

# Converting Colors

YIQ(86.2230, 59.6480, 9.3120)

Have a look what the booklet for  
YIQ(86.2230, 59.6480, 9.3120)  
contains.

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# Color

**YIQ(86.2230, 59.6480,  
9.3120)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>             |
|---------------|--------------------------|
| Hex           | 954024                   |
| RGB           | 149, 64, 36              |
| RGB Percent   | 58%, 25%, 14%            |
| CMY           | 0.4155, 0.7491, 0.8586   |
| CMYK          | 0.00, 0.57, 0.76, 0.42   |
| HSL           | 15°, 61%, 36%            |
| HSV           | 15°, 76%, 58%            |
| XYZ           | 14.5539, 10.1845, 2.8731 |
| YIQ           | 86.2230, 59.6480, 9.3120 |

# Conversions

## Conversions Part 2

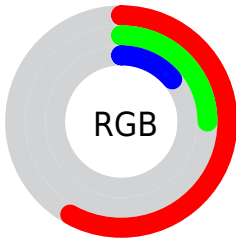
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 149, 73, 36                   |
| Decimal                             | 9781284                       |
| CIE Lab                             | 38.17, 34.00, 33.86           |
| CIE LCh                             | 38, 47.980, 44.882            |
| Yxy                                 | 10.1845, 0.5271,<br>0.3689    |
| Android<br>(android.graphics.Color) | 4287971364<br>(0xFF954024)    |
| YUV                                 | 86.2230, -24.7599,<br>55.0554 |
| Hunter-Lab                          | 31.9132, 25.5559,<br>17.0015  |

# Details

The YIQ color **86.2230, 59.6480, 9.3120** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **98.7770, -59.6480, -9.3120**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.4580, 66.2960, 9.9760**, and **35.1390, 51.2570, 12.7050** is the 20% darker color. If you saturate the color by 10%, you get **78.0560, 67.4880, 10.4000**, and if you desaturate by 10%, it is **94.3900, 51.8080, 8.2240**.

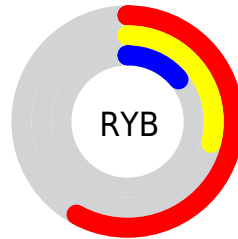
# Distribution



Red (58%)

Green (25%)

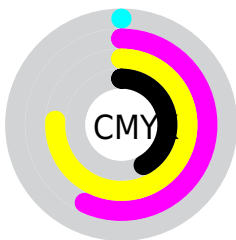
Blue (14%)



Red (58%)

Yellow (29%)

Blue (14%)

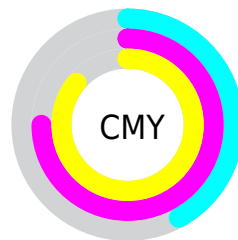


Cyan (0%)

Magenta (57%)

Yellow (76%)

Black (42%)



Cyan (42%)

Magenta (75%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.2230, 59.6480, 9.3120 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 86.2230, 59.6480, 9.3120 by changing the saturation by 10% instead.



86.2230, 59.6480,  
9.3120

86.2230, 59.6480,  
9.3120

255.0000, -0.0000,  
-0.0000

60.9560, 56.0260,  
8.8740

138.4580, 66.2960,  
9.9760

35.1390, 51.2570,  
12.7050

165.5400, 69.0010,  
10.5130

19.1360, 38.1440,  
13.5680

189.3220, 63.6830,  
7.7710

11.7750, 22.9230,  
8.5790

208.8360, 47.3160,  
1.5240

0.0000, 0.0000,  
0.0000

228.3500, 30.9490,  
-4.7230

248.5650, 13.9860,

-11.1820

253.5180, 4.1730,  
-4.0430

86.2230, 59.6480,  
9.3120

86.2230, 59.6480,  
9.3120

78.0560, 67.4880,  
10.4000

94.3900, 51.8080,  
8.2240

69.8890, 75.3280,  
11.4880

102.5570, 43.9680,  
7.1360

66.2700, 78.6290,  
12.2370

111.3110, 35.8530,  
5.5250

119.4780, 28.0130,  
4.4370

127.6450, 20.1730,  
3.3490

■ 135.6980, 12.6540,  
1.9500

■ 144.4520, 4.5390,  
0.3390

■ 152.6190, -3.3010,  
-0.7490

■ 160.7860,  
-11.1410, -1.8370

# Harmonies

## Analogous

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



85.6860, 57.6270, 29.4270



86.2230, 59.6480, 9.3120



84.8510, 50.9870, -15.4530

# Triad

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



86.2230, 59.6480, 9.3120



70.5610, -51.2530, -34.8130



83.3230, -51.5370, 14.4070

# Complementary

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



86.2230, 59.6480, 9.3120



98.7770, -59.6480, -9.3120

# 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.



77.5100, -80.4650, -0.9850



86.2230, 59.6480, 9.3120



75.8220, -64.6890, -22.5850

# Square

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



86.2230, 59.6480, 9.3120



76.4500, -11.4560, -34.6880



78.6380, -75.3740, -10.6540



92.3040, 3.3410, 33.0770



# Rectangle

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



86.2230, 59.6480, 9.3120



83.6270, 36.6380, -25.2340



78.6380, -75.3740, -10.6540



73.1560, -79.2280, 4.1320

# Sweetspot

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



86.2230, 59.6480, 9.3120



168.9120, 23.7950, 3.7870



79.7050, 39.4210, 51.0130



81.5950, 14.4420, 2.5860



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



86.2230, 59.6480, 9.3120



95.7510, 93.3920, 14.5120



118.5080, 44.5230, -19.4530



69.6800, 3.8970, 0.9610



61.2200, 72.8980, 11.4740



4.7510, 5.1350, 0.5510



# Inverse Universe

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



98.7770, -59.6480, -9.3120



115.2490, -93.3920, -14.5120



66.4920, -44.5230, 19.4530



70.7330, -3.6220, -0.4380



76.7800, -72.8980, -11.4740



5.8360, -5.4100, -1.0740



# Previews

## White Background



This preview shows how the YIQ color 86.2230, 59.6480, 9.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

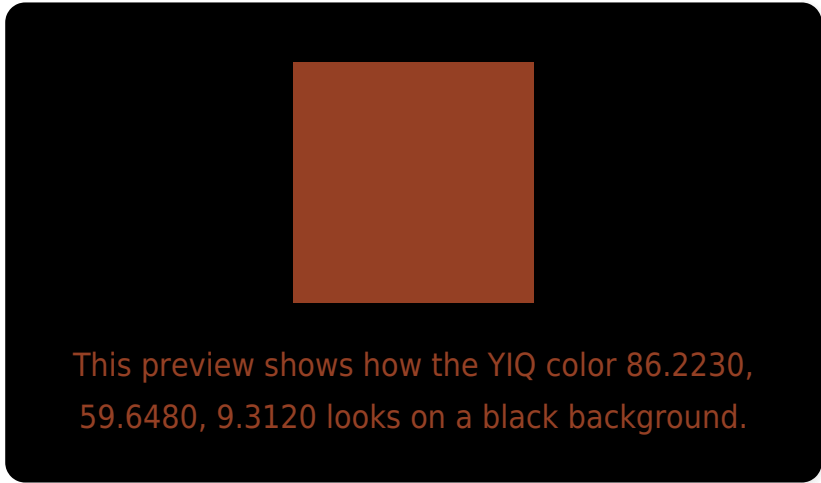
Any Text WCAG AA ✓ Pass

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 86.2230, 59.6480, 9.3120**

## **Background**



This preview shows how black text looks on a background with the YIQ color 86.2230, 59.6480, 9.3120.



This preview shows how white text looks on a background with the YIQ color 86.2230, 59.6480,



# 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

86.2230, 59.6480, 9.3120

### Protanopia

88.3330, 20.4510, -12.7090

### Deuteranopia

87.6890, 34.0680, -11.6920



## Tritanopia

88.0670, 51.7600, 20.1120

# Trichromacy



## Original Color

86.2230, 59.6480, 9.3120

## Protanomaly

87.5030, 34.8920, -4.5960

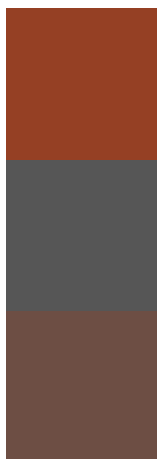
## Deuteranomaly

87.1080, 43.3740, -4.1300

## Tritanomaly

87.4000, 55.0160, 16.1680

# Monochromacy



## Original Color

86.2230, 59.6480, 9.3120

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

86.1290, 21.6860, 3.4620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.2230, 59.6480, 9.3120 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(149, 64, 36)` looks like.

```
.text, #text, p{  
    color:rgb(149, 64, 36)  
}
```

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(149, 64, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 64, 36) }
```

## Border

The CSS property to change the border of an element to YIQ 86.2230, 59.6480, 9.3120 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(149, 64, 36) }
```



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

```
.border{ border-color:rgb(149, 64, 36) }
```

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

Here you see how a box with a 4 pixel rgb(149, 64, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 64, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 64, 36);  
box-shadow:4px 4px 4px 4px rgb(149, 64,  
36) }
```

# Background

The CSS property to change the background color of an element to YIQ 86.2230, 59.6480, 9.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 64, 36) }
```

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

```
.background{ background-color: rgb(149, 64,  
36) }
```

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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