

# Converting Colors

YIQ(117.8170, -11.2850,  
33.8270)

Have a look what the booklet for  
YIQ(117.8170, -11.2850, 33.8270)  
contains.

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# Color

**YIQ(117.8170, -11.2850,  
33.8270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8063BC
RGB	128, 99, 188
RGB Percent	50%, 39%, 74%
CMY	0.4979, 0.6118, 0.2629
CMYK	0.32, 0.47, 0.00, 0.26
HSL	260°, 40%, 56%
HSV	260°, 47%, 74%
XYZ	22.4415, 17.1427, 49.6866
YIQ	117.8170, -11.2850, 33.8270

# Conversions

## Conversions Part 2

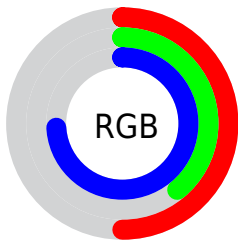
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 99, 188
Decimal	8414140
CIE <sub>Lab</sub>	48.44, 31.28, -42.88
CIE <sub>LCh</sub>	48, 53.072, 306.113
Yxy	17.1427, 0.2514, 0.1920
Android (android.graphics.Color)	4286604220 (0xFF8063BC)
YUV	117.8170, 34.6002, 8.9305
Hunter-Lab	41.4037, 24.2937, -42.1686

# Details

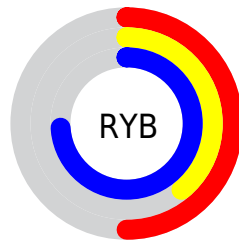
The YIQ color **117.8170, -11.2850, 33.8270** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **169.1830, 11.2850, -33.8270**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.6970, -10.8270, 36.5410**, and **67.6380, -12.3390, 30.9010** is the 20% darker color. If you saturate the color by 10%, you get **102.7770, -13.8080, 41.0080**, and if you desaturate by 10%, it is **132.8570, -8.7620, 26.6460**.

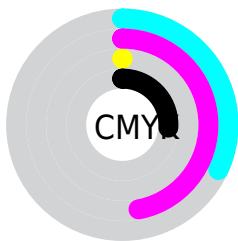
# Distribution



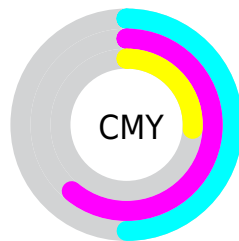
- Red (50%)
- Green (39%)
- Blue (74%)



- Red (50%)
- Yellow (39%)
- Blue (74%)



- Cyan (32%)
- Magenta (47%)
- Yellow (0%)
- Black (26%)



- Cyan (50%)
- Magenta (61%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8170, -11.2850, 33.8270 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 117.8170, -11.2850, 33.8270 by changing the saturation by 10% instead.



