

# Converting Colors

YIQ(122.9500, 30.9410, 39.4930)

Have a look what the booklet for  
YIQ(122.9500, 30.9410, 39.4930)  
contains.

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# Color

**YIQ(122.9500, 30.9410,  
39.4930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1599C
RGB	177, 89, 156
RGB Percent	69%, 35%, 61%
CMY	0.3056, 0.6511, 0.3882
CMYK	0.00, 0.50, 0.12, 0.31
HSL	314°, 36%, 52%
HSV	314°, 50%, 69%
XYZ	27.7176, 18.8942, 33.6466
YIQ	122.9500, 30.9410, 39.4930

# Conversions

## Conversions Part 2

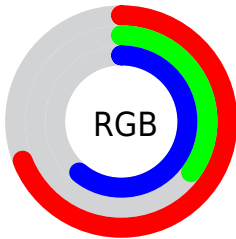
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 89, 156
Decimal	11622812
CIE <sub>Lab</sub>	50.56, 44.66, -20.45
CIE <sub>LCh</sub>	51, 49.120, 335.396
Yxy	18.8942, 0.3454, 0.2354
Android (android.graphics.Color)	4289812892 (0xFFB1599C)
YUV	122.9500, 16.2937, 47.4019
Hunter-Lab	43.4674, 37.7551, -15.4671

# Details

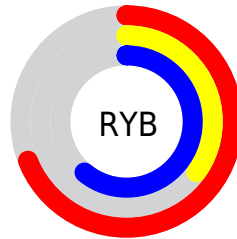
The YIQ color **122.9500, 30.9410, 39.4930** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **143.0500, -30.9410, -39.4930**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **177.3740, 32.6830, 40.9630**, and **70.1670, 28.8320, 39.1680** is the 20% darker color. If you saturate the color by 10%, you get **111.9280, 37.1750, 47.6630**, and if you desaturate by 10%, it is **133.9720, 24.7070, 31.3230**.

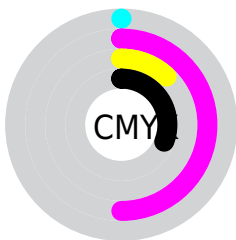
# Distribution



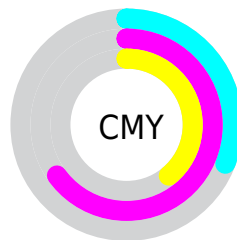
- Red (69%)
- Green (35%)
- Blue (61%)



- Red (69%)
- Yellow (35%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (12%)
- Black (31%)



- Cyan (31%)
- Magenta (65%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.9500, 30.9410, 39.4930 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 122.9500, 30.9410, 39.4930 by changing the saturation by 10% instead.



