

# Converting Colors

YIQ(119.8010, -48.7460,  
46.4380)

Have a look what the booklet for  
YIQ(119.8010, -48.7460, 46.4380)  
contains.

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# Color

**YIQ(119.8010, -48.7460,  
46.4380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6667FD
RGB	102, 103, 253
RGB Percent	40%, 40%, 99%
CMY	0.5999, 0.5961, 0.0082
CMYK	0.60, 0.59, 0.00, 0.01
HSL	240°, 97%, 70%
HSV	240°, 60%, 99%
XYZ	28.0495, 19.6136, 95.1700
YIQ	119.8010, -48.7460, 46.4380

# Conversions

## Conversions Part 2

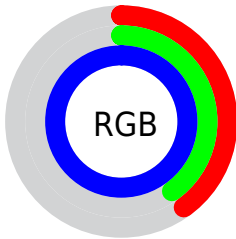
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	102, 103, 253
Decimal	6711293
CIE Lab	51.40, 42.38, -75.02
CIE LCh	51, 86.166, 299.463
Yxy	19.6136, 0.1964, 0.1373
Android (android.graphics.Color)	4284901373 (0xFF6667FD)
YUV	119.8010, 65.6671, -15.6115
Hunter-Lab	44.2873, 35.5509, -96.4087

# Details

The YIQ color **119.8010, -48.7460, 46.4380** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **235.1990, 48.7460, -46.4380**, and the grayscale version is **119.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.8030, -25.8650, 33.7430**, and **58.6900, -70.8430, 33.9010** is the 20% darker color. If you saturate the color by 10%, you get **97.6510, -56.7710, 54.2130**, and if you desaturate by 10%, it is **141.9510, -40.7210, 38.6630**.

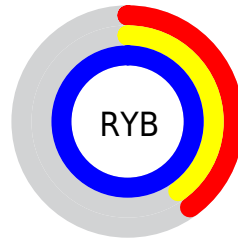
# Distribution



Red (40%)

Green (40%)

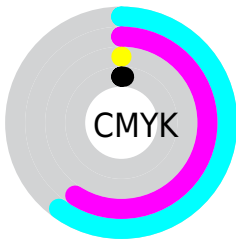
Blue (99%)



Red (40%)

Yellow (40%)

Blue (99%)

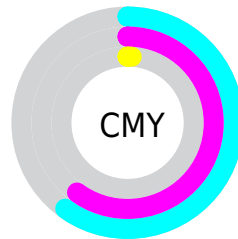


Cyan (60%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (60%)

Magenta (60%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 119.8010, -48.7460, 46.4380 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 119.8010, -48.7460, 46.4380 by changing the saturation by 10% instead.



