

# Converting Colors

YIQ(114.7830, -4.7770, 48.0470)

Have a look what the booklet for  
YIQ(114.7830, -4.7770, 48.0470)  
contains.

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# Color

**YIQ(114.7830, -4.7770,  
48.0470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C55CA
RGB	140, 85, 202
RGB Percent	55%, 33%, 79%
CMY	0.4508, 0.6667, 0.2080
CMYK	0.31, 0.58, 0.00, 0.21
HSL	268°, 52%, 56%
HSV	268°, 58%, 79%
XYZ	24.7280, 16.3363, 57.7097
YIQ	114.7830, -4.7770, 48.0470

# Conversions

## Conversions Part 2

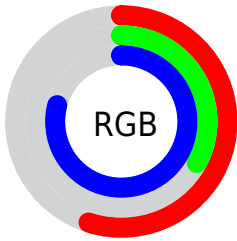
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 85, 202
Decimal	9197002
CIE <sub>Lab</sub>	47.41, 45.86, -52.52
CIE <sub>LCh</sub>	47, 69.728, 311.127
Yxy	16.3363, 0.2503, 0.1654
Android (android.graphics.Color)	4287387082 (0xFF8C55CA)
YUV	114.7830, 42.9980, 22.1153
Hunter-Lab	40.4182, 38.4752, -56.3623

# Details

The YIQ color **114.7830, -4.7770, 48.0470** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **172.2170, 4.7770, -48.0470**, and the grayscale version is **114.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **168.3920, -2.1180, 49.4180**, and **62.7180, -6.1520, 45.4320** is the 20% darker color. If you saturate the color by 10%, you get **99.7540, -5.8330, 56.1750**, and if you desaturate by 10%, it is **129.8120, -3.7210, 39.9190**.

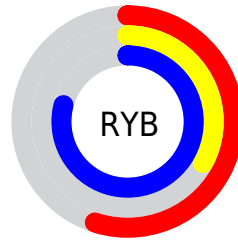
# Distribution



Red (55%)

Green (33%)

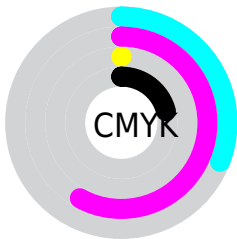
Blue (79%)



Red (55%)

Yellow (33%)

Blue (79%)

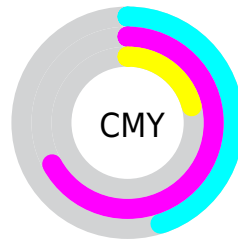


Cyan (31%)

Magenta (58%)

Yellow (0%)

Black (21%)



Cyan (45%)

Magenta (67%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.7830, -4.7770, 48.0470 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 114.7830, -4.7770, 48.0470 by changing the saturation by 10% instead.



