

# Converting Colors

YIQ(116.2590, 34.7450, 47.6490)

Have a look what the booklet for  
YIQ(116.2590, 34.7450, 47.6490)  
contains.

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# Color

**YIQ(116.2590, 34.7450,  
47.6490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B34C9F
RGB	179, 76, 159
RGB Percent	70%, 30%, 62%
CMY	0.2977, 0.7021, 0.3764
CMYK	0.00, 0.58, 0.11, 0.30
HSL	312°, 40%, 50%
HSV	312°, 58%, 70%
XYZ	27.4490, 17.2595, 34.6941
YIQ	116.2590, 34.7450, 47.6490

# Conversions

## Conversions Part 2

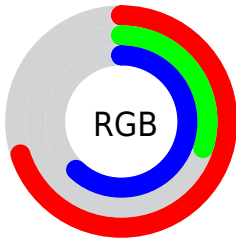
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 76, 159
Decimal	11750559
CIELab	48.59, 52.11, -25.25
CIELCh	49, 57.906, 334.148
Yxy	17.2595, 0.3457, 0.2174
Android (android.graphics.Color)	4289940639 (0xFFB34C9F)
YUV	116.2590, 21.0713, 55.0239
Hunter-Lab	41.5446, 45.2341, -20.4322

# Details

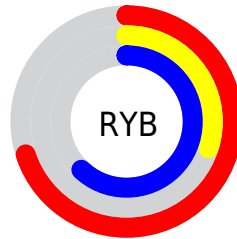
The YIQ color **116.2590, 34.7450, 47.6490** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **138.7410, -34.7450, -47.6490**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.5690, 36.8080, 48.8080**, and **58.3670, 34.5610, 50.9850** is the 20% darker color. If you saturate the color by 10%, you get **105.3510, 40.6580, 56.1300**, and if you desaturate by 10%, it is **127.2810, 28.5110, 39.4790**.

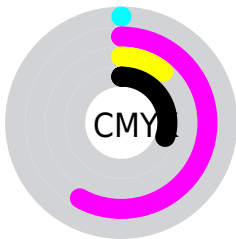
# Distribution



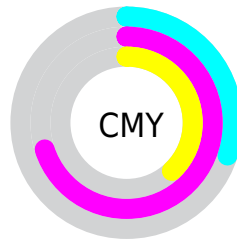
- Red (70%)
- Green (30%)
- Blue (62%)



- Red (70%)
- Yellow (30%)
- Blue (62%)



- Cyan (0%)
- Magenta (58%)
- Yellow (11%)
- Black (30%)




- Cyan (30%)
- Magenta (70%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.2590, 34.7450, 47.6490 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 116.2590, 34.7450, 47.6490 by changing the saturation by 10% instead.





