

# Converting Colors

YIQ(118.2160, 8.8000, 16.7360)

Have a look what the booklet for  
YIQ(118.2160, 8.8000, 16.7360)  
contains.

<b>YIQ(118.2160, 8.8000, 16.7360)</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(118.2160, 8.8000,  
16.7360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	896989
RGB	137, 105, 137
RGB Percent	54%, 41%, 54%
CMY	0.4626, 0.5883, 0.4627
CMYK	0.00, 0.23, 0.00, 0.46
HSL	300°, 13%, 47%
HSV	300°, 23%, 54%
XYZ	19.8863, 17.2271, 25.9449
YIQ	118.2160, 8.8000, 16.7360

# Conversions

## Conversions Part 2

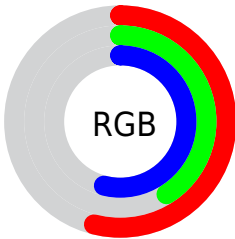
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 105, 137
Decimal	9005449
CIE <sub>Lab</sub>	48.54, 18.62, -12.71
CIE <sub>LCh</sub>	49, 22.543, 325.687
Yxy	17.2271, 0.3154, 0.2732
Android (android.graphics.Color)	4287195529 (0xFF896989)
YUV	118.2160, 9.2605, 16.4736
Hunter-Lab	41.5055, 12.8890, -8.0081

# Details

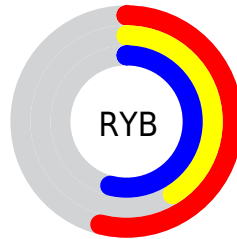
The YIQ color **118.2160, 8.8000, 16.7360** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **123.7840, -8.8000, -16.7360**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.3410, 9.9460, 17.9940**, and **69.3900, 8.2500, 15.6900** is the 20% darker color. If you saturate the color by 10%, you get **109.9980, 12.6500, 24.0580**, and if you desaturate by 10%, it is **126.4340, 4.9500, 9.4140**.

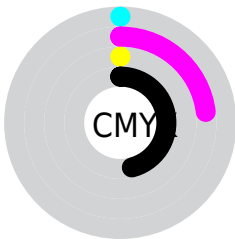
# Distribution



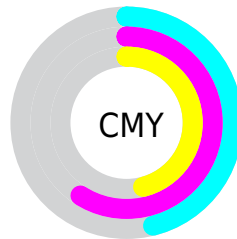
- Red (54%)
- Green (41%)
- Blue (54%)



- Red (54%)
- Yellow (41%)
- Blue (54%)



- Cyan (0%)
- Magenta (23%)
- Yellow (0%)
- Black (46%)



- Cyan (46%)
- Magenta (59%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.2160, 8.8000, 16.7360 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 118.2160, 8.8000, 16.7360 by changing the saturation by 10% instead.



