

# Converting Colors

YIQ(89.9580, 53.6850, 23.7730)

Have a look what the booklet for  
YIQ(89.9580, 53.6850, 23.7730)  
contains.

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# Color

**YIQ(89.9580, 53.6850,  
23.7730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C3C47
RGB	156, 60, 71
RGB Percent	61%, 24%, 28%
CMY	0.3880, 0.7648, 0.7214
CMYK	0.00, 0.62, 0.54, 0.39
HSL	353°, 44%, 42%
HSV	353°, 62%, 61%
XYZ	16.4747, 10.7570, 7.1780
YIQ	89.9580, 53.6850, 23.7730

# Conversions

## Conversions Part 2

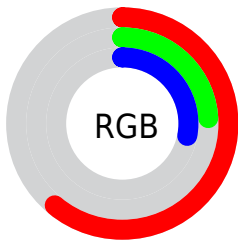
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 60, 71
Decimal	10239047
CIE Lab	39.17, 40.99, 14.32
CIE LCh	39, 43.418, 19.263
Yxy	10.7570, 0.4788, 0.3126
Android (android.graphics.Color)	4288429127 (0xFF9C3C47)
YUV	89.9580, -9.3463, 57.9188
Hunter-Lab	32.7979, 32.2659, 9.9825

# Details

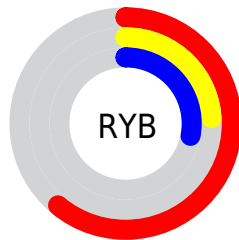
The YIQ color **89.9580, 53.6850, 23.7730** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **126.0420, -53.6850, -23.7730**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.2960, 58.5450, 23.8010**, and **33.6790, 50.3370, 29.3850** is the 20% darker color. If you saturate the color by 10%, you get **78.9700, 62.5790, 27.7870**, and if you desaturate by 10%, it is **100.9460, 44.7910, 19.7590**.

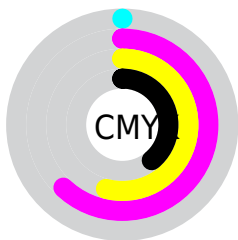
# Distribution



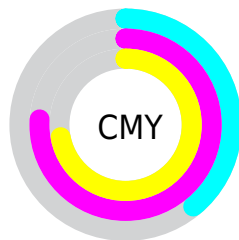
- Red (61%)
- Green (24%)
- Blue (28%)



- Red (61%)
- Yellow (24%)
- Blue (28%)



- Cyan (0%)
- Magenta (62%)
- Yellow (54%)
- Black (39%)




- Cyan (39%)
- Magenta (76%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.9580, 53.6850, 23.7730 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 89.9580, 53.6850, 23.7730 by changing the saturation by 10% instead.





