

# Converting Colors

YIQ(99.8820, 49.7020, -8.6820)

Have a look what the booklet for  
YIQ(99.8820, 49.7020, -8.6820)  
contains.

<b>YIQ(99.8820, 49.7020, -8.6820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(99.8820, 49.7020,  
-8.6820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E5C1E
RGB	142, 92, 30
RGB Percent	56%, 36%, 12%
CMY	0.4431, 0.6393, 0.8821
CMYK	0.00, 0.35, 0.79, 0.44
HSL	33°, 65%, 34%
HSV	33°, 79%, 56%
XYZ	15.2193, 13.4973, 3.0356
YIQ	99.8820, 49.7020, -8.6820

# Conversions

## Conversions Part 2

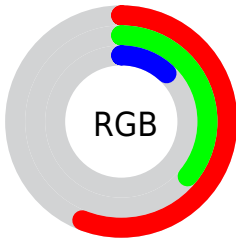
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 142, 30
Decimal	9329694
CIE Lab	43.50, 15.03, 41.95
CIE LCh	44, 44.560, 70.284
Yxy	13.4973, 0.4793, 0.4251
Android (android.graphics.Color)	4287519774 (0xFF8E5C1E)
YUV	99.8820, -34.4518, 36.9375
Hunter-Lab	36.7386, 9.6526, 20.8181

# Details

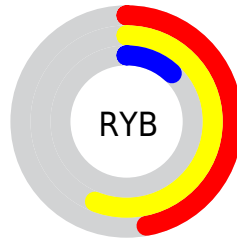
The YIQ color **99.8820, 49.7020, -8.6820** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **72.1180, -49.7020, 8.6820**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.1600, 54.7910, -7.2970**, and **53.0150, 39.2020, -5.6140** is the 20% darker color. If you saturate the color by 10%, you get **94.7640, 55.8460, -9.8980**, and if you desaturate by 10%, it is **105.0000, 43.5580, -7.4660**.

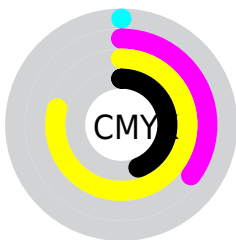
# Distribution



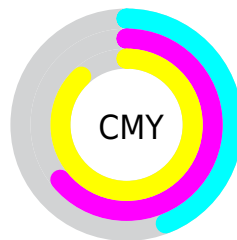
- Red (56%)
- Green (36%)
- Blue (12%)



- Red (47%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (35%)
- Yellow (79%)
- Black (44%)



- Cyan (44%)
- Magenta (64%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8820, 49.7020, -8.6820 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 99.8820, 49.7020, -8.6820 by changing the saturation by 10% instead.



