

# Converting Colors

YIQ(90.5880, 59.8780, 5.1420)

Have a look what the booklet for  
YIQ(90.5880, 59.8780, 5.1420)  
contains.

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# Color

**YIQ(90.5880, 59.8780,  
5.1420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	974721
RGB	151, 71, 33
RGB Percent	59%, 28%, 13%
CMY	0.4077, 0.7217, 0.8703
CMYK	0.00, 0.53, 0.78, 0.41
HSL	19°, 64%, 36%
HSV	19°, 78%, 59%
XYZ	15.2970, 11.1958, 2.7986
YIQ	90.5880, 59.8780, 5.1420

# Conversions

## Conversions Part 2

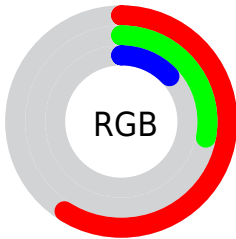
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 89, 33
Decimal	9914145
CIE <sub>Lab</sub>	39.91, 30.99, 37.37
CIE <sub>LCh</sub>	40, 48.547, 50.333
Yxy	11.1958, 0.5222, 0.3822
Android (android.graphics.Color)	4288104225 (0xFF974721)
YUV	90.5880, -28.3909, 52.9813
Hunter-Lab	33.4601, 23.0499, 18.4630

# Details

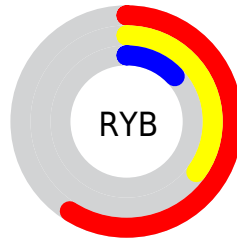
The YIQ color **90.5880, 59.8780, 5.1420** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **93.4120, -59.8780, -5.1420**, and the grayscale version is **91.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.9370, 66.2050, 6.1170**, and **41.6070, 49.6990, 7.8990** is the 20% darker color. If you saturate the color by 10%, you get **83.0080, 67.4430, 5.7070**, and if you desaturate by 10%, it is **98.1680, 52.3130, 4.5770**.

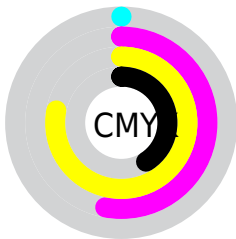
# Distribution



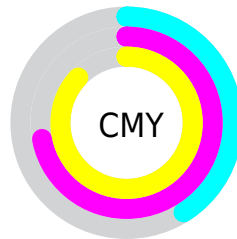
- Red (59%)
- Green (28%)
- Blue (13%)



- Red (59%)
- Yellow (35%)
- Blue (13%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (41%)



- Cyan (41%)
- Magenta (72%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.5880, 59.8780, 5.1420 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 90.5880, 59.8780, 5.1420 by changing the saturation by 10% instead.



