

# Converting Colors

YIQ(104.7110, 39.2840, 47.9880)

Have a look what the booklet for  
YIQ(104.7110, 39.2840, 47.9880)  
contains.

<b>YIQ(104.7110, 39.2840, 47.9880)</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(104.7110, 39.2840,  
47.9880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC3F8F
RGB	172, 63, 143
RGB Percent	67%, 25%, 56%
CMY	0.3252, 0.7531, 0.4391
CMYK	0.00, 0.63, 0.17, 0.33
HSL	316°, 46%, 46%
HSV	316°, 63%, 67%
XYZ	23.7653, 14.3134, 27.5063
YIQ	104.7110, 39.2840, 47.9880

# Conversions

## Conversions Part 2

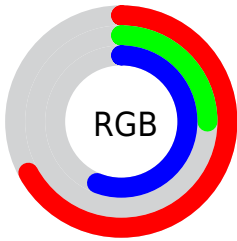
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	172, 63, 143
Decimal	11288463
CIE Lab	44.68, 53.45, -21.81
CIE LCh	45, 57.727, 337.800
Yxy	14.3134, 0.3624, 0.2182
Android (android.graphics.Color)	4289478543 (0xFFAC3F8F)
YUV	104.7110, 18.8765, 59.0125
Hunter-Lab	37.8331, 45.9188, -16.6232

# Details

The YIQ color **104.7110, 39.2840, 47.9880** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **130.2890, -39.2840, -47.9880**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **159.9070, 41.6680, 48.8360**, and **45.1720, 39.6040, 53.2040** is the 20% darker color. If you saturate the color by 10%, you get **94.1620, 45.5640, 55.3240**, and if you desaturate by 10%, it is **115.2600, 33.0040, 40.6520**.

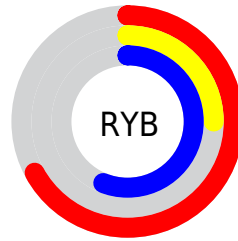
# Distribution



Red (67%)

Green (25%)

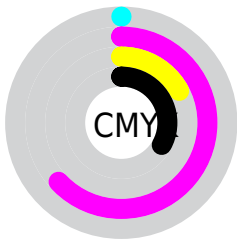
Blue (56%)



Red (67%)

Yellow (25%)

Blue (56%)

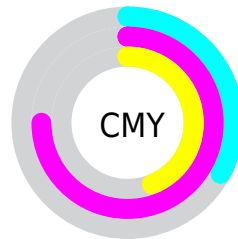


Cyan (0%)

Magenta (63%)

Yellow (17%)

Black (33%)



Cyan (33%)

Magenta (75%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 104.7110, 39.2840, 47.9880 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 104.7110, 39.2840, 47.9880 by changing the saturation by 10% instead.



