

# Converting Colors

YIQ(122.1290, -47.0940,  
38.5220)

Have a look what the booklet for  
YIQ(122.1290, -47.0940, 38.5220)  
contains.

<b>YIQ(122.1290, -47.0940, 38.5220)</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(122.1290, -47.0940,  
38.5220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	656EF0
RGB	101, 110, 240
RGB Percent	40%, 43%, 94%
CMY	0.6038, 0.5686, 0.0591
CMYK	0.58, 0.54, 0.00, 0.06
HSL	236°, 82%, 67%
HSV	236°, 58%, 94%
XYZ	26.6622, 20.2072, 84.8761
YIQ	122.1290, -47.0940, 38.5220

# Conversions

## Conversions Part 2

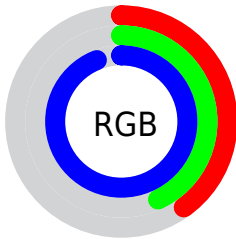
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	101, 109, 240
Decimal	6647536
CIE Lab	52.07, 33.90, -66.70
CIE LCh	52, 74.822, 296.940
Yxy	20.2072, 0.2024, 0.1534
Android (android.graphics.Color)	4284837616 (0xFF656EF0)
YUV	122.1290, 58.1104, -18.5301
Hunter-Lab	44.9525, 27.2050, -80.4805

# Details

The YIQ color **122.1290, -47.0940, 38.5220** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **218.8710, 47.0940, -38.5220**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **172.6020, -29.8530, 28.9230**, and **64.7200, -62.3600, 28.8400** is the 20% darker color. If you saturate the color by 10%, you get **102.0390, -55.3480, 44.9400**, and if you desaturate by 10%, it is **142.2190, -38.8400, 32.1040**.

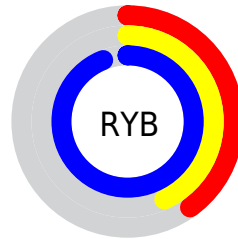
# Distribution



Red (40%)

Green (43%)

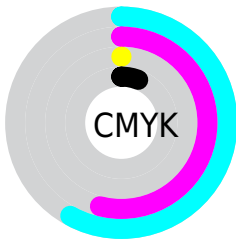
Blue (94%)



Red (40%)

Yellow (43%)

Blue (94%)

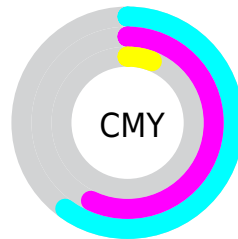


Cyan (58%)

Magenta (54%)

Yellow (0%)

Black (6%)



Cyan (60%)

Magenta (57%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.1290, -47.0940, 38.5220 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 122.1290, -47.0940, 38.5220 by changing the saturation by 10% instead.



