

# Converting Colors

YIQ(112.8490, -4.0020, 72.5580)

Have a look what the booklet for  
YIQ(112.8490, -4.0020, 72.5580)  
contains.

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# Color

**YIQ(112.8490, -4.0020,  
72.5580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9A43F1
RGB	154, 67, 241
RGB Percent	60%, 26%, 95%
CMY	0.3957, 0.7374, 0.0551
CMYK	0.36, 0.72, 0.00, 0.06
HSL	270°, 86%, 60%
HSV	270°, 72%, 94%
XYZ	31.2182, 17.2365, 84.8706
YIQ	112.8490, -4.0020, 72.5580

# Conversions

## Conversions Part 2

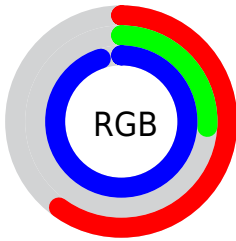
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 67, 241
Decimal	10109937
CIELab	48.56, 66.72, -72.76
CIElCh	49, 98.716, 312.521
Yxy	17.2365, 0.2342, 0.1293
Android (android.graphics.Color)	4288300017 (0xFF9A43F1)
YUV	112.8490, 63.1784, 36.0894
Hunter-Lab	41.5169, 61.5667, -92.1414

# Details

The YIQ color **112.8490, -4.0020, 72.5580** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **195.1510, 4.0020, -72.5580**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.6700, 12.1390, 60.8670**, and **49.0820, -3.0400, 77.1520** is the 20% darker color. If you saturate the color by 10%, you get **95.1730, -4.5540, 82.5660**, and if you desaturate by 10%, it is **130.5250, -3.4500, 62.5500**.

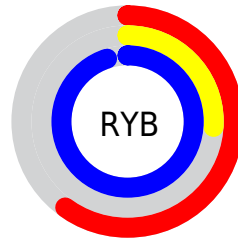
# Distribution



Red (60%)

Green (26%)

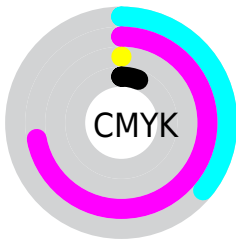
Blue (95%)



Red (60%)

Yellow (26%)

Blue (95%)

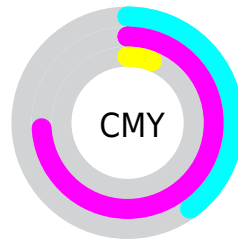


Cyan (36%)

Magenta (72%)

Yellow (0%)

Black (6%)



Cyan (40%)

Magenta (74%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 112.8490, -4.0020, 72.5580 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 112.8490, -4.0020, 72.5580 by changing the saturation by 10% instead.