■ 118.2160, 8.8000,  
16.7360

■ 118.2160, 8.8000,  
16.7360

■ 255.0000, -0.0000,  
-0.0000

■ 93.5040, 7.9290,  
16.0010

■ 170.3410, 9.9460,  
17.9940

■ 69.3900, 8.2500,  
15.6900

■ 197.7540, 10.2210,  
18.5170

■ 46.6780, 7.3790,  
14.9550

■ 225.8680, 9.9000,  
18.8280

■ 24.9660, 6.5080,  
14.2200

■ 246.1950, 4.1250,  
7.8450

■ 7.7760, 3.9870,  
10.3470

■ 0.0000, 0.0000,  
0.0000

■ 118.2160, 8.8000,  
16.7360

■ 118.2160, 8.8000,  
16.7360

■ 109.9980, 12.6500,  
24.0580

■ 126.4340, 4.9500,  
9.4140

■ 102.3670, 16.2250,  
30.8570

■ 134.0650, 1.3750,  
2.6150

■ 94.1490, 20.0750,  
38.1790

■ 142.2830, -2.4750,  
-4.7070

■ 85.9310, 23.9250,  
45.5010

■ 150.5010, -6.3250,  
-12.0290

■ 77.7130, 27.7750,  
52.8230

■ 158.7190,  
-10.1750, -19.3510

■ 70.0820, 31.3500,  
59.6220

■ 166.3500,  
-13.7500, -26.1500

■ 61.8640, 35.2000,  
66.9440


■ 174.5680,  
-17.6000, -33.4720

■ 56.5810, 37.6750,

■ 182.7860,

71.6510

-21.4500, -40.7940

 190.4170,  
-25.0250, -47.5930

# Harmonies

## Analogous

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



116.3430, -10.7310, 12.7650



118.2160, 8.8000, 16.7360



117.7030, 23.4260, 15.9860

# Triad

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



118.2160, 8.8000, 16.7360



114.2780, 22.2840, -7.3800



104.4550, -44.2420, -13.1860

# Complementary

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



118.2160, 8.8000, 16.7360



123.7840, -8.8000, -16.7360

# 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.



107.0620, -30.0740, -16.6500



118.2160, 8.8000, 16.7360



112.5750, 8.0260, -13.3020

# Square

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



118.2160, 8.8000, 16.7360



116.1530, 30.3060, 1.4260



109.7130, -10.0380, -16.3260



107.3830, -43.7390, -5.7790



# Rectangle

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



118.2160, 8.8000, 16.7360



117.4170, 29.9830, 12.7910



109.7130, -10.0380, -16.3260



105.2550, -40.8030, -14.9390

# Sweetspot

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



118.2160, 8.8000, 16.7360



171.2550, 3.8960, 6.4880



108.6480, -10.2720, 9.9520



84.8910, 1.9250, 3.6610



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.



118.2160, 8.8000, 16.7360



149.5360, 14.0710, 25.8390



116.3920, 13.9360, 11.7600



64.8910, 1.9250, 3.6610



54.9290, 36.5750, 69.5590



2.0650, 1.3750, 2.6150



# Inverse Universe

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



118.2160, 8.8000, 16.7360



149.5360, 14.0710, 25.8390



125.6080, -13.9360, -11.7600



64.8910, 1.9250, 3.6610



54.9290, 36.5750, 69.5590

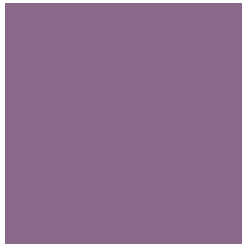


2.0650, 1.3750, 2.6150



# Previews

## White Background



This preview shows how the YIQ color 118.2160, 8.8000, 16.7360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

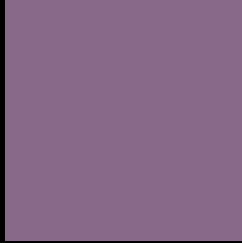
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 118.2160, 8.8000, 16.7360 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 118.2160, 8.8000, 16.7360

## Background



This preview shows how black text looks on a background with the YIQ color 118.2160, 8.8000, 16.7360.



This preview shows how white text looks on a background with the YIQ color 118.2160, 8.8000,



# 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

118.2160, 8.8000, 16.7360

### Protanopia

115.8110, -12.2890, 7.9590

### Deuteranopia

116.8180, -4.9990, 8.0010



## Tritanopia

117.3870, 12.3320, 7.7880

# Trichromacy



## Original Color

118.2160, 8.8000, 16.7360

## Protanomaly

116.8120, -4.8620, 11.0260

## Deuteranomaly

117.1500, -0.0020, 11.0540

## Tritanomaly

117.8970, 10.9560, 10.7000

# Monochromacy



## Original Color

118.2160, 8.8000, 16.7360

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.9560, 3.3000, 6.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.2160, 8.8000, 16.7360 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, 105, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 105, 137)  
}
```

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, 105, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 105, 137) }
```

## Border

The CSS property to change the border of an element to YIQ 118.2160, 8.8000, 16.7360 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, 105, 137) }
```



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

```
.border{ border-color:rgb(137, 105, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 105, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 105, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 105, 137);  
box-shadow:4px 4px 4px 4px rgb(137, 105,  
137) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.2160, 8.8000, 16.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 105, 137) }
```

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

```
.background{ background-color: rgb(137,  
105, 137) }
```

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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