 89.9580, 53.6850,  
23.7730


 89.9580, 53.6850,  
23.7730


255.0000, -0.0000,  
-0.0000

 63.8160, 51.2090,  
24.5930


 143.2960, 58.5450,  
23.8010


 33.6790, 50.3370,  
29.3850

 170.4920, 60.9290,  
24.6490


 21.9410, 43.1870,  
15.7870

 192.5940, 51.7140,  
20.9460

 14.5800, 27.9660,  
10.7980

 212.2220, 35.0260,  
15.0100

 0.0000, 0.0000,  
0.0000

 232.4370, 18.0630,  
8.5510

 252.6520, 1.1000,

2.0920

■ 89.9580, 53.6850,  
23.7730

■ 89.9580, 53.6850,  
23.7730

■ 78.9700, 62.5790,  
27.7870

■ 100.9460, 44.7910,  
19.7590

■ 68.5690, 71.1980,  
31.2780

■ 111.3470, 36.1720,  
16.2680

■ 57.6950, 79.7710,  
35.6030

■ 122.2210, 27.5990,  
11.9430

■ 48.6960, 87.1980,  
38.6700

■ 132.6220, 18.9800,  
8.4520

■ 143.6100, 10.0860,  
4.4380

■ 154.5980, 1.1920,  
0.4240

■ 164.9990, -7.4270,  
-3.0670

■ 175.8730,  
-16.0000, -7.3920

■ 186.2740,  
-24.6190, -10.8830

# Harmonies

## Analogous

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



92.1540, 38.8740, 33.3860



89.9580, 53.6850, 23.7730



90.0650, 54.1010, 5.2130

# Triad

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



89.9580, 53.6850, 23.7730



79.9920, -15.8580, -32.0020



77.1680, -79.5020, -1.9180

# Complementary

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



89.9580, 53.6850, 23.7730



126.0420, -53.6850, -23.7730

# 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.



79.3390, -75.9700, -10.8660



89.9580, 53.6850, 23.7730



72.2880, -54.7380, -32.2260

# Square

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



89.9580, 53.6850, 23.7730



85.4880, 20.9120, -26.5760



77.0930, -66.8900, -21.2420



90.1140, -34.7110, 17.8410



# Rectangle

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



89.9580, 53.6850, 23.7730



88.9250, 48.1430, -7.9610



77.0930, -66.8900, -21.2420



78.4730, -79.0430, -4.7310

# Sweetspot

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



89.9580, 53.6850, 23.7730



178.6330, 20.4470, 9.3990



96.3590, 19.8440, 47.8760



86.8060, 12.4700, 5.2860



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



89.9580, 53.6850, 23.7730



100.0870, 84.5390, 37.2990



110.4230, 47.0410, 1.0010



73.5060, 4.4470, 2.0070



44.5810, 80.0920, 35.2920



4.7130, 8.2980, 3.8020



# Inverse Universe

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



89.9580, 53.6850, 23.7730



100.0870, 84.5390, 37.2990



105.5770, -47.0410, -1.0010



73.5060, 4.4470, 2.0070



44.5810, 80.0920, 35.2920

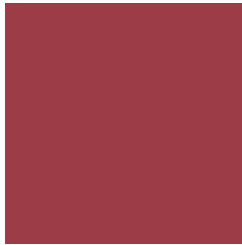


4.7130, 8.2980, 3.8020



# Previews

## White Background



This preview shows how the YIQ color 89.9580, 53.6850, 23.7730 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 × Fail



# Black Background



This preview shows how the YIQ color 89.9580, 53.6850, 23.7730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

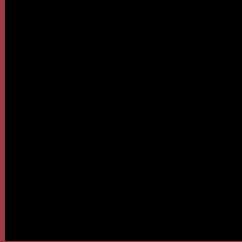
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 89.9580, 53.6850, 23.7730**

## **Background**



This preview shows how black text looks on a background with the YIQ color 89.9580, 53.6850, 23.7730.



This preview shows how white text looks on a background with the YIQ color 89.9580, 53.6850,



# 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

89.9580, 53.6850, 23.7730

### Protanopia

93.2130, 3.7140, -1.2300

### Deuteranopia

92.9560, 20.4950, -2.4890



## Tritanopia

89.8610, 55.3360, 21.3840

# Trichromacy



## Original Color

89.9580, 53.6850, 23.7730

## Protanomaly

92.0630, 22.0520, 7.8440

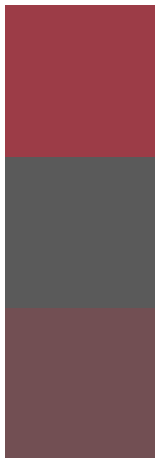
## Deuteranomaly

91.5110, 32.4140, 7.2780

## Tritanomaly

90.0890, 54.6940, 22.0060

# Monochromacy



## Original Color

89.9580, 53.6850, 23.7730

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

89.9210, 19.5760, 8.6640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.9580, 53.6850, 23.7730 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(156, 60, 71)` looks like.

```
.text, #text, p{  
    color:rgb(156, 60, 71)  
}
```

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(156, 60, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 60, 71) }
```

## Border

The CSS property to change the border of an element to YIQ 89.9580, 53.6850, 23.7730 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(156, 60, 71) }
```



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

```
.border{ border-color:rgb(156, 60, 71) }
```

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

Here you see how a box with a 4 pixel rgb(156, 60, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 60, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 60, 71);  
box-shadow:4px 4px 4px 4px rgb(156, 60,  
71) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.9580, 53.6850, 23.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 60, 71) }
```

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

```
.background{ background-color: rgb(156, 60,  
71) }
```

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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