■ 99.8820, 49.7020,  
-8.6820

■ 99.8820, 49.7020,  
-8.6820

■ 255.0000, -0.0000,  
-0.0000

■ 74.3440, 48.2810,  
-10.4630

■ 152.1600, 54.7910,  
-7.2970

■ 53.0150, 39.2020,  
-5.6140

■ 179.5300, 56.6250,  
-7.4950

■ 32.6150, 28.8850,  
-0.3550

■ 206.1170, 56.3500,  
-8.0180

■ 10.7640, 21.4560,  
7.6320

■ 225.5170, 40.3040,  
-14.5760

■ 0.0000, 0.0000,  
0.0000

■ 245.6180, 23.6620,  
-21.3460

■ 249.9840, 14.1240,

-13.6840

253.2900, 4.8150,  
-4.6650

99.8820, 49.7020,  
-8.6820

99.8820, 49.7020,  
-8.6820

94.7640, 55.8460,  
-9.8980

105.0000, 43.5580,  
-7.4660

89.0590, 62.2650,  
-10.5910

110.7050, 37.1390,  
-6.7730

88.8310, 62.9070,  
-11.2130

115.9370, 30.6740,  
-5.2460

121.0550, 24.5300,  
-4.0300

126.7600, 18.1110,  
-3.3370

■ 131.8780, 11.9670,  
-2.1210

■ 136.9960, 5.8230,  
-0.9050

■ 142.8150, -0.9170,  
0.0990

■ 147.9330, -7.0610,  
1.3150

# Harmonies

## Analogous

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



100.7330, 58.2720, 12.2240



99.8820, 49.7020, -8.6820



97.0330, 29.6230, -24.7530

# Triad

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



99.8820, 49.7020, -8.6820



84.1370, -70.1900, -27.5180



105.9610, -3.1230, 29.0770

# Complementary

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



99.8820, 49.7020, -8.6820



72.1180, -49.7020, 8.6820

# 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.



96.3720, -53.2330, 12.1030



99.8820, 49.7020, -8.6820



86.9530, -80.8750, -15.5870

# Square

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



99.8820, 49.7020, -8.6820



78.5170, -57.1210, -38.6010



85.9390, -86.2870, -5.6070



104.5000, 32.0880, 35.2240



# Rectangle

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



99.8820, 49.7020, -8.6820



94.4480, 9.2210, -29.4590



85.9390, -86.2870, -5.6070



104.4260, -17.7940, 25.1340

# Sweetspot

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



99.8820, 49.7020, -8.6820



167.2440, 19.6240, -3.2240



69.1880, 50.7020, 39.2940



81.8780, 11.9670, -2.1210



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



99.8820, 49.7020, -8.6820



118.2640, 77.6250, -13.6310



127.4380, 32.3760, -36.1040



68.4410, 3.0720, -0.6080



84.3900, 59.8350, -10.6050



4.7400, 3.6680, -0.3960



# Inverse Universe

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



72.1180, -49.7020, 8.6820



74.7360, -77.6250, 13.6310



44.5620, -32.3760, 36.1040



66.5590, -3.0720, 0.6080



50.6100, -59.8350, 10.6050



2.6730, -3.3930, 0.9190



# Previews

## White Background



This preview shows how the YIQ color 99.8820, 49.7020, -8.6820 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 99.8820, 49.7020, -8.6820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

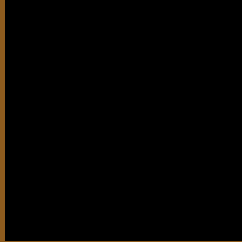
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 99.8820, 49.7020, -8.6820**

## **Background**



This preview shows how black text looks on a background with the YIQ color 99.8820, 49.7020, -8.6820.



This preview shows how white text looks on a background with the YIQ color 99.8820, 49.7020,

-8.6820.

# 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

99.8820, 49.7020, -8.6820

### Protanopia

98.9070, 30.2180, -19.0140

### Deuteranopia

99.5880, 41.5420, -14.9860



## Tritanopia

104.3250, 33.2380, 14.3740

# Trichromacy



## Original Color

99.8820, 49.7020, -8.6820

## Protanomaly

99.1360, 37.0030, -15.3250

## Deuteranomaly

99.7240, 44.1550, -12.7810

## Tritanomaly

102.5780, 39.4750, 5.9630

# Monochromacy



## Original Color

99.8820, 49.7020, -8.6820

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

99.8740, 17.7900, -3.0260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.8820, 49.7020, -8.6820 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(142, 92, 30)` looks like.

```
.text, #text, p{  
    color:rgb(142, 92, 30)  
}
```

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(142, 92, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 92, 30) }
```

## Border

The CSS property to change the border of an element to YIQ 99.8820, 49.7020, -8.6820 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(142, 92, 30) }
```



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

```
.border{ border-color:rgb(142, 92, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 92, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 92, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 92, 30);  
box-shadow:4px 4px 4px 4px rgb(142, 92,  
30) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.8820, 49.7020, -8.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 92, 30) }
```

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

```
.background{ background-color: rgb(142, 92,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor