

# Converting Colors

YIQ(93.8320, 35.9440, 9.3840)

Have a look what the booklet for  
YIQ(93.8320, 35.9440, 9.3840)  
contains.

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# Color

**YIQ(93.8320, 35.9440,  
9.3840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	864E46
RGB	134, 78, 70
RGB Percent	53%, 31%, 27%
CMY	0.4744, 0.6942, 0.7253
CMYK	0.00, 0.42, 0.48, 0.47
HSL	7°, 31%, 40%
HSV	7°, 48%, 53%
XYZ	13.6661, 10.9591, 7.1957
YIQ	93.8320, 35.9440, 9.3840

# Conversions

## Conversions Part 2

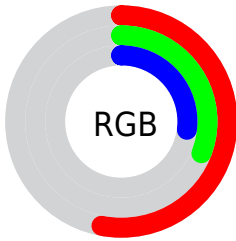
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 79, 70
Decimal	8801862
CIE <sub>Lab</sub>	39.51, 22.67, 14.85
CIE <sub>LCh</sub>	40, 27.099, 33.228
Yxy	10.9591, 0.4295, 0.3444
Android (android.graphics.Color)	4286991942 (0xFF864E46)
YUV	93.8320, -11.7492, 35.2273
Hunter-Lab	33.1046, 15.7549, 10.2858

# Details

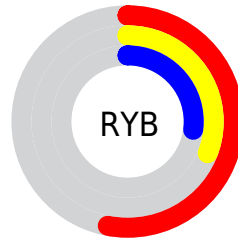
The YIQ color **93.8320, 35.9440, 9.3840** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **110.1680, -35.9440, -9.3840**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.0990, 39.5660, 9.8220**, and **46.0810, 30.8090, 8.8330** is the 20% darker color. If you saturate the color by 10%, you get **85.3060, 43.4170, 11.6170**, and if you desaturate by 10%, it is **102.3580, 28.4710, 7.1510**.

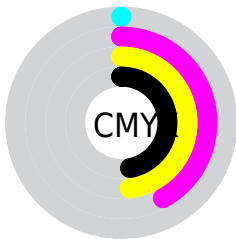
# Distribution



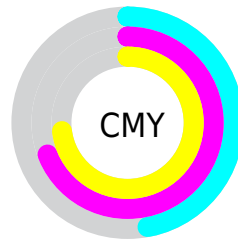
- Red (53%)
- Green (31%)
- Blue (27%)



- Red (53%)
- Yellow (31%)
- Blue (27%)



- Cyan (0%)
- Magenta (42%)
- Yellow (48%)
- Black (47%)



- Cyan (47%)
- Magenta (69%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.8320, 35.9440, 9.3840 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 93.8320, 35.9440, 9.3840 by changing the saturation by 10% instead.