■ 117.8170,  
-11.2850, 33.8270

■ 117.8170,  
-11.2850, 33.8270

■ 255.0000, -0.0000,  
-0.0000

■ 92.5780, -12.1100,  
32.2580

■ 170.6970,  
-10.8270, 36.5410

■ 67.6380, -12.3390,  
30.9010

■ 196.3570, -4.1780,  
31.6780

■ 43.9860, -13.4390,  
28.8090

■ 221.4640, 5.4060,  
23.1820

■ 19.5510, -16.6480,  
26.3920

■ 242.0860, 6.0500,  
11.5060

■ 6.8400, -19.2600,  
18.6600

■ 5.3920, -12.4270,  
10.4610

■ 2.1830, -4.7690,

3.8310

■ 0.0000, 0.0000,  
0.0000

■ 117.8170,  
-11.2850, 33.8270

■ 117.8170,  
-11.2850, 33.8270

■ 102.7770,  
-13.8080, 41.0080

■ 132.8570, -8.7620,  
26.6460

■ 88.0360, -15.7350,  
48.4010

■ 147.5980, -6.8350,  
19.2530

■ 73.5830, -18.5330,  
55.0590

■ 162.0510, -4.0370,  
12.5950

■ 58.5430, -21.0560,  
62.2400

■ 177.0910, -1.5140,  
5.4140

■ 43.8020, -22.9830,  
69.6330

■ 191.8320, 0.4130,  
-1.9790

■ 39.6710, -23.9920,  
71.4000

■ 206.8720, 2.9360,  
-9.1600

■ 221.9120, 5.4590,  
-16.3410

■ 236.0660, 7.6610,  
-23.2110

■ 243.4750, 13.7590,  
-23.5930

# Harmonies

## Analogous

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



92.0490, -97.9800, 2.5640



117.8170, -11.2850, 33.8270



116.3250, 34.3790, 43.2670

# Triad

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



117.8170, -11.2850, 33.8270



110.9390, 62.7230, -7.8770



93.8540, -76.8830, -32.8750

# Complementary

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



117.8170, -11.2850, 33.8270



169.1830, 11.2850, -33.8270

# 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.



87.4360, -61.5670, -46.1350



117.8170, -11.2850, 33.8270



107.4610, 42.7370, -31.1430

# Square

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



117.8170, -11.2850, 33.8270



111.7670, 70.1000, 18.1320



103.0570, 2.7120, -38.1520



98.2830, -90.7320, -18.6680



# Rectangle

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



117.8170, -11.2850, 33.8270



113.1070, 55.4240, 41.8240



103.0570, 2.7120, -38.1520



92.1440, -72.0680, -37.5400

# Sweetspot

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



117.8170, -11.2850, 33.8270



218.1650, -4.3580, 12.9060



144.9530, -45.3440, -4.2240



106.0740, -2.8440, 7.4920



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



117.8170, -11.2850, 33.8270



134.7140, -17.5240, 53.2920



130.9730, 14.9390, 43.1550



86.9230, -1.1010, 3.4350



33.5600, -19.7260, 60.1620



6.5240, -3.9910, 11.7610



# Inverse Universe

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



132.4510, 33.7840, 37.5280



157.5760, 53.2660, 58.9140



156.0270, -14.9390, -43.1550



88.3750, 3.4380, 3.7740



59.3260, 60.1420, 66.4620



11.6630, 11.7350, 13.1030



# Previews

## White Background



This preview shows how the YIQ color 117.8170, -11.2850, 33.8270 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 117.8170, -11.2850, 33.8270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

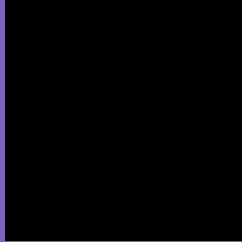
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 117.8170, -11.2850, 33.8270

## Background



This preview shows how black text looks on a background with the YIQ color 117.8170, -11.2850, 33.8270.



This preview shows how white text looks on a background with the YIQ color 117.8170, -11.2850, 33.8270.



# 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

117.8170, -11.2850, 33.8270

### Protanopia

110.9690, -50.3000, 19.5240

### Deuteranopia

110.9060, -45.9890, 12.9790



## Tritanopia

115.3250, -2.2930, 3.0110

# Trichromacy



## Original Color

117.8170, -11.2850, 33.8270

## Protanomaly

113.2590, -36.3170, 24.9230

## Deuteranomaly

113.1790, -33.3360, 20.4560

## Tritanomaly

116.6210, -5.6420, 14.1500

# Monochromacy



## Original Color

117.8170, -11.2850, 33.8270

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.9370, -3.7160, 12.2840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.8170, -11.2850, 33.8270 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(128, 99, 188)` looks like.

```
.text, #text, p{  
    color:rgb(128, 99, 188)  
}
```

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(128, 99, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 99, 188) }
```

## Border

The CSS property to change the border of an element to YIQ 117.8170, -11.2850, 33.8270 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(128, 99, 188) }
```



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

```
.border{ border-color:rgb(128, 99, 188) }
```

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

Here you see how a box with a 4 pixel rgb(128, 99, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 99, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 99, 188);  
box-shadow:4px 4px 4px 4px rgb(128, 99,  
188) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.8170, -11.2850, 33.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 99, 188) }
```

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

```
.background{ background-color: rgb(128, 99,  
188) }
```

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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