■ 90.5880, 59.8780,  
5.1420

■ 90.5880, 59.8780,  
5.1420

■ 255.0000, -0.0000,  
-0.0000

■ 65.2070, 56.5770,  
4.3930

■ 142.9370, 66.2050,  
6.1170

■ 41.6070, 49.6990,  
7.8990

■ 170.3180, 69.5060,  
6.8660

■ 19.7340, 39.3360,  
13.9920

■ 193.2030, 62.4000,  
3.4880

■ 12.9710, 25.3070,  
9.4270

■ 212.6030, 46.3540,  
-3.0700

■ 0.0000, 0.0000,  
0.0000

■ 232.2310, 29.6660,  
-9.0060

■ 249.9840, 14.1240,

-13.6840

253.2900, 4.8150,  
-4.6650

90.5880, 59.8780,  
5.1420

90.5880, 59.8780,  
5.1420

83.0080, 67.4430,  
5.7070

98.1680, 52.3130,  
4.5770

74.8410, 75.2830,  
6.7950

105.7480, 44.7480,  
4.0120

73.9120, 76.5210,  
6.3850

113.9150, 36.9080,  
2.9240

121.4950, 29.3430,  
2.3590

129.1890, 21.4570,  
2.1050

■ 136.7690, 13.8920,  
1.5400

■ 144.9360, 6.0520,  
0.4520

■ 152.5160, -1.5130,  
-0.1130

■ 160.0960, -9.0780,  
-0.6780

# Harmonies

## Analogous

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



89.7740, 60.1950, 26.9390



90.5880, 59.8780, 5.1420



88.8460, 49.3830, -19.4250

# Triad

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



90.5880, 59.8780, 5.1420



74.7500, -56.1590, -34.0070



91.5420, -38.7920, 20.2160

# Complementary

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



90.5880, 59.8780, 5.1420



93.4120, -59.8780, -5.1420

# 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.



79.4820, -83.2620, 0.1460



90.5880, 59.8780, 5.1420



79.4240, -69.3200, -21.2560

# Square

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



90.5880, 59.8780, 5.1420



78.4210, -21.6800, -36.6240



82.1260, -79.6840, -9.6360



96.7780, 10.8140, 35.3100



# Rectangle

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



90.5880, 59.8780, 5.1420



87.1380, 33.5210, -29.3190



82.1260, -79.6840, -9.6360



81.3640, -67.9500, 8.9940

# Sweetspot

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



90.5880, 59.8780, 5.1420



173.2600, 22.6950, 1.6950



77.5160, 44.3270, 50.2070



85.3560, 13.6170, 1.0170



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



90.5880, 59.8780, 5.1420



101.6490, 93.4390, 8.1510



124.6340, 43.9280, -25.1920



72.5660, 4.2180, 0.6500



68.2750, 71.0650, 6.1450



6.2350, 6.6480, 0.6640



# Inverse Universe

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



93.4120, -59.8780, -5.1420



106.3510, -93.4390, -8.1510



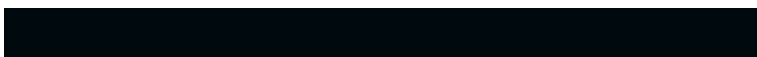
59.3660, -43.9280, 25.1920



72.8470, -3.9430, -0.1270



71.7250, -71.0650, -6.1450



6.7650, -6.6480, -0.6640



# Previews

## White Background



This preview shows how the YIQ color 90.5880, 59.8780, 5.1420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

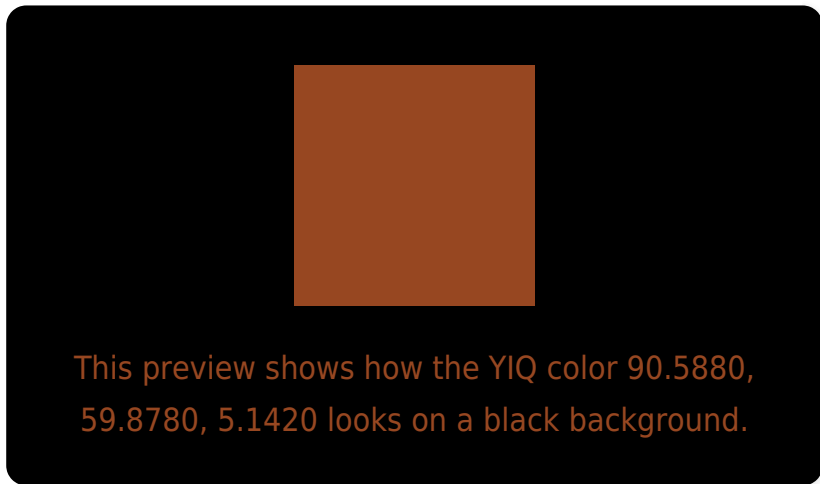
Any Text WCAG AA ✓ Pass

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 90.5880, 59.8780, 5.1420**

## **Background**



This preview shows how black text looks on a background with the YIQ color 90.5880, 59.8780, 5.1420.



This preview shows how white text looks on a background with the YIQ color 90.5880, 59.8780,



# 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

90.5880, 59.8780, 5.1420

### Protanopia

91.7200, 23.6150, -14.9850

### Deuteranopia

91.4890, 37.5070, -13.4450



## Tritanopia

93.1700, 49.9720, 19.4760

# Trichromacy



## Original Color

90.5880, 59.8780, 5.1420

## Protanomaly

91.1780, 37.1850, -7.6070

## Deuteranomaly

91.1960, 45.9420, -6.6180

## Tritanomaly

91.8620, 53.5950, 14.3870

# Monochromacy



## Original Color

90.5880, 59.8780, 5.1420

## Achromatopsia

91.0000, -0.0000, -0.0000

## Achromatomaly

91.0750, 21.7780, 1.7940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.5880, 59.8780, 5.1420 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(151, 71, 33)` looks like.

```
.text, #text, p{  
    color:rgb(151, 71, 33)  
}
```

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(151, 71, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 71, 33) }
```

## Border

The CSS property to change the border of an element to YIQ 90.5880, 59.8780, 5.1420 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(151, 71, 33) }
```



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

```
.border{ border-color:rgb(151, 71, 33) }
```

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

Here you see how a box with a 4 pixel rgb(151, 71, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 71, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 71, 33);  
box-shadow:4px 4px 4px 4px rgb(151, 71,  
33) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.5880, 59.8780, 5.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 71, 33) }
```

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

```
.background{ background-color: rgb(151, 71,  
33) }
```

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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