 116.2590, 34.7450,  
47.6490


 116.2590, 34.7450,  
47.6490


255.0000, -0.0000,  
-0.0000


 89.0740, 33.8280,  
47.7480


 171.5690, 36.8080,  
48.8080


 58.3670, 34.5610,  
50.9850


 195.9920, 31.1230,  
47.2110

 38.4650, 31.1690,  
46.3770


 213.9100, 19.2500,  
36.6100

 27.6560, 22.7810,  
33.1890

 230.9330, 11.2750,  
21.4430

 18.3850, 15.8140,  
21.7820

 247.9560, 3.3000,  
6.2760

 1.7810, -3.5770,  
4.2550

 0.0000, 0.0000,

0.0000

■ 116.2590, 34.7450,  
47.6490

■ 116.2590, 34.7450,  
47.6490

■ 105.3510, 40.6580,  
56.1300

■ 127.2810, 28.5110,  
39.4790

■ 94.3290, 46.8920,  
64.3000

■ 138.1890, 22.5980,  
30.9980

■ 83.4210, 52.8050,  
72.7810

■ 149.0970, 16.6850,  
22.5170

■ 72.3990, 59.0390,  
80.9510

■ 160.1190, 10.4510,  
14.3470

■ 69.9370, 60.4600,  
82.7320

■ 171.0270, 4.5380,  
5.8660

■ 181.4620, -1.4210,  
-1.7810

■ 192.3700, -7.3340,  
-10.2620

■ 203.3920,  
-13.5680, -18.4320

■ 214.3000,  
-19.4810, -26.9130

# Harmonies

## Analogous

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



117.6470, -16.5580, 35.7780



116.2590, 34.7450, 47.6490



110.3210, 66.5650, 43.6610

# Triad

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



116.2590, 34.7450, 47.6490



106.9730, 47.0470, -32.1610



99.6850, -91.9240, -19.0920

# Complementary

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



116.2590, 34.7450, 47.6490



138.7410, -34.7450, -47.6490

# 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.



94.8000, -76.7910, -34.5430



116.2590, 34.7450, 47.6490



102.1620, 6.6100, -42.7180

# Square

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



116.2590, 34.7450, 47.6490



110.5330, 69.7380, -8.3580



87.2250, -59.5950, -48.8350



100.6260, -101.4630, -5.9030



# Rectangle

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



116.2590, 34.7450, 47.6490



109.4940, 75.7830, 30.7830



87.2250, -59.5950, -48.8350



98.5620, -87.3840, -24.2800

# Sweetspot

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



116.2590, 34.7450, 47.6490



208.1950, 13.2930, 17.9090



93.4230, -21.7390, 36.0610



103.0430, 7.6090, 10.7850



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



116.2590, 34.7450, 47.6490



134.5460, 53.9510, 74.0390



110.5590, 50.7950, 32.0990



83.6030, 2.7960, 4.3960



59.7690, 51.7050, 70.6890



10.1680, 8.7550, 12.0430



# Inverse Universe

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



116.2590, 34.7450, 47.6490



134.5460, 53.9510, 74.0390



144.4410, -50.7950, -32.0990



83.6030, 2.7960, 4.3960



59.7690, 51.7050, 70.6890



10.1680, 8.7550, 12.0430



# Previews

## White Background



This preview shows how the YIQ color 116.2590, 34.7450, 47.6490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

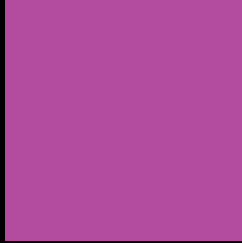
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 116.2590, 34.7450, 47.6490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

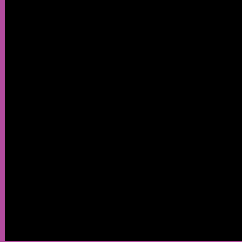
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 116.2590, 34.7450, 47.6490

## Background



This preview shows how black text looks on a background with the YIQ color 116.2590, 34.7450, 47.6490.



This preview shows how white text looks on a background with the YIQ color 116.2590, 34.7450,



# 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

116.2590, 34.7450, 47.6490

### Protanopia

114.2920, -41.0840, 17.7000

### Deuteranopia

116.3530, -16.6910, 10.6450



## Tritanopia

116.3160, 46.6250, 19.5610

# Trichromacy



## Original Color

116.2590, 34.7450, 47.6490



## Protanomaly

114.9860, -13.4390, 28.8090



## Deuteranomaly

116.1370, 2.0130, 24.1010



## Tritanomaly

116.4870, 42.1300, 29.4420

# Monochromacy



## Original Color

116.2590, 34.7450, 47.6490



## Achromatopsia

116.0000, -0.0000, 0.0000



## Achromatomaly

115.8960, 12.6970, 17.6970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.2590, 34.7450, 47.6490 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(179, 76, 159)` looks like.

```
.text, #text, p{  
    color:rgb(179, 76, 159)  
}
```

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(179, 76, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 76, 159) }
```

## Border

The CSS property to change the border of an element to YIQ 116.2590, 34.7450, 47.6490 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(179, 76, 159) }
```



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

```
.border{ border-color:rgb(179, 76, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 76, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 76, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 76, 159);  
box-shadow:4px 4px 4px 4px rgb(179, 76,  
159) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.2590, 34.7450, 47.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 76, 159) }
```

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

```
.background{ background-color: rgb(179, 76,  
159) }
```

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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