122.9500, 30.9410,  
39.4930

122.9500, 30.9410,  
39.4930

255.0000, -0.0000,  
-0.0000

96.3520, 29.7490,  
39.0690

177.3740, 32.6830,  
40.9630

70.1670, 28.8320,  
39.1680

202.6940, 28.7860,  
40.0020

40.1720, 30.4360,  
43.1400

220.9540, 15.9500,  
30.3340

27.4280, 23.4230,  
32.5670

237.9770, 7.9750,  
15.1670

18.4560, 17.0520,  
21.3720

2.9340, 0.3660,  
4.3820

0.0000, 0.0000,

0.0000

■ 122.9500, 30.9410,  
39.4930

■ 122.9500, 30.9410,  
39.4930

■ 111.9280, 37.1750,  
47.6630

■ 133.9720, 24.7070,  
31.3230

■ 101.4930, 43.1340,  
55.3100

■ 144.4070, 18.7480,  
23.6760

■ 90.3570, 49.6890,  
63.1690

■ 155.5430, 12.1930,  
15.8170

■ 79.3350, 55.9230,  
71.3390

■ 166.5650, 5.9590,  
7.6470

■ 68.3130, 62.1570,  
79.5090

■ 177.5870, -0.2750,  
-0.5230

■ 188.0220, -6.2340,  
-8.1700

■ 199.1580,  
-12.7890, -16.0290

■ 210.1800,  
-19.0230, -24.1990

■ 220.6150,  
-24.9820, -31.8460

# Harmonies

## Analogous

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



123.2360, -11.1470, 31.3250



122.9500, 30.9410, 39.4930



119.1470, 57.9470, 34.6430

# Triad

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



122.9500, 30.9410, 39.4930



114.9970, 38.4720, -25.4320



100.7450, -92.1530, -20.4490

# Complementary

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



122.9500, 30.9410, 39.4930



143.0500, -30.9410, -39.4930

# 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.



97.2450, -79.5420, -34.2460



122.9500, 30.9410, 39.4930



110.3500, 3.4450, -34.9150

# Square

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



122.9500, 30.9410, 39.4930



117.2530, 58.9630, -5.8130



93.5720, -58.9540, -43.9300



101.0020, -99.7660, -9.1260



# Rectangle

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



122.9500, 30.9410, 39.4930



118.4170, 65.5140, 24.1540



93.5720, -58.9540, -43.9300



99.8500, -88.2550, -25.0150

# Sweetspot

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



122.9500, 30.9410, 39.4930



208.4290, 12.5140, 15.5060



105.3110, -15.7320, 31.8200



102.1030, 7.3800, 9.4280



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



122.9500, 30.9410, 39.4930



145.2320, 48.5430, 61.9110



117.9340, 45.0650, 25.8090



83.4890, 3.1170, 4.0850



58.9710, 53.9520, 68.5120



9.9400, 9.3970, 11.4210



# Inverse Universe

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



122.9500, 30.9410, 39.4930



145.2320, 48.5430, 61.9110



148.0660, -45.0650, -25.8090



83.4890, 3.1170, 4.0850



58.9710, 53.9520, 68.5120

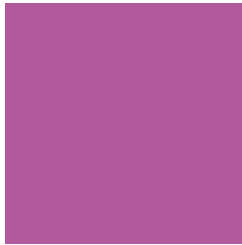


9.9400, 9.3970, 11.4210



# Previews

## White Background



This preview shows how the YIQ color 122.9500, 30.9410, 39.4930 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 122.9500, 30.9410, 39.4930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

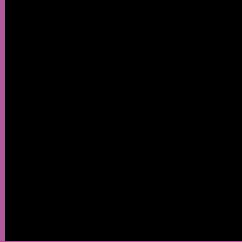
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.9500, 30.9410, 39.4930

## Background



This preview shows how black text looks on a background with the YIQ color 122.9500, 30.9410, 39.4930.



This preview shows how white text looks on a background with the YIQ color 122.9500, 30.9410,

39.4930.

# 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

122.9500, 30.9410, 39.4930

### Protanopia

120.4580, -29.9880, 14.8440

### Deuteranopia

121.4630, -11.1890, 10.0510



## Tritanopia

122.3260, 40.6650, 17.4410

# Trichromacy



## Original Color

122.9500, 30.9410, 39.4930

## Protanomaly

121.4610, -7.7070, 24.0450

## Deuteranomaly

121.8120, 4.3060, 21.0900

## Tritanomaly

122.6280, 37.1790, 25.5550

# Monochromacy



## Original Color

122.9500, 30.9410, 39.4930

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.3040, 11.3680, 14.2480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.9500, 30.9410, 39.4930 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(177, 89, 156)` looks like.

```
.text, #text, p{  
    color:rgb(177, 89, 156)  
}
```

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(177, 89, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 89, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 122.9500, 30.9410, 39.4930 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(177, 89, 156) }
```



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

```
.border{ border-color:rgb(177, 89, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 89, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 89, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 89, 156);  
box-shadow:4px 4px 4px 4px rgb(177, 89,  
156) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.9500, 30.9410, 39.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 89, 156) }
```

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

```
.background{ background-color: rgb(177, 89,  
156) }
```

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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