■ 122.1290,  
-47.0940, 38.5220

■ 122.1290,  
-47.0940, 38.5220

■ 255.0000, -0.0000,  
-0.0000

■ 94.8680, -50.8530,  
35.0590

■ 172.6020,  
-29.8530, 28.9230

■ 64.7200, -62.3600,  
28.8400

■ 197.4210,  
-19.3980, 21.1620

■ 41.7370, -61.0300,  
26.7620

■ 222.2400, -8.9430,  
13.4010

■ 27.6200, -47.4590,  
28.6130

■ 248.5320, 1.5580,  
4.8060

■ 11.7420, -33.0630,  
32.0330

■ 14.7620, -27.7880,  
19.0280

■ 9.0910, -18.7090,

14.1790

■ 4.8220, -10.8220,  
8.9060

■ 0.3420, -0.9630,  
0.9330

■ 122.1290,  
-47.0940, 38.5220

■ 122.1290,  
-47.0940, 38.5220

■ 102.0390,  
-55.3480, 44.9400

■ 142.2190,  
-38.8400, 32.1040

■ 81.3620, -63.3270,  
51.8810

■ 162.8960,  
-30.8610, 25.1630

■ 61.2720, -71.5810,  
58.2990

■ 182.9860,  
-22.6070, 18.7450

■ 40.5950, -79.5600,  
65.2400

■ 203.6630,  
-14.6280, 11.8040

■ 36.7520, -81.4400,  
66.2720

■ 223.7530, -6.3740,  
5.3860

■ 244.4300, 1.6050,  
-1.5550

■ 253.2900, 4.8150,  
-4.6650

# Harmonies

## Analogous

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



108.2010, -118.6590, 8.3890



122.1290, -47.0940, 38.5220



123.3750, 32.0830, 62.8590

# Triad

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



122.1290, -47.0940, 38.5220



114.1140, 95.9630, -4.5570



101.7470, -78.4400, -43.2080

# Complementary

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



122.1290, -47.0940, 38.5220



218.8710, 47.0940, -38.5220

# 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.



91.6470, -55.5120, -62.2640



122.1290, -47.0940, 38.5220



116.4970, 60.2510, -29.1650

# Square

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



122.1290, -47.0940, 38.5220



109.4480, 99.7600, 42.2880



108.5250, 18.3490, -51.7230



109.8580, -99.9010, -23.2050



# Rectangle

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



122.1290, -47.0940, 38.5220



113.1100, 69.6780, 69.8540



108.5250, 18.3490, -51.7230



98.6520, -71.1030, -49.5270

# Sweetspot

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



122.1290, -47.0940, 38.5220



218.0760, -14.3530, 12.3270



197.4130, -79.9550, -32.2670



106.1380, -8.8960, 7.0400



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.



122.1290, -47.0940, 38.5220



105.5210, -59.5210, 48.9830



134.7860, -8.8590, 55.9490



109.9550, -4.1270, 3.2090



28.0200, -62.3640, 50.9480



8.7320, -19.0760, 15.3240



# Inverse Universe

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



143.5870, 79.9550, 32.2670



132.8780, 101.3650, 40.7330



206.2140, 8.8590, -55.9490



111.7020, 6.8310, 2.8550



56.3840, 105.8120, 42.7400

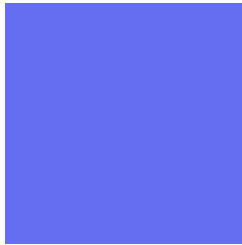


17.2000, 32.0920, 13.1160



# Previews

## White Background



This preview shows how the YIQ color 122.1290, -47.0940, 38.5220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

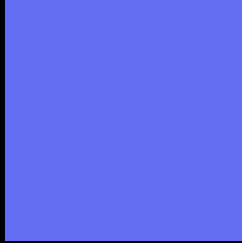
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.1290, -47.0940, 38.5220 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 122.1290, -47.0940, 38.5220

## Background



This preview shows how black text looks on a background with the YIQ color 122.1290, -47.0940, 38.5220.



This preview shows how white text looks on a background with the YIQ color 122.1290, -47.0940,



# 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

122.1290, -47.0940, 38.5220

### Protanopia

106.7250, -96.2870, 21.4490

### Deuteranopia

99.1560, -105.5910, 2.8330



## Tritanopia

113.7260, -46.4430, -11.8430

# Trichromacy



## Original Color

122.1290, -47.0940, 38.5220

## Protanomaly

112.5810, -78.0860, 27.4980

## Deuteranomaly

107.4950, -84.1360, 15.9920

## Tritanomaly

116.6190, -46.8590, 6.7170

# Monochromacy



## Original Color

122.1290, -47.0940, 38.5220

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.1620, -17.4710, 13.7690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.1290, -47.0940, 38.5220 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, 110, 240)` looks like.

```
.text, #text, p{  
    color:rgb(101, 110, 240)  
}
```

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, 110, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 110, 240) }
```

## Border

The CSS property to change the border of an element to YIQ 122.1290, -47.0940, 38.5220 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, 110, 240) }
```



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

```
.border{ border-color:rgb(101, 110, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 110, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 110, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 110, 240);  
box-shadow:4px 4px 4px 4px rgb(101, 110,  
240) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.1290, -47.0940, 38.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 110, 240) }
```

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

```
.background{ background-color: rgb(101,  
110, 240) }
```

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