112.8490, -4.0020,  
72.5580

112.8490, -4.0020,  
72.5580

255.0000, -0.0000,  
-0.0000

82.9630, -4.3230,  
72.8690

164.6700, 12.1390,  
60.8670

49.0820, -3.0400,  
77.1520

190.0760, 22.3190,  
52.5830

36.6210, -12.5280,  
61.8720

209.8010, 21.1750,  
40.2710

21.5830, -27.7010,  
44.9950

226.8240, 13.2000,  
25.1040

11.7420, -33.0630,  
32.0330

243.8470, 5.2250,  
9.9370

8.8920, -25.0380,  
24.2580

9.0910, -18.7090,

14.1790

■ 4.8220, -10.8220,  
8.9060

■ 0.3420, -0.9630,  
0.9330

■ 112.8490, -4.0020,  
72.5580

■ 112.8490, -4.0020,  
72.5580

■ 95.1730, -4.5540,  
82.5660

■ 130.5250, -3.4500,  
62.5500

■ 77.4970, -5.1060,  
92.5740

■ 148.2010, -2.8980,  
52.5420

■ 63.6530, -5.2450,  
100.6030

■ 165.8770, -2.3460,  
42.5340

■ 183.5530, -1.7940,  
32.5260

201.2290, -1.2420,  
22.5180

219.4920, -0.9650,  
11.9870

237.1680, -0.4130,  
1.9790

251.9090, 1.5140,  
-5.4140

253.4040, 4.4940,  
-4.3540

# Harmonies

## Analogous

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



97.1620, -113.7550, 18.6370



112.8490, -4.0020, 72.5580



88.8190, 84.9400, 101.6440

# Triad

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



112.8490, -4.0020, 72.5580



108.4110, 81.7050, -10.4790



103.3890, -88.5750, -30.2310

# Complementary

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



112.8490, -4.0020, 72.5580



195.1510, 4.0020, -72.5580

# 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.



91.3680, -58.8600, -56.6520



112.8490, -4.0020, 72.5580



104.7920, 31.1390, -41.2210

# Square

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



112.8490, -4.0020, 72.5580



78.1620, 132.6800, 40.3920



81.0060, -37.9500, -72.1740



112.3950, -113.9340, -5.6620



# Rectangle

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



112.8490, -4.0020, 72.5580



88.1160, 114.2400, 88.2560



81.0060, -37.9500, -72.1740



99.4960, -78.9910, -38.7270

# Sweetspot

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



112.8490, -4.0020, 72.5580



213.7560, -1.2880, 23.3520



137.9050, -79.7790, 8.6130



102.9590, -0.7820, 14.1780



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.



112.8490, -4.0020, 72.5580



91.4970, -5.1060, 92.5740



138.8620, 47.8500, 91.0020



111.1620, -0.2760, 5.0040



48.4840, -4.2320, 76.7280



14.7560, -1.2880, 23.3520



# Inverse Universe

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



128.9440, 75.7770, 63.9450



112.0320, 96.6810, 81.5850



169.1380, -47.8500, -91.0020



112.2720, 5.2260, 4.4100



65.5040, 80.1320, 67.6200

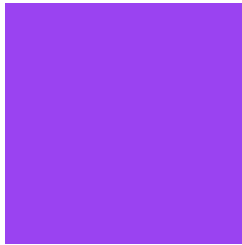


19.9360, 24.3880, 20.5800



# Previews

## White Background



This preview shows how the YIQ color 112.8490, -4.0020, 72.5580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

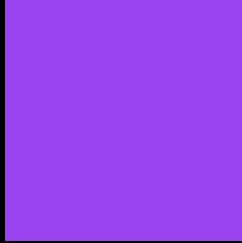
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 112.8490, -4.0020, 72.5580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

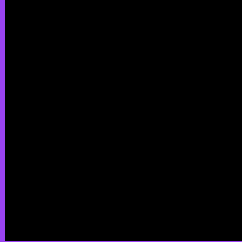
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 112.8490, -4.0020, 72.5580**

## **Background**



This preview shows how black text looks on a background with the YIQ color 112.8490, -4.0020, 72.5580.



This preview shows how white text looks on a background with the YIQ color 112.8490, -4.0020,



# 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

112.8490, -4.0020, 72.5580

### Protanopia

91.9470, -105.9600, 15.0320

### Deuteranopia

92.5220, -97.9340, 1.7300



## Tritanopia

116.5930, 8.7560, 6.5160

# Trichromacy



## Original Color

112.8490, -4.0020, 72.5580



## Protanomaly

99.5270, -68.8260, 35.8940



## Deuteranomaly

99.5950, -63.5060, 27.5820



## Tritanomaly

115.0220, 4.0750, 30.7870

# Monochromacy



## Original Color

112.8490, -4.0020, 72.5580



## Achromatopsia

113.0000, -0.0000, 0.0000



## Achromatomaly

112.8640, -1.4720, 26.6880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 112.8490, -4.0020, 72.5580 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(154, 67, 241)` looks like.

```
.text, #text, p{  
    color:rgb(154, 67, 241)  
}
```

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(154, 67, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 67, 241) }
```

## Border

The CSS property to change the border of an element to YIQ 112.8490, -4.0020, 72.5580 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(154, 67, 241) }
```



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

```
.border{ border-color:rgb(154, 67, 241) }
```

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

Here you see how a box with a 4 pixel rgb(154, 67, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 67, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 67, 241);  
box-shadow:4px 4px 4px 4px rgb(154, 67,  
241) }
```

# Background

The CSS property to change the background color of an element to YIQ 112.8490, -4.0020, 72.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 67, 241) }
```

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

```
.background{ background-color: rgb(154, 67,  
241) }
```

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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