

# Converting Colors

YIQ(111.8440, 18.4750, 12.0990)

Have a look what the booklet for  
YIQ(111.8440, 18.4750, 12.0990)  
contains.

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# Color

**YIQ(111.8440, 18.4750,  
12.0990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	896370
RGB	137, 99, 112
RGB Percent	54%, 39%, 44%
CMY	0.4626, 0.6118, 0.5607
CMYK	0.00, 0.28, 0.18, 0.46
HSL	339°, 16%, 46%
HSV	339°, 28%, 54%
XYZ	17.7065, 15.4114, 17.3754
YIQ	111.8440, 18.4750, 12.0990

# Conversions

## Conversions Part 2

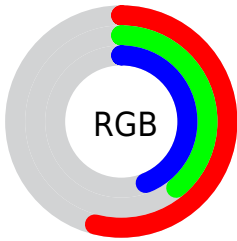
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 99, 112
Decimal	9003888
CIE <sub>Lab</sub>	46.19, 17.49, -1.25
CIE <sub>LCh</sub>	46, 17.536, 355.903
Yxy	15.4114, 0.3507, 0.3052
Android (android.graphics.Color)	4287193968 (0xFF896370)
YUV	111.8440, 0.0769, 22.0618
Hunter-Lab	39.2573, 11.8099, 1.2382

# Details

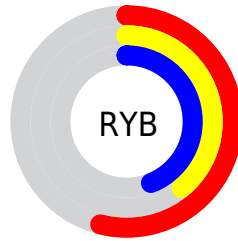
The YIQ color **111.8440, 18.4750, 12.0990** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **124.1560, -18.4750, -12.0990**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.8550, 19.9420, 13.0460**, and **63.5340, 16.4120, 10.9400** is the 20% darker color. If you saturate the color by 10%, you get **102.6000, 25.2140, 16.6220**, and if you desaturate by 10%, it is **121.0880, 11.7360, 7.5760**.

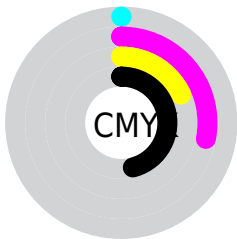
# Distribution



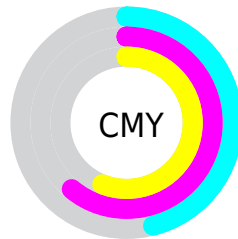
- Red (54%)
- Green (39%)
- Blue (44%)



- Red (54%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (18%)
- Black (46%)




- Cyan (46%)
- Magenta (61%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 111.8440, 18.4750, 12.0990 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 111.8440, 18.4750, 12.0990 by changing the saturation by 10% instead.