■ 93.8320, 35.9440,  
9.3840

■ 93.8320, 35.9440,  
9.3840

255.0000, -0.0000,  
-0.0000

■ 69.1630, 33.5140,  
9.3700

■ 145.0990, 39.5660,  
9.8220

■ 46.0810, 30.8090,  
8.8330

■ 171.9960, 41.3540,  
10.4580

■ 22.3260, 31.4970,  
7.3770

■ 199.5940, 42.5460,  
10.8820

■ 10.2800, 19.9430,  
7.5190

■ 221.5000, 30.9470,  
6.3310

■ 0.0000, 0.0000,  
0.0000

■ 241.1280, 14.2590,  
0.3950

254.8860, 0.3210,

-0.3110

■ 93.8320, 35.9440,  
9.3840

■ 93.8320, 35.9440,  
9.3840

■ 85.3060, 43.4170,  
11.6170

■ 102.3580, 28.4710,  
7.1510

■ 77.2530, 50.9360,  
13.0160

■ 110.4110, 20.9520,  
5.7520

■ 68.7270, 58.4090,  
15.2490

■ 118.9370, 13.4790,  
3.5190

■ 60.0870, 66.2030,  
17.1710

■ 127.5770, 5.6850,  
1.5970

■ 51.5610, 73.6760,  
19.4040

■ 136.1030, -1.7880,  
-0.6360

■ 50.0450, 75.1890,  
19.5170

■ 144.0420, -8.9860,  
-2.3460

■ 152.6820,  
-16.7800, -4.2680

■ 161.2080,  
-24.2530, -6.5010

■ 169.8480,  
-32.0470, -8.4230

# Harmonies

## Analogous

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



94.8780, 30.3030, 18.0070



93.8320, 35.9440, 9.3840



92.8280, 32.5990, -1.5850

# Triad

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



93.8320, 35.9440, 9.3840



84.8150, -19.2530, -20.0290



89.6330, -32.2790, 6.8010

# Complementary

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



93.8320, 35.9440, 9.3840



110.1680, -35.9440, -9.3840

# 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.



77.3250, -64.1870, -9.6510



93.8320, 35.9440, 9.3840



76.9500, -50.4300, -22.1900

# Square

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



93.8320, 35.9440, 9.3840



88.9010, 3.9920, -17.2880



74.3860, -66.1570, -18.0050



94.6040, -6.9720, 16.2280



# Rectangle

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



93.8320, 35.9440, 9.3840



91.9040, 26.2730, -8.0870



74.3860, -66.1570, -18.0050



87.2080, -41.4480, 2.2640

# Sweetspot

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



93.8320, 35.9440, 9.3840



157.9370, 13.4790, 3.5190



95.6340, 19.8470, 31.2950



77.6590, 8.3900, 2.1340



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



93.8320, 35.9440, 9.3840



111.3460, 55.1080, 14.5000



112.6160, 27.1440, -7.3520



61.7940, 3.5760, 1.2720



48.2620, 73.0800, 19.1920



0.8970, 1.7880, 0.6360



# Inverse Universe

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



110.1680, -35.9440, -9.3840



136.6540, -55.1080, -14.5000



91.9710, -27.4190, 6.8290



63.6190, -3.3010, -0.7490



81.7380, -73.0800, -19.1920



1.5160, -1.5130, -0.1130



# Previews

## White Background



This preview shows how the YIQ color 93.8320, 35.9440, 9.3840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

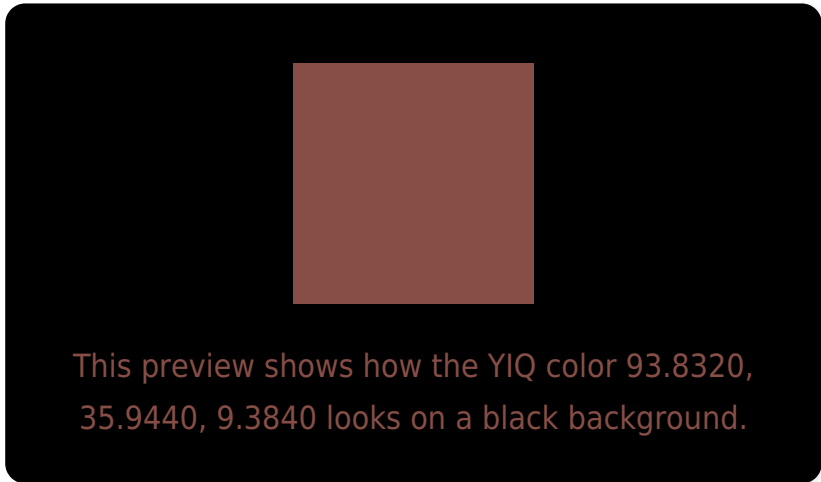
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

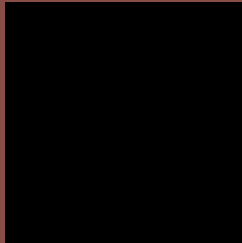
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.8320, 35.9440, 9.3840**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.8320, 35.9440, 9.3840.



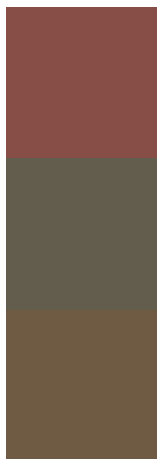
This preview shows how white text looks on a background with the YIQ color 93.8320, 35.9440,



# 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

93.8320, 35.9440, 9.3840

### Protanopia

92.9700, 8.7120, -3.7040

### Deuteranopia

93.7710, 19.5780, -2.3900



## Tritanopia

94.3250, 33.2380, 14.3740

# Trichromacy



## Original Color

93.8320, 35.9440, 9.3840

## Protanomaly

93.5800, 18.7980, 0.7340

## Deuteranomaly

93.9290, 25.1250, 1.7090

## Tritanomaly

94.4560, 34.2470, 12.6070

# Monochromacy



## Original Color

93.8320, 35.9440, 9.3840

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.9370, 13.4790, 3.5190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.8320, 35.9440, 9.3840 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(134, 78, 70)` looks like.

```
.text, #text, p{  
    color:rgb(134, 78, 70)  
}
```

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(134, 78, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 78, 70) }
```

## Border

The CSS property to change the border of an element to YIQ 93.8320, 35.9440, 9.3840 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(134, 78, 70) }
```



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

```
.border{ border-color:rgb(134, 78, 70) }
```

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

Here you see how a box with a 4 pixel rgb(134, 78, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 78, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 78, 70);  
box-shadow:4px 4px 4px 4px rgb(134, 78,  
70) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.8320, 35.9440, 9.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 78, 70) }
```

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

```
.background{ background-color: rgb(134, 78,  
70) }
```

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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