

# Converting Colors

YIQ(93.8830, -11.6510, 29.4450)

Have a look what the booklet for  
YIQ(93.8830, -11.6510, 29.4450)  
contains.

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# Color

**YIQ(93.8830, -11.6510,  
29.4450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	654E9D
RGB	101, 78, 157
RGB Percent	40%, 31%, 62%
CMY	0.6038, 0.6941, 0.3844
CMYK	0.36, 0.50, 0.00, 0.38
HSL	257°, 34%, 46%
HSV	258°, 50%, 62%
XYZ	14.1770, 10.6491, 33.1943
YIQ	93.8830, -11.6510, 29.4450

# Conversions

## Conversions Part 2

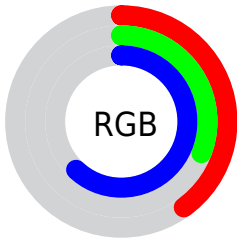
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 78, 157
Decimal	6639261
CIE <sub>Lab</sub>	38.98, 28.17, -39.81
CIE <sub>LCh</sub>	39, 48.767, 305.286
Yxy	10.6491, 0.2443, 0.1835
Android (android.graphics.Color)	4284829341 (0xFF654E9D)
YUV	93.8830, 31.1167, 6.2416
Hunter-Lab	32.6329, 20.4397, -37.4670

# Details

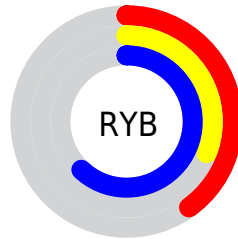
The YIQ color **93.8830, -11.6510, 29.4450** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **141.1170, 11.6510, -29.4450**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.6490, -10.8720, 31.8480**, and **45.9920, -13.5760, 25.7840** is the 20% darker color. If you saturate the color by 10%, you get **81.2020, -13.8070, 35.4810**, and if you desaturate by 10%, it is **106.5640, -9.4950, 23.4090**.

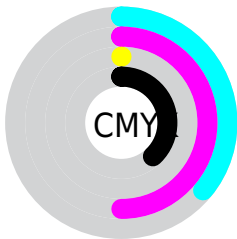
# Distribution



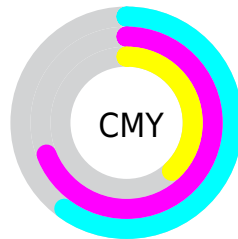
- Red (40%)
- Green (31%)
- Blue (62%)



- Red (40%)
- Yellow (31%)
- Blue (62%)



- Cyan (36%)
- Magenta (50%)
- Yellow (0%)
- Black (38%)



- Cyan (60%)
- Magenta (69%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.8830, -11.6510, 29.4450 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 93.8830, -11.6510, 29.4450 by changing the saturation by 10% instead.



