

# Converting Colors

YIQ(118.1190, 28.7870, 34.4750)

Have a look what the booklet for  
YIQ(118.1190, 28.7870, 34.4750)  
contains.

<b>YIQ(118.1190, 28.7870, 34.4750)</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(118.1190, 28.7870,  
34.4750)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A75891
RGB	167, 88, 145
RGB Percent	65%, 35%, 57%
CMY	0.3449, 0.6550, 0.4313
CMYK	0.00, 0.47, 0.13, 0.34
HSL	317°, 31%, 50%
HSV	317°, 47%, 66%
XYZ	24.5476, 17.2406, 28.8293
YIQ	118.1190, 28.7870, 34.4750

# Conversions

## Conversions Part 2

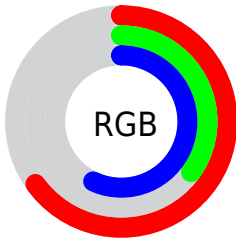
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 88, 145
Decimal	10967185
CIE <sub>Lab</sub>	48.56, 40.13, -17.11
CIE <sub>LCh</sub>	49, 43.628, 336.905
Yxy	17.2406, 0.3476, 0.2441
Android (android.graphics.Color)	4289157265 (0xFFA75891)
YUV	118.1190, 13.2523, 42.8686
Hunter-Lab	41.5218, 32.8657, -12.1007

# Details

The YIQ color **118.1190, 28.7870, 34.4750** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **136.8810, -28.7870, -34.4750**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **171.8420, 31.1250, 36.1570**, and **66.2220, 26.9990, 33.8390** is the 20% darker color. If you saturate the color by 10%, you get **107.5700, 35.0670, 41.8110**, and if you desaturate by 10%, it is **128.6680, 22.5070, 27.1390**.

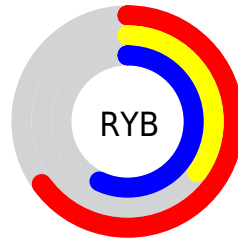
# Distribution



Red (65%)

Green (35%)

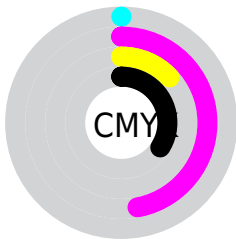
Blue (57%)



Red (65%)

Yellow (35%)

Blue (57%)

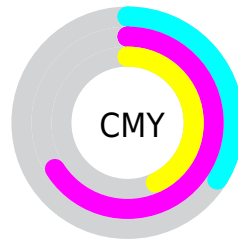


Cyan (0%)

Magenta (47%)

Yellow (13%)

Black (34%)



Cyan (34%)

Magenta (66%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.1190, 28.7870, 34.4750 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 118.1190, 28.7870, 34.4750 by changing the saturation by 10% instead.



