

# Converting Colors

YIQ(96.0760, 63.5950, -12.6690)

Have a look what the booklet for  
YIQ(96.0760, 63.5950, -12.6690)  
contains.

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# Color

**YIQ(96.0760, 63.5950,  
-12.6690)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 955704                     |
| RGB           | 149, 87, 4                 |
| RGB Percent   | 58%, 34%, 2%               |
| CMY           | 0.4156, 0.6589, 0.9840     |
| CMYK          | 0.00, 0.42, 0.97, 0.42     |
| HSL           | 34°, 95%, 30%              |
| HSV           | 34°, 97%, 58%              |
| XYZ           | 15.8273, 13.2129, 1.8333   |
| YIQ           | 96.0760, 63.5950, -12.6690 |

# Conversions

## Conversions Part 2

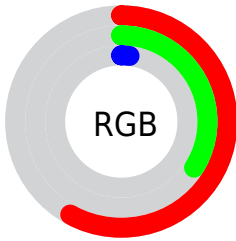
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 112, 149, 4                   |
| Decimal                             | 9787140                       |
| CIE <sub>Lab</sub>                  | 43.08, 20.42, 50.60           |
| CIE <sub>LCh</sub>                  | 43, 54.567, 68.030            |
| Yxy                                 | 13.2129, 0.5126,<br>0.4280    |
| Android<br>(android.graphics.Color) | 4287977220<br>(0xFF955704)    |
| YUV                                 | 96.0760, -45.3935,<br>46.4143 |
| Hunter-Lab                          | 36.3496, 14.1105,<br>22.4543  |

# Details

The YIQ color **96.0760, 63.5950, -12.6690** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **56.9240, -63.5950, 12.6690**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **149.5650, 66.7120, -8.5840**, and **51.5750, 43.5570, -1.9390** is the 20% darker color. If you saturate the color by 10%, you get **94.4460, 65.4290, -12.8670**, and if you desaturate by 10%, it is **101.3080, 57.1300, -11.1420**.

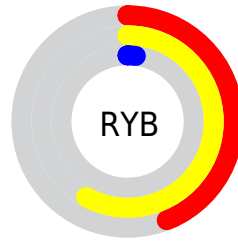
# Distribution



Red (58%)

Green (34%)

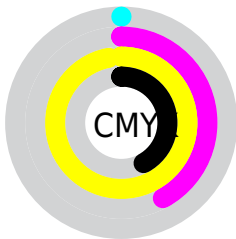
Blue (2%)



Red (44%)

Yellow (58%)

Blue (2%)

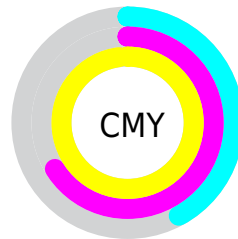


Cyan (0%)

Magenta (42%)

Yellow (97%)

Black (42%)



Cyan (42%)

Magenta (66%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.0760, 63.5950, -12.6690 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 96.0760, 63.5950, -12.6690 by changing the saturation by 10% instead.