■ 119.8010,  
-48.7460, 46.4380

■ 119.8010,  
-48.7460, 46.4380

■ 255.0000, -0.0000,  
-0.0000

■ 91.9420, -53.6970,  
42.5510

■ 168.8030,  
-25.8650, 33.7430

■ 58.6900, -70.8430,  
33.9010

■ 193.9210,  
-14.8140, 26.1940

■ 38.9960, -62.9570,  
34.1550

■ 219.3270, -4.6340,  
17.9100

■ 24.7650, -49.0650,  
35.6950

■ 244.4340, 4.9500,  
9.4140

■ 12.9960, -36.5940,  
35.4540

■ 14.7280, -30.4480,  
23.1840

■ 11.2910, -22.1480,

15.9320

■ 6.4350, -13.9860,  
11.1820

■ 2.6390, -6.0530,  
5.0750

■ 119.8010,  
-48.7460, 46.4380

■ 119.8010,  
-48.7460, 46.4380

■ 97.6510, -56.7710,  
54.2130

■ 141.9510,  
-40.7210, 38.6630

■ 75.2020, -65.3920,  
61.7760

■ 164.4000,  
-32.1000, 31.1000

■ 53.0520, -73.4170,  
69.5510

■ 186.5500,  
-24.0750, 23.3250

■ 30.3150, -81.1670,  
77.8490

■ 209.2870,  
-16.3250, 15.0270

■ 30.0160, -81.7630,  
77.6370

■ 231.4370, -8.3000,  
7.2520

■ 253.8860, 0.3210,  
-0.3110

■ 254.7720, 0.6420,  
-0.6220

# Harmonies

## Analogous

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



107.1410, -118.4300, 9.7460



119.8010, -48.7460, 46.4380



114.2170, 44.8720, 78.8880

# Triad

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



119.8010, -48.7460, 46.4380



112.0760, 99.1260, -1.3060



102.7900, -79.9990, -42.4870

# Complementary

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



119.8010, -48.7460, 46.4380



235.1990, 48.7460, -46.4380

# 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.



91.0940, -52.5770, -65.8970



119.8010, -48.7460, 46.4380



114.7030, 56.6750, -30.4370

# Square

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



119.8010, -48.7460, 46.4380



93.2920, 118.2350, 54.3870



103.4310, 6.7500, -56.2740



111.9270, -104.3490, -19.6850



# Rectangle

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



119.8010, -48.7460, 46.4380



88.1910, 92.4600, 97.5160



103.4310, 6.7500, -56.2740



99.2390, -71.3780, -50.0500

# Sweetspot

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



119.8010, -48.7460, 46.4380



214.2440, -14.7660, 14.3060



207.5090, -89.0330, -32.9450



102.8930, -9.5840, 8.4960



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.



119.8010, -48.7460, 46.4380



93.1500, -59.6140, 56.1780



141.0410, -4.9630, 62.4370



116.4820, -4.1730, 4.0430



22.3610, -61.5860, 58.8780



7.2960, -20.5440, 19.9040



# Inverse Universe

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



147.2630, 89.6750, 32.3230



126.2440, 109.0220, 39.6300



213.9590, 4.9630, -62.4370



118.8870, 7.7480, 2.7560



57.2230, 113.5150, 40.8030

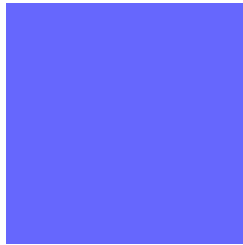


19.1360, 38.1440, 13.5680



# Previews

## White Background



This preview shows how the YIQ color 119.8010, -48.7460, 46.4380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

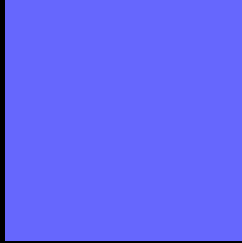
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 119.8010, -48.7460, 46.4380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

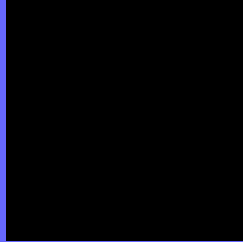
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 119.8010, -48.7460, 46.4380

## Background



This preview shows how black text looks on a background with the YIQ color 119.8010, -48.7460, 46.4380.



This preview shows how white text looks on a background with the YIQ color 119.8010, -48.7460,



# 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

119.8010, -48.7460, 46.4380

### Protanopia

97.0650, -112.1040, 16.2480

### Deuteranopia

97.8850, -103.3900, 1.4900



## Tritanopia

110.3340, -51.2110, -13.5390

# Trichromacy



## Original Color

119.8010, -48.7460, 46.4380

## Protanomaly

105.3070, -88.9980, 27.0180

## Deuteranomaly

105.8480, -83.6320, 17.8720

## Tritanomaly

113.8190, -50.2980, 8.4700

# Monochromacy



## Original Color

119.8010, -48.7460, 46.4380

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

119.8570, -17.9300, 16.5820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 119.8010, -48.7460, 46.4380 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(102, 103, 253)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 253)  
}
```

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(102, 103, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 253) }
```

## Border

The CSS property to change the border of an element to YIQ 119.8010, -48.7460, 46.4380 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(102, 103, 253) }
```



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

```
.border{ border-color:rgb(102, 103, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 103, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 253);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
253) }
```

# Background

The CSS property to change the background color of an element to YIQ 119.8010, -48.7460, 46.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 253) }
```

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

```
.background{ background-color: rgb(102,  
103, 253) }
```

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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