■ 114.7830, -4.7770,  
48.0470

■ 114.7830, -4.7770,  
48.0470

■ 255.0000, -0.0000,  
-0.0000

■ 88.5440, -5.6020,  
46.4780

■ 168.3920, -2.1180,  
49.4180

■ 62.7180, -6.1520,  
45.4320

■ 192.9120, 7.7410,  
41.4450

■ 34.3590, -6.5190,  
46.5770

■ 217.4320, 17.6000,  
33.4720

■ 18.9030, -14.4030,  
35.2690

■ 234.4550, 9.6250,  
18.3050

■ 8.0940, -22.7910,  
22.0810

■ 251.4780, 1.6500,  
3.1380

■ 7.7060, -16.1870,  
12.5250

■ 3.5510, -8.6210,

7.5630

■ 0.0000, 0.0000,  
0.0000

■ 114.7830, -4.7770,  
48.0470

■ 114.7830, -4.7770,  
48.0470

■ 99.7540, -5.8330,  
56.1750

■ 129.8120, -3.7210,  
39.9190

■ 85.0240, -6.2930,  
64.5150

■ 144.5420, -3.2610,  
31.5790

■ 69.4080, -7.0740,  
73.1660

■ 160.1580, -2.4800,  
22.9280

■ 54.3790, -8.1300,  
81.2940

■ 175.1870, -1.4240,  
14.8000

■ 51.4330, -8.2220,  
82.9620

■ 190.2160, -0.3680,  
6.6720

■ 204.9460, 0.0920,  
-1.6680

■ 219.9750, 1.1480,  
-9.7960

■ 235.5910, 1.9290,  
-18.4470

■ 243.2770, 5.6890,  
-20.5110

# Harmonies

## Analogous

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



92.4370, -104.5840, 12.1200



114.7830, -4.7770, 48.0470



105.5810, 54.8700, 62.8860

# Triad

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



114.7830, -4.7770, 48.0470



105.9860, 72.5360, -15.0160



96.2820, -80.9640, -30.5000

# Complementary

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



114.7830, -4.7770, 48.0470



172.2170, 4.7770, -48.0470

# 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.



88.0400, -60.5120, -48.7360



114.7830, -4.7770, 48.0470



103.6620, 37.5570, -36.3870

# Square

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



114.7830, -4.7770, 48.0470



102.4720, 90.0440, 20.1240



89.1780, -8.6550, -57.9270



101.9650, -98.3440, -12.8720



# Rectangle

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



114.7830, -4.7770, 48.0470



96.2280, 80.7290, 62.3050



89.1780, -8.6550, -57.9270



93.3010, -73.9480, -36.5080

# Sweetspot

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



114.7830, -4.7770, 48.0470



222.8820, -1.8830, 17.6130



134.7320, -54.6070, 3.9610



108.5520, -1.1940, 10.6300



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



114.7830, -4.7770, 48.0470



122.4080, -7.0740, 73.1660



132.1250, 29.7910, 60.3430



94.6350, -0.2300, 4.1700



42.2460, -6.7980, 68.1620



9.7140, -1.4700, 15.6340



# Inverse Universe

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



127.0510, 49.8300, 44.0860



140.9380, 75.9140, 66.9700



154.8750, -29.7910, -60.3430



95.5600, 4.3550, 3.6750



59.6660, 70.6880, 62.5600

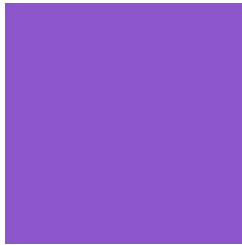


13.6420, 16.2280, 14.2760



# Previews

## White Background



This preview shows how the YIQ color 114.7830, -4.7770, 48.0470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

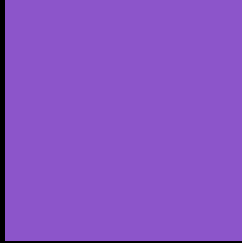
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 114.7830, -4.7770, 48.0470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

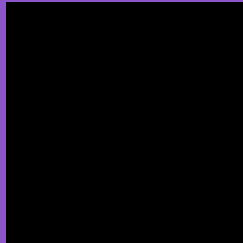
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 114.7830, -4.7770, 48.0470**

## **Background**



This preview shows how black text looks on a background with the YIQ color 114.7830, -4.7770, 48.0470.



This preview shows how white text looks on a background with the YIQ color 114.7830, -4.7770,



# 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

114.7830, -4.7770, 48.0470

### Protanopia

98.8310, -84.9620, 19.9500

### Deuteranopia

102.7170, -67.4460, 10.8740



## Tritanopia

113.8100, 6.6470, 6.1910

# Trichromacy



## Original Color

114.7830, -4.7770, 48.0470

## Protanomaly

104.4820, -55.7580, 30.3380

## Deuteranomaly

106.9530, -44.2030, 24.6690

## Tritanomaly

114.4420, 2.4720, 21.2880

# Monochromacy



## Original Color

114.7830, -4.7770, 48.0470

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

114.8820, -1.8830, 17.6130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.7830, -4.7770, 48.0470 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(140, 85, 202)` looks like.

```
.text, #text, p{  
    color:rgb(140, 85, 202)  
}
```

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(140, 85, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 85, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 114.7830, -4.7770, 48.0470 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(140, 85, 202) }
```



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

```
.border{ border-color:rgb(140, 85, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 85, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 85, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 85, 202);  
box-shadow:4px 4px 4px 4px rgb(140, 85,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.7830, -4.7770, 48.0470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 85, 202) }
```

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

```
.background{ background-color: rgb(140, 85,  
202) }
```

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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