118.1190, 28.7870,  
34.4750

118.1190, 28.7870,  
34.4750

255.0000, -0.0000,  
-0.0000

92.4070, 27.9160,  
33.7400

171.8420, 31.1250,  
36.1570

66.2220, 26.9990,  
33.8390

199.5540, 31.9960,  
36.8920

38.8030, 26.8610,  
36.3410

219.7800, 16.5000,  
31.3800

24.0100, 21.5440,  
28.0720

236.2160, 8.8000,  
16.7360

15.4510, 15.4480,  
17.4000

253.2390, 0.8250,  
1.5690

0.0000, 0.0000,  
0.0000

■ 118.1190, 28.7870,  
34.4750

■ 118.1190, 28.7870,  
34.4750

■ 107.5700, 35.0670,  
41.8110

■ 128.6680, 22.5070,  
27.1390

■ 97.7220, 40.7510,  
48.9350

■ 138.5160, 16.8230,  
20.0150

■ 87.1730, 47.0310,  
56.2710

■ 149.0650, 10.5430,  
12.6790

■ 76.6240, 53.3110,  
63.6070

■ 159.6140, 4.2630,  
5.3430

■ 66.1890, 59.2700,  
71.2540

■ 170.0490, -1.6960,  
-2.3040


■ 63.7270, 60.6910,  
73.0350

■ 180.0110, -7.7010,  
-9.1170

■ 190.5600,  
-13.9810, -16.4530

■ 200.9950,

-19.9400, -24.1000

 210.9570,  
-25.9450, -30.9130

# Harmonies

## Analogous

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



118.3950, -7.3410, 28.4270



118.1190, 28.7870, 34.4750



115.1630, 51.8500, 29.4980

# Triad

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



118.1190, 28.7870, 34.4750



110.5820, 32.5110, -22.0250



95.6100, -87.3390, -19.5870

# Complementary

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



118.1190, 28.7870, 34.4750



136.8810, -28.7870, -34.4750

# 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.



92.6800, -76.3330, -31.8290



118.1190, 28.7870, 34.4750



106.6150, 1.3810, -30.5470

# Square

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



118.1190, 28.7870, 34.4750



113.2460, 51.6730, -5.8550



94.6600, -47.2180, -36.3540



95.4110, -93.6680, -9.5080



# Rectangle

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



118.1190, 28.7870, 34.4750



114.4760, 57.8580, 19.7300



94.6600, -47.2180, -36.3540



94.9430, -84.0830, -23.5310

# Sweetspot

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



118.1190, 28.7870, 34.4750



197.7770, 11.4140, 13.4140



103.2850, -12.8430, 29.0210



98.1630, 7.1510, 8.0710



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



118.1190, 28.7870, 34.4750



140.2220, 45.3350, 53.9670



113.6730, 41.3060, 22.3460



79.0760, 2.8420, 3.5620



56.4500, 53.8610, 64.6530



7.6900, 7.1050, 8.9050



# Inverse Universe

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



118.1190, 28.7870, 34.4750



140.2220, 45.3350, 53.9670



141.3270, -41.3060, -22.3460



79.0760, 2.8420, 3.5620



56.4500, 53.8610, 64.6530

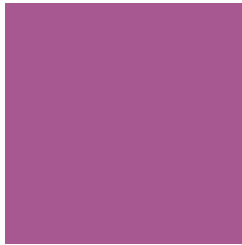


7.6900, 7.1050, 8.9050



# Previews

## White Background



This preview shows how the YIQ color 118.1190, 28.7870, 34.4750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

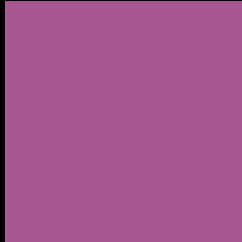
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 118.1190, 28.7870, 34.4750 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 118.1190, 28.7870, 34.4750

## Background



This preview shows how black text looks on a background with the YIQ color 118.1190, 28.7870, 34.4750.



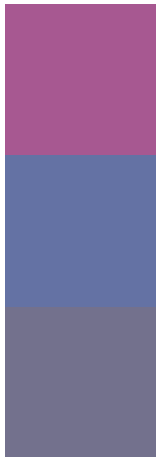
This preview shows how white text looks on a background with the YIQ color 118.1190, 28.7870,

34.4750.

# 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

118.1190, 28.7870, 34.4750

### Protanopia

115.5140, -24.3940, 12.5820

### Deuteranopia

116.7900, -7.7960, 9.1320



## Tritanopia

117.5320, 37.0890, 16.1690

# Trichromacy



## Original Color

118.1190, 28.7870, 34.4750

## Protanomaly

116.6090, -5.3680, 20.2000

## Deuteranomaly

117.3020, 5.6820, 18.1780

## Tritanomaly

117.7800, 33.6950, 22.6150

# Monochromacy



## Original Color

118.1190, 28.7870, 34.4750

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

118.0650, 10.5430, 12.6790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.1190, 28.7870, 34.4750 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(167, 88, 145)` looks like.

```
.text, #text, p{  
    color:rgb(167, 88, 145)  
}
```

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(167, 88, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 88, 145) }
```

## Border

The CSS property to change the border of an element to YIQ 118.1190, 28.7870, 34.4750 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(167, 88, 145) }
```



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

```
.border{ border-color:rgb(167, 88, 145) }
```

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

Here you see how a box with a 4 pixel rgb(167, 88, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 88, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 88, 145);  
box-shadow:4px 4px 4px 4px rgb(167, 88,  
145) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.1190, 28.7870, 34.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 88, 145) }
```

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

```
.background{ background-color: rgb(167, 88,  
145) }
```

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