104.7110, 39.2840,  
47.9880

104.7110, 39.2840,  
47.9880

255.0000, -0.0000,  
-0.0000

76.3520, 38.9170,  
49.1330

159.9070, 41.6680,  
48.8360

45.1720, 39.6040,  
53.2040

187.0100, 39.8800,  
48.2000

34.4770, 30.8950,  
40.3270

206.7520, 22.8710,  
42.5750

24.3800, 23.3780,  
27.8740

223.3020, 14.8500,  
28.2420

14.2120, 14.6230,  
15.8310

240.3250, 6.8750,  
13.0750

0.0000, 0.0000,  
0.0000

104.7110, 39.2840,  
47.9880

104.7110, 39.2840,  
47.9880

94.1620, 45.5640,  
55.3240

115.2600, 33.0040,  
40.6520

83.7270, 51.5230,  
62.9710

125.6950, 27.0450,  
33.0050

72.5910, 58.0780,  
70.8300

136.8310, 20.4900,  
25.1460

65.7920, 62.0660,  
75.6500

147.2660, 14.5310,  
17.4990


157.8150, 8.2510,  
10.1630

168.3640, 1.9710,  
2.8270

178.7990, -3.9880,  
-4.8200

189.9350,

-10.5430, -12.6790

 200.3700,  
-16.5020, -20.3260

# Harmonies

## Analogous

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



108.2950, -9.6350, 36.9650



104.7110, 39.2840, 47.9880



98.7510, 68.1700, 42.1060

# Triad

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



104.7110, 39.2840, 47.9880



98.0800, 39.4360, -31.8920



92.6580, -87.2940, -14.8940

# Complementary

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



104.7110, 39.2840, 47.9880



130.2890, -39.2840, -47.9880

# 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.



87.8870, -72.4820, -30.0340



104.7110, 39.2840, 47.9880



90.8130, 0.2830, -43.6930

# Square

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



104.7110, 39.2840, 47.9880



99.4740, 68.2260, -13.9980



81.0130, -55.8820, -44.5380



92.6700, -95.5950, -2.1150



# Rectangle

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



104.7110, 39.2840, 47.9880



99.3150, 74.7290, 27.8570



81.0130, -55.8820, -44.5380



91.5350, -82.7540, -20.0820

# Sweetspot

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



104.7110, 39.2840, 47.9880



198.0920, 15.0810, 18.5450



83.4990, -18.8970, 39.6230



95.9400, 9.3970, 11.4210



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



104.7110, 39.2840, 47.9880



119.0800, 61.1950, 74.9150



98.6690, 56.2970, 31.5050



81.3750, 3.4380, 3.7740



57.3900, 54.0900, 66.0100



8.8150, 8.2510, 10.1630



# Inverse Universe

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



104.7110, 39.2840, 47.9880



119.0800, 61.1950, 74.9150



136.3310, -56.2970, -31.5050



81.3750, 3.4380, 3.7740



57.3900, 54.0900, 66.0100



8.8150, 8.2510, 10.1630



# Previews

## White Background



This preview shows how the YIQ color 104.7110, 39.2840, 47.9880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

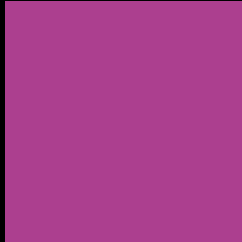
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 104.7110, 39.2840, 47.9880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

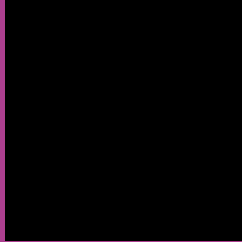
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 104.7110, 39.2840, 47.9880

## Background



This preview shows how black text looks on a background with the YIQ color 104.7110, 39.2840, 47.9880.



This preview shows how white text looks on a background with the YIQ color 104.7110, 39.2840,



# 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

104.7110, 39.2840, 47.9880

### Protanopia

104.1350, -39.2040, 16.6680

### Deuteranopia

106.8650, -12.3810, 9.6270



## Tritanopia

105.5830, 50.2470, 19.9990

# Trichromacy



## Original Color

104.7110, 39.2840, 47.9880

## Protanomaly

104.4270, -10.3670, 28.2010

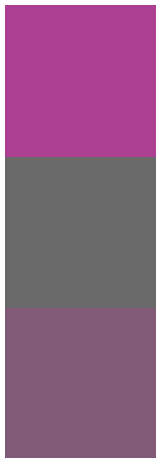
## Deuteranomaly

106.0620, 6.5980, 23.6060

## Tritanomaly

105.0530, 46.3480, 30.0920

# Monochromacy



## Original Color

104.7110, 39.2840, 47.9880

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

104.9670, 13.9350, 17.2870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 104.7110, 39.2840, 47.9880 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(172, 63, 143)` looks like.

```
.text, #text, p{  
    color:rgb(172, 63, 143)  
}
```

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(172, 63, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 63, 143) }
```

## Border

The CSS property to change the border of an element to YIQ 104.7110, 39.2840, 47.9880 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(172, 63, 143) }
```



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

```
.border{ border-color:rgb(172, 63, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 63, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 63, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 63, 143);  
box-shadow:4px 4px 4px 4px rgb(172, 63,  
143) }
```

# Background

The CSS property to change the background color of an element to YIQ 104.7110, 39.2840, 47.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 63, 143) }
```

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

```
.background{ background-color: rgb(172, 63,  
143) }
```

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