■ 93.8830, -11.6510,  
29.4450

■ 93.8830, -11.6510,  
29.4450

■ 255.0000, -0.0000,  
-0.0000

■ 69.6440, -12.4760,  
27.8760

■ 145.6490,  
-10.8720, 31.8480

■ 45.9920, -13.5760,  
25.7840

■ 172.2900,  
-11.2390, 32.9930

■ 22.1550, -15.5930,  
23.7910

■ 198.4060, -5.8740,  
29.3740

■ 6.4980, -18.2970,  
17.7270

■ 222.6270, 3.3890,  
21.1890

■ 5.0500, -11.4640,  
9.5280

■ 244.4340, 4.9500,  
9.4140

■ 1.0260, -2.8890,  
2.7990

■ 0.0000, 0.0000,

0.0000

■ 93.8830, -11.6510,  
29.4450

■ 93.8830, -11.6510,  
29.4450

■ 81.2020, -13.8070,  
35.4810

■ 106.5640, -9.4950,  
23.4090

■ 69.1080, -16.2380,  
40.9940

■ 118.6580, -7.0640,  
17.8960

■ 56.4270, -18.3940,  
47.0300

■ 131.3390, -4.9080,  
11.8600

■ 43.7460, -20.5500,  
53.0660

■ 144.3190, -2.1560,  
6.0360

■ 31.6520, -22.9810,  
58.5790

■ 156.4130, 0.2750,  
0.5230

■ 169.0940, 2.4310,  
-5.5130

■ 181.7750, 4.5870,  
-11.5490

■ 194.4560, 6.7430,  
-17.5850

■ 206.5500, 9.1740,  
-23.0980

# Harmonies

## Analogous

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



74.6720, -80.7410, 4.0190



93.8830, -11.6510, 29.4450



92.3520, 29.7490, 39.0690

# Triad

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



93.8830, -11.6510, 29.4450



87.3450, 55.7080, -7.3960



75.7420, -61.7080, -27.0520

# Complementary

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



93.8830, -11.6510, 29.4450



141.1170, 11.6510, -29.4450

# 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.



69.8940, -47.9970, -38.7570



93.8830, -11.6510, 29.4450



85.1000, 36.6840, -26.0680

# Square

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



93.8830, -11.6510, 29.4450



87.6350, 61.6640, 16.8320



80.7630, 3.7200, -34.3920



79.6010, -73.9520, -14.4000



# Rectangle

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



93.8830, -11.6510, 29.4450



88.8780, 48.6390, 38.1350



80.7630, 3.7200, -34.3920



74.1460, -57.2140, -31.4060

# Sweetspot

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



93.8830, -11.6510, 29.4450



179.2250, -4.5870, 11.5490



120.4650, -41.0340, -5.2420



87.5470, -2.7980, 6.6580



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



93.8830, -11.6510, 29.4450



106.3730, -18.3020, 45.3620



105.5440, 11.5930, 37.7130



72.5100, -1.3760, 2.9120



28.8600, -20.8710, 53.3770



2.9060, -2.4310, 5.5130



# Inverse Universe

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



108.0050, 29.1080, 34.1640



128.2820, 45.1060, 52.6100



129.4560, -11.5930, -37.7130



74.0760, 2.8420, 3.5620



54.2710, 52.8070, 61.7270

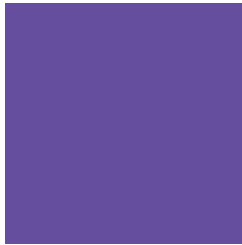


5.7390, 5.4090, 6.6010



# Previews

## White Background



This preview shows how the YIQ color 93.8830, -11.6510, 29.4450 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 93.8830, -11.6510, 29.4450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

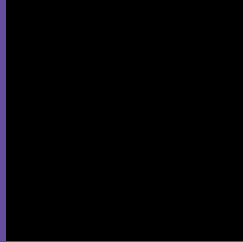
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 93.8830, -11.6510, 29.4450

## Background



This preview shows how black text looks on a background with the YIQ color 93.8830, -11.6510, 29.4450.



This preview shows how white text looks on a background with the YIQ color 93.8830, -11.6510,



# 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

93.8830, -11.6510, 29.4450

### Protanopia

86.9430, -47.4110, 16.7250

### Deuteranopia

87.0970, -45.2090, 9.8550



## Tritanopia

91.9010, -4.0350, 1.5410

# Trichromacy



## Original Color

93.8830, -11.6510, 29.4450

## Protanomaly

89.5210, -34.2990, 21.3890

## Deuteranomaly

89.9570, -32.8310, 16.8090

## Tritanomaly

92.5560, -7.0170, 11.5350

# Monochromacy



## Original Color

93.8830, -11.6510, 29.4450

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.9970, -3.9450, 10.9270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.8830, -11.6510, 29.4450 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(101, 78, 157)` looks like.

```
.text, #text, p{  
    color:rgb(101, 78, 157)  
}
```

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(101, 78, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 78, 157) }
```

## Border

The CSS property to change the border of an element to YIQ 93.8830, -11.6510, 29.4450 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(101, 78, 157) }
```



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

```
.border{ border-color:rgb(101, 78, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 78, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 78, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 78, 157); box-shadow:4px 4px 4px 4px rgb(101, 78, 157) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.8830, -11.6510, 29.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 78, 157) }
```

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

```
.background{ background-color: rgb(101, 78,  
157) }
```

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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