96.0760, 63.5950,  
-12.6690

96.0760, 63.5950,  
-12.6690

254.4300, 1.6050,  
-1.5550

72.8610, 54.1950,  
-7.5090

149.5650, 66.7120,  
-8.5840

51.5750, 43.5570,  
-1.9390

176.9460, 70.0130,  
-7.8350

30.5880, 33.5150,  
3.8430

201.1300, 63.5030,  
-11.0010

11.9600, 23.8400,  
8.4800

219.9430, 47.7320,  
-17.0360

0.0000, 0.0000,  
0.0000

240.0440, 31.0900,  
-23.8060

247.9320, 19.9020,

-19.2820

■ 251.1240, 10.9140,  
-10.5740

■ 96.0760, 63.5950,  
-12.6690

■ 96.0760, 63.5950,  
-12.6690

■ 94.4460, 65.4290,  
-12.8670

■ 101.3080, 57.1300,  
-11.1420

■ 107.1270, 50.3900,  
-10.1380

■ 112.3590, 43.9250,  
-8.6110

■ 117.5910, 37.4600,  
-7.0840

■ 123.4100, 30.7200,  
-6.0800

■ 128.5280, 24.5760,  
-4.8640

■ 134.3470, 17.8360,  
-3.8600

■ 139.5790, 11.3710,  
-2.3330

■ 144.8110, 4.9060,  
-0.8060

# Harmonies

## Analogous

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



96.8270, 69.8710, 16.7750



96.0760, 63.5950, -12.6690



94.5360, 38.1520, -30.6480

# Triad

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



96.0760, 63.5950, -12.6690



84.4960, -69.8230, -28.6630



104.3120, -8.3050, 34.8870

# Complementary

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



96.0760, 63.5950, -12.6690



56.9240, -63.5950, 12.6690

# 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.



82.3490, -89.9570, 5.8430



96.0760, 63.5950, -12.6690



88.9250, -83.6720, -14.4560

# Square

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



96.0760, 63.5950, -12.6690



77.9640, -54.1860, -42.2340



89.2960, -91.6060, -2.8220



101.2330, 37.6340, 44.8500



# Rectangle

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



96.0760, 63.5950, -12.6690



89.4900, 17.4300, -40.5700



89.2960, -91.6060, -2.8220



101.9720, -28.0190, 28.7250

# Sweetspot

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



96.0760, 63.5950, -12.6690



173.5280, 24.5760, -4.8640



54.5370, 66.1970, 50.3330



84.3190, 15.0390, -2.7290



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.



96.0760, 63.5950, -12.6690



123.1630, 85.0990, -16.9250



129.4800, 40.5850, -47.2150



71.4410, 3.0720, -0.6080



87.6350, 60.5230, -12.0610



6.5120, 4.3100, -1.0180



# Inverse Universe

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



56.9240, -63.5950, 12.6690



70.8370, -85.0990, 16.9250



23.5200, -40.5850, 47.2150



69.5590, -3.0720, 0.6080



50.3650, -60.5230, 12.0610

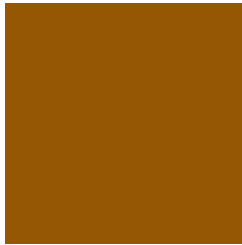


3.4880, -4.3100, 1.0180



# Previews

## White Background



This preview shows how the YIQ color 96.0760, 63.5950, -12.6690 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 96.0760, 63.5950, -12.6690 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 96.0760, 63.5950, -12.6690

## Background



This preview shows how black text looks on a background with the YIQ color 96.0760, 63.5950, -12.6690.



This preview shows how white text looks on a background with the YIQ color 96.0760, 63.5950,

-12.6690.

# 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

96.0760, 63.5950, -12.6690

### Protanopia

96.2140, 36.3630, -25.7570

### Deuteranopia

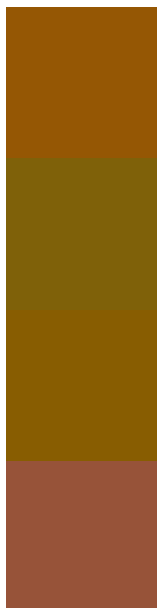
95.5100, 50.2090, -23.3830



## Tritanopia

102.9130, 40.3900, 16.9180

# Trichromacy



## Original Color

96.0760, 63.5950, -12.6690

## Protanomaly

95.9380, 46.1280, -21.0080

## Deuteranomaly

95.3690, 55.1600, -19.4960

## Tritanomaly

100.3680, 48.8740, 6.3300

# Monochromacy



## Original Color

96.0760, 63.5950, -12.6690

## Achromatopsia

96.0000, -0.0000, 0.0000

## Achromatomaly

96.1580, 22.7420, -4.6660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.0760, 63.5950, -12.6690 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, 87, 4)` looks like.

```
.text, #text, p{  
    color:rgb(149, 87, 4)  
}
```

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, 87, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 87, 4) }
```

## Border

The CSS property to change the border of an element to YIQ 96.0760, 63.5950, -12.6690 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, 87, 4) }
```



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

```
.border{ border-color:rgb(149, 87, 4) }
```

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

Here you see how a box with a 4 pixel rgb(149, 87, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 87, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 87, 4);  
box-shadow:4px 4px 4px 4px rgb(149, 87, 4)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 96.0760, 63.5950, -12.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 87, 4) }
```

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

```
.background{ background-color: rgb(149, 87,  
4) }
```

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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