

# Converting Colors

YIQ(93.4900, 44.9340, -10.3780)

Have a look what the booklet for  
YIQ(93.4900, 44.9340, -10.3780)  
contains.

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# Color

**YIQ(93.4900, 44.9340,  
-10.3780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	82581A
RGB	130, 88, 26
RGB Percent	51%, 35%, 10%
CMY	0.4901, 0.6550, 0.8978
CMYK	0.00, 0.32, 0.80, 0.49
HSL	36°, 67%, 31%
HSV	36°, 80%, 51%
XYZ	12.8837, 11.7984, 2.5789
YIQ	93.4900, 44.9340, -10.3780

# Conversions

## Conversions Part 2

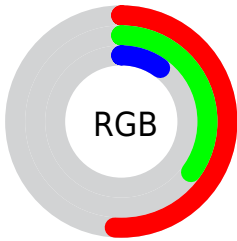
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 130, 26
Decimal	8542234
CIELab	40.89, 11.61, 40.66
CIELCh	41, 42.282, 74.060
Yxy	11.7984, 0.4726, 0.4328
Android (android.graphics.Color)	4286732314 (0xFF82581A)
YUV	93.4900, -33.2726, 32.0193
Hunter-Lab	34.3488, 6.8419, 19.5926

# Details

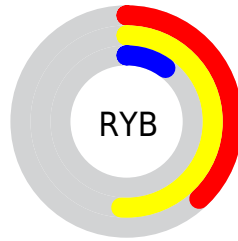
The YIQ color **93.4900, 44.9340, -10.3780** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **62.5100, -44.9340, 10.3780**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.3550, 49.7480, -9.5160**, and **47.9650, 33.4710, -6.3770** is the 20% darker color. If you saturate the color by 10%, you get **89.0730, 50.4820, -11.8060**, and if you desaturate by 10%, it is **97.9070, 39.3860, -8.9500**.

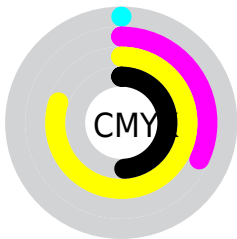
# Distribution



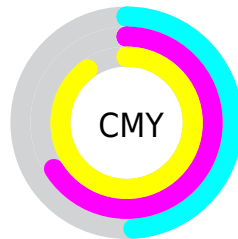
- Red (51%)
- Green (35%)
- Blue (10%)



- Red (38%)
- Yellow (51%)
- Blue (10%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (49%)



- Cyan (49%)
- Magenta (66%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.4900, 44.9340, -10.3780 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 93.4900, 44.9340, -10.3780 by changing the saturation by 10% instead.



93.4900, 44.9340,  
-10.3780

93.4900, 44.9340,  
-10.3780

255.0000, -0.0000,  
-0.0000

68.9520, 43.5130,  
-12.1590

145.3550, 49.7480,  
-9.5160

47.9650, 33.4710,  
-6.3770

172.1380, 51.8570,  
-9.1910

27.8640, 23.7500,  
-0.9060

199.6220, 53.3700,  
-9.0780

8.0730, 16.0920,  
5.7240

222.0120, 43.2840,  
-13.5160

0.0000, 0.0000,  
0.0000

241.6400, 26.5960,  
-19.4520

249.4140, 15.7290,

-15.2390

■ 252.7200, 6.4200,  
-6.2200

■ 93.4900, 44.9340,  
-10.3780

■ 93.4900, 44.9340,  
-10.3780

■ 89.0730, 50.4820,  
-11.8060

■ 97.9070, 39.3860,  
-8.9500

■ 84.0690, 56.3050,  
-12.7110

■ 102.3240, 33.8380,  
-7.5220

■ 107.3280, 28.0150,  
-6.6170

■ 111.7450, 22.4670,  
-5.1890

■ 116.1620, 16.9190,  
-3.7610

■ 121.1660, 11.0960,  
-2.8560

■ 125.5830, 5.5480,  
-1.4280

■ 130.0000, -0.0000,  
-0.0000

■ 134.4170, -5.5480,  
1.4280

# Harmonies

## Analogous

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



94.5860, 54.1920, 9.0720



93.4900, 44.9340, -10.3780



90.8090, 24.4420, -24.4700

# Triad

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



93.4900, 44.9340, -10.3780



79.0990, -67.0270, -24.2670



99.2990, 1.7370, 29.1050

# Complementary

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



93.4900, 44.9340, -10.3780



62.5100, -44.9340, 10.3780

# 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.



92.7000, -42.4130, 14.2510



93.4900, 44.9340, -10.3780



81.5730, -76.7490, -13.2690

# Square

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



93.4900, 44.9340, -10.3780



74.4080, -55.1960, -34.9400



80.2170, -81.1980, -4.2220



97.4030, 33.7390, 32.8350



# Rectangle

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



93.4900, 44.9340, -10.3780



88.0500, 4.5900, -28.1300



80.2170, -81.1980, -4.2220



98.5470, -10.8250, 25.4870

# Sweetspot

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



93.4900, 44.9340, -10.3780



154.0480, 17.2400, -4.0720



61.9980, 48.1810, 35.4210



75.3940, 10.4540, -2.2340



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



93.4900, 44.9340, -10.3780



111.4910, 69.5560, -16.0760



115.4530, 28.0200, -34.2520



61.4410, 3.0720, -0.6080



82.8840, 55.3880, -12.6120



0.0000, 0.0000, 0.0000



# Inverse Universe

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



62.5100, -44.9340, 10.3780



63.5090, -69.5560, 16.0760



40.5470, -28.0200, 34.2520



59.5590, -3.0720, 0.6080



45.1160, -55.3880, 12.6120



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 93.4900, 44.9340, -10.3780 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 93.4900, 44.9340, -10.3780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

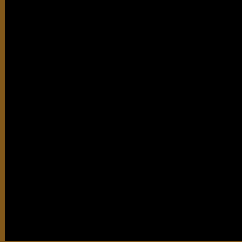
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.4900, 44.9340, -10.3780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.4900, 44.9340, -10.3780.



This preview shows how white text looks on a background with the YIQ color 93.4900, 44.9340,

-10.3780.

# 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

93.4900, 44.9340, -10.3780

### Protanopia

92.7220, 29.3010, -18.9150

### Deuteranopia

93.2180, 39.7080, -14.7880



## Tritanopia

98.2320, 29.0660, 12.8900

# Trichromacy



## Original Color

93.4900, 44.9340, -10.3780

## Protanomaly

93.2390, 35.2150, -15.9610

## Deuteranomaly

93.6420, 41.4500, -13.3180

## Tritanomaly

96.4850, 35.3030, 4.4790

# Monochromacy



## Original Color

93.4900, 44.9340, -10.3780

## Achromatopsia

93.0000, -0.0000, -0.0000

## Achromatomaly

92.9770, 16.0020, -3.6620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.4900, 44.9340, -10.3780 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(130, 88, 26)` looks like.

```
.text, #text, p{  
    color:rgb(130, 88, 26)  
}
```

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(130, 88, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 88, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 93.4900, 44.9340, -10.3780 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(130, 88, 26) }
```



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

```
.border{ border-color:rgb(130, 88, 26) }
```

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

Here you see how a box with a 4 pixel rgb(130, 88, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 88, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 88, 26);  
box-shadow:4px 4px 4px 4px rgb(130, 88,  
26) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.4900, 44.9340, -10.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 88, 26) }
```

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

```
.background{ background-color: rgb(130, 88,  
26) }
```

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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