

# Converting Colors

YIQ(158.6370, -1.4300, 47.9620)

Have a look what the booklet for  
YIQ(158.6370, -1.4300, 47.9620)  
contains.

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# Color

**YIQ(158.6370, -1.4300,  
47.9620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB80F2
RGB	187, 128, 242
RGB Percent	73%, 50%, 95%
CMY	0.2664, 0.4981, 0.0511
CMYK	0.23, 0.47, 0.00, 0.05
HSL	271°, 81%, 73%
HSV	271°, 47%, 95%
XYZ	44.2461, 32.4129, 87.9098
YIQ	158.6370, -1.4300, 47.9620

# Conversions

## Conversions Part 2

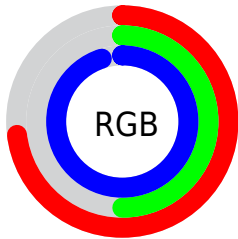
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">187, 128, 242</a>
Decimal	<a href="#">12288242</a>
CIELab	<a href="#">63.68, 44.05, -48.85</a>
CIELCh	<a href="#">64, 65.776, 312.043</a>
Yxy	<a href="#">32.4129, 0.2689, 0.1970</a>
Android (android.graphics.Color)	<a href="#">4290478322 (0xFFBB80F2)</a>
YUV	<a href="#">158.6370, 41.0980, 24.8744</a>
Hunter-Lab	<a href="#">56.9323, 39.0932, -51.6977</a>

# Details

The YIQ color **158.6370, -1.4300, 47.9620** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **211.3630, 1.4300, -47.9620**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **209.1590, 14.1150, 36.0590**, and **105.4580, -2.4840, 45.0360** is the 20% darker color. If you saturate the color by 10%, you get **140.9610, -1.9820, 57.9700**, and if you desaturate by 10%, it is **176.3130, -0.8780, 37.9540**.

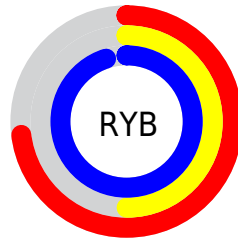
# Distribution



Red (73%)

Green (50%)

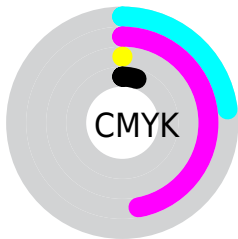
Blue (95%)



Red (73%)

Yellow (50%)

Blue (95%)

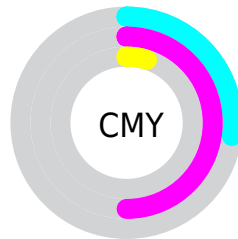


Cyan (23%)

Magenta (47%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (50%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 158.6370, -1.4300, 47.9620 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 158.6370, -1.4300, 47.9620 by changing the saturation by 10% instead.