 111.8440, 18.4750,  
12.0990


 111.8440, 18.4750,  
12.0990


255.0000, -0.0000,  
-0.0000

 87.2460, 17.2830,  
11.6750


 163.8550, 19.9420,  
13.0460


 63.5340, 16.4120,  
10.9400


 191.1540, 20.5380,  
13.2580

 40.9360, 15.2200,  
10.5160

 218.8660, 21.4090,  
13.9930

 19.1640, 14.5780,  
11.1380

 241.1740, 8.6180,  
9.0180

 0.8970, 1.7880,  
0.6360

 0.0000, 0.0000,  
0.0000

■ 111.8440, 18.4750,  
12.0990

■ 111.8440, 18.4750,  
12.0990

■ 102.6000, 25.2140,  
16.6220

■ 121.0880, 11.7360,  
7.5760

■ 93.9430, 31.6780,  
20.6220

■ 129.7450, 5.2720,  
3.5760

■ 84.6990, 38.4170,  
25.1450

■ 138.9890, -1.4670,  
-0.9470

■ 75.4550, 45.1560,  
29.6680

■ 148.2330, -8.2060,  
-5.4700

■ 66.2110, 51.8950,  
34.1910

■ 157.4770,  
-14.9450, -9.9930

■ 57.5540, 58.3590,  
38.1910

■ 166.1340,  
-21.4090, -13.9930

■ 48.3100, 65.0980,  
42.7140


■ 175.3780,  
-28.1480, -18.5160

■ 46.3210, 66.5650,

■ 184.6220,

43.6610

-34.8870, -23.0390

 193.2790,  
-41.3510, -27.0390

# Harmonies

## Analogous

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



111.9120, 6.6000, 12.5520



111.8440, 18.4750, 12.0990



111.3190, 24.2070, 7.3350

# Triad

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



111.8440, 18.4750, 12.0990



107.1990, 6.3290, -10.0790



104.1950, -31.4060, -3.5180

# Complementary

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



111.8440, 18.4750, 12.0990



124.1560, -18.4750, -12.0990

# 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.



102.6200, -31.4050, -9.0450



111.8440, 18.4750, 12.0990



105.6040, -8.1130, -12.6650

# Square

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



111.8440, 18.4750, 12.0990



108.9940, 17.3320, -5.7400



103.8890, -22.0970, -12.5370



107.5000, -21.7790, 3.7330



# Rectangle

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



111.8440, 18.4750, 12.0990



110.6840, 24.4370, 3.1650



103.8890, -22.0970, -12.5370



103.5430, -32.5060, -5.6100

# Sweetspot

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



111.8440, 18.4750, 12.0990



169.0550, 7.3350, 4.7350



110.8070, 2.7020, 17.1180



83.0330, 4.4010, 2.8410



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



111.8440, 18.4750, 12.0990



139.9210, 28.7440, 18.7280



113.8840, 20.9980, 4.9180



64.3210, 3.5300, 2.1060



44.8970, 64.8230, 42.1910



1.7230, 2.3380, 1.6820



# Inverse Universe

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



111.8440, 18.4750, 12.0990



139.9210, 28.7440, 18.7280



122.1160, -20.9980, -4.9180



64.3210, 3.5300, 2.1060



44.8970, 64.8230, 42.1910

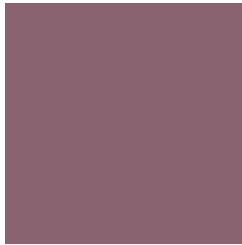


1.7230, 2.3380, 1.6820



# Previews

## White Background



This preview shows how the YIQ color 111.8440, 18.4750, 12.0990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

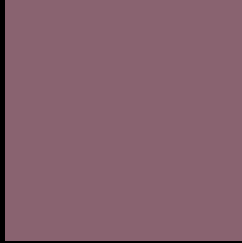
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 111.8440, 18.4750, 12.0990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

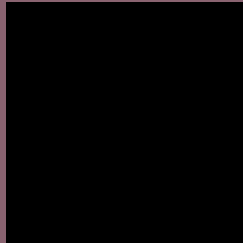
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 111.8440, 18.4750, 12.0990

## Background



This preview shows how black text looks on a background with the YIQ color 111.8440, 18.4750, 12.0990.



This preview shows how white text looks on a background with the YIQ color 111.8440, 18.4750,



# 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

111.8440, 18.4750, 12.0990

### Protanopia

110.0260, -2.8890, 2.7990

### Deuteranopia

110.7560, 6.7390, 4.5230



## Tritanopia

111.5620, 19.2090, 9.8090

# Trichromacy



## Original Color

111.8440, 18.4750, 12.0990

## Protanomaly

110.4400, 4.8130, 6.3890

## Deuteranomaly

110.7890, 11.1400, 7.3640

## Tritanomaly

111.7900, 18.5670, 10.4310

# Monochromacy



## Original Color

111.8440, 18.4750, 12.0990

## Achromatopsia

112.0000, -0.0000, 0.0000

## Achromatomaly

111.7560, 6.7390, 4.5230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 111.8440, 18.4750, 12.0990 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(137, 99, 112)` looks like.

```
.text, #text, p{  
    color:rgb(137, 99, 112)  
}
```

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(137, 99, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 99, 112) }
```

## Border

The CSS property to change the border of an element to YIQ 111.8440, 18.4750, 12.0990 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(137, 99, 112) }
```



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

```
.border{ border-color:rgb(137, 99, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 99, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 99, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 99, 112);  
box-shadow:4px 4px 4px 4px rgb(137, 99,  
112) }
```

# Background

The CSS property to change the background color of an element to YIQ 111.8440, 18.4750, 12.0990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 99, 112) }
```

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

```
.background{ background-color: rgb(137, 99,  
112) }
```

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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