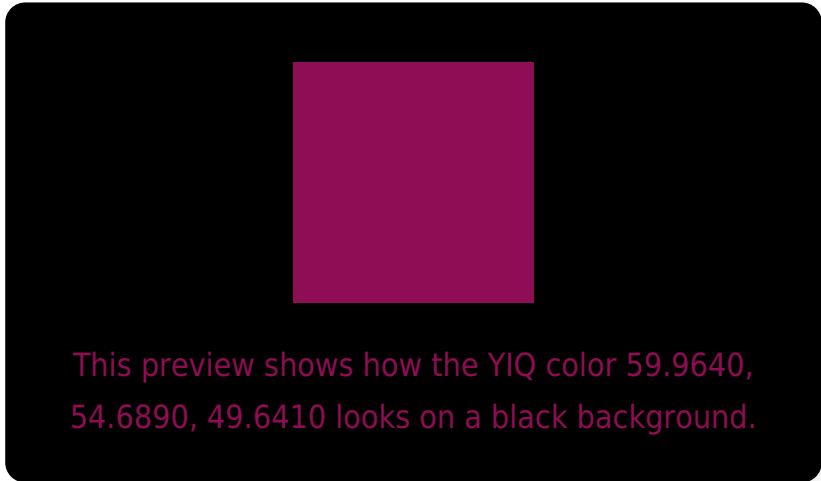
Any Text WCAG AA ✓ Pass

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

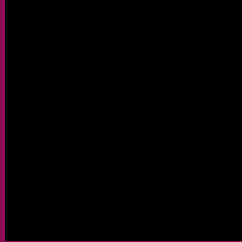
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 59.9640, 54.6890, 49.6410

## Background



This preview shows how black text looks on a background with the YIQ color 59.9640, 54.6890, 49.6410.



This preview shows how white text looks on a background with the YIQ color 59.9640, 54.6890,



# 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

59.9640, 54.6890, 49.6410

### Protanopia

74.6450, -23.3850, 10.8150

### Deuteranopia

76.8480, 3.4840, 2.9400



## Tritanopia

66.5090, 62.2590, 22.5710

# Trichromacy



## Original Color

59.9640, 54.6890, 49.6410

## Protanomaly

69.5180, 5.3140, 24.8500

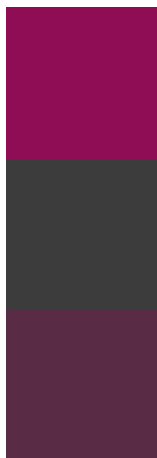
## Deuteranomaly

70.7400, 22.0040, 19.7320

## Tritanomaly

64.0500, 59.5980, 32.2540

# Monochromacy



## Original Color

59.9640, 54.6890, 49.6410

## Achromatopsia

60.0000, -0.0000, -0.0000

## Achromatomaly

60.0170, 19.6660, 18.0500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 59.9640, 54.6890, 49.6410 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(143, 13, 84)` looks like.

```
.text, #text, p{  
    color:rgb(143, 13, 84)  
}
```

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(143, 13, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 13, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 59.9640, 54.6890, 49.6410 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(143, 13, 84) }
```



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

```
.border{ border-color:rgb(143, 13, 84) }
```

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

Here you see how a box with a 4 pixel rgb(143, 13, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 13, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 13, 84);  
box-shadow:4px 4px 4px 4px rgb(143, 13,  
84) }
```

# Background

The CSS property to change the background color of an element to YIQ 59.9640, 54.6890, 49.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 13, 84) }
```

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

```
.background{ background-color: rgb(143, 13,  
84) }
```

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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