158.6370, -1.4300,  
47.9620

158.6370, -1.4300,  
47.9620

255.0000, -0.0000,  
-0.0000

131.6970, -1.6590,  
46.6050

209.1590, 14.1150,  
36.0590

105.4580, -2.4840,  
45.0360

228.5850, 12.3750,  
23.5350

79.6320, -3.0340,  
43.9900

245.6080, 4.4000,  
8.3680

53.8060, -3.5840,  
42.9440

27.0340, -4.2260,  
43.5660

15.8120, -12.8890,  
29.8550

6.4980, -18.2970,

17.7270

■ 5.0500, -11.4640,  
9.5280

■ 0.9120, -2.5680,  
2.4880

■ 158.6370, -1.4300,  
47.9620

■ 158.6370, -1.4300,  
47.9620

■ 140.9610, -1.9820,  
57.9700

■ 176.3130, -0.8780,  
37.9540

■ 123.5840, -1.9380,  
68.1900

■ 193.6900, -0.9220,  
27.7340

■ 105.3210, -2.2150,  
78.7210

■ 211.9530, -0.6450,  
17.2030

■ 87.6450, -2.7670,  
88.7290

■ 229.6290, -0.0930,  
7.1950

■ 70.2680, -2.7230,  
98.9490

■ 247.0060, -0.1370,  
-3.0250

■ 64.9630, -3.1820,  
101.7620

■ 253.5180, 4.1730,  
-4.0430

# Harmonies

## Analogous

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



141.0070, -79.8260, 14.9740



158.6370, -1.4300, 47.9620



154.7070, 54.2750, 57.1470

# Triad

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



158.6370, -1.4300, 47.9620



148.0420, 78.1300, -17.2780



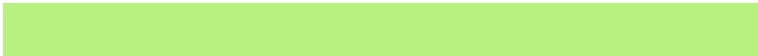
127.0120, -106.8670, -40.1390

# Complementary

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



158.6370, -1.4300, 47.9620



211.3630, 1.4300, -47.9620

# 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.



118.8840, -86.7360, -58.0640



158.6370, -1.4300, 47.9620



143.2960, 47.0950, -44.0490

# Square

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



158.6370, -1.4300, 47.9620



149.6630, 90.8240, 17.0000



136.5080, -9.3440, -50.9440



131.5210, -123.6970, -21.4650



# Rectangle

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



158.6370, -1.4300, 47.9620



150.0390, 76.4670, 51.4350



136.5080, -9.3440, -50.9440



124.7320, -100.4470, -46.3590

# Sweetspot

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



158.6370, -1.4300, 47.9620



228.7850, -0.2320, 15.2240



173.2810, -51.7190, 6.6890



111.7970, -0.5060, 9.1740



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.



158.6370, -1.4300, 47.9620



148.9550, -1.8450, 60.9950



174.8540, 31.9920, 59.0000



111.1620, -0.2760, 5.0040



49.3810, -2.4440, 77.3640



15.0550, -0.6920, 23.5640



# Inverse Universe

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



168.3560, 50.2890, 41.2730



161.3350, 63.9500, 52.5100



195.1460, -31.9920, -59.0000



112.2720, 5.2260, 4.4100



65.0480, 81.4160, 66.3760



19.8220, 24.7090, 20.2690



# Previews

## White Background



This preview shows how the YIQ color 158.6370, -1.4300, 47.9620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

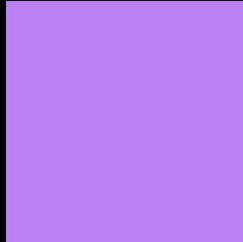
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 158.6370, -1.4300, 47.9620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

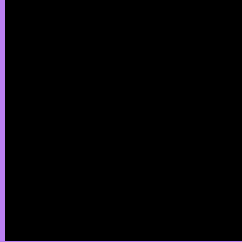
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 158.6370, -1.4300, 47.9620

## Background



This preview shows how black text looks on a background with the YIQ color 158.6370, -1.4300, 47.9620.



This preview shows how white text looks on a background with the YIQ color 158.6370, -1.4300,



# 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

158.6370, -1.4300, 47.9620

### Protanopia

151.1950, -56.6280, 24.0760

### Deuteranopia

151.2030, -51.0790, 17.1210



## Tritanopia

156.1420, 11.6440, 9.2440

# Trichromacy



## Original Color

158.6370, -1.4300, 47.9620

## Protanomaly

154.0020, -36.7310, 32.4290

## Deuteranomaly

154.2210, -33.1540, 28.1740

## Tritanomaly

156.9480, 6.9190, 23.2950

# Monochromacy



## Original Color

158.6370, -1.4300, 47.9620

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.9530, -0.6450, 17.2030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 158.6370, -1.4300, 47.9620 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(187, 128, 242)` looks like.

```
.text, #text, p{  
    color:rgb(187, 128, 242)  
}
```

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(187, 128, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 128, 242) }
```

## Border

The CSS property to change the border of an element to YIQ 158.6370, -1.4300, 47.9620 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(187, 128, 242) }
```



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

```
.border{ border-color:rgb(187, 128, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 128, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 128, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 128, 242);  
box-shadow:4px 4px 4px 4px rgb(187, 128,  
242) }
```

# Background

The CSS property to change the background color of an element to YIQ 158.6370, -1.4300, 47.9620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 128, 242) }
```

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

```
.background{ background-color: rgb(187,  
128, 242) }
```

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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