

# Converting Colors

YIQ(118.3850, 33.0090, 13.0170)

Have a look what the booklet for  
YIQ(118.3850, 33.0090, 13.0170)  
contains.

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# Color

**YIQ(118.3850, 33.0090,  
13.0170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E6568
RGB	158, 101, 104
RGB Percent	62%, 40%, 41%
CMY	0.3803, 0.6040, 0.5920
CMYK	0.00, 0.36, 0.34, 0.38
HSL	357°, 23%, 51%
HSV	357°, 36%, 62%
XYZ	21.2592, 17.5755, 15.3774
YIQ	118.3850, 33.0090, 13.0170

# Conversions

## Conversions Part 2

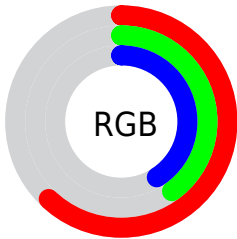
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 101, 104
Decimal	10380648
CIE <sub>Lab</sub>	48.98, 23.44, 7.88
CIE <sub>LCh</sub>	49, 24.724, 18.578
Yxy	17.5755, 0.3921, 0.3242
Android (android.graphics.Color)	4288570728 (0xFF9E6568)
YUV	118.3850, -7.0918, 34.7424
Hunter-Lab	41.9232, 17.1515, 7.5987

# Details

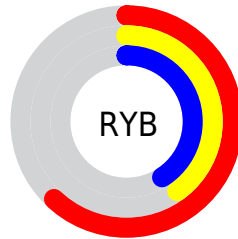
The YIQ color **118.3850, 33.0090, 13.0170** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **140.6150, -33.0090, -13.0170**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **171.4670, 35.7140, 13.5540**, and **69.0040, 29.7080, 12.2680** is the 20% darker color. If you saturate the color by 10%, you get **107.2830, 42.2240, 16.7200**, and if you desaturate by 10%, it is **129.4870, 23.7940, 9.3140**.

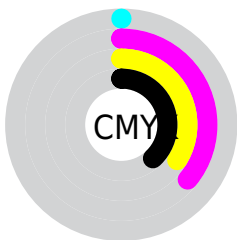
# Distribution



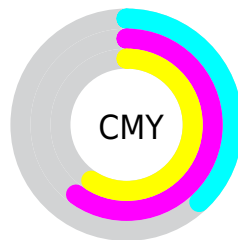
- Red (62%)
- Green (40%)
- Blue (41%)



- Red (62%)
- Yellow (40%)
- Blue (41%)



- Cyan (0%)
- Magenta (36%)
- Yellow (34%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.3850, 33.0090, 13.0170 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 118.3850, 33.0090, 13.0170 by changing the saturation by 10% instead.



■ 118.3850, 33.0090,  
13.0170

■ 118.3850, 33.0090,  
13.0170

■ 255.0000, -0.0000,  
-0.0000

■ 93.4880, 31.2210,  
12.3810

■ 171.4670, 35.7140,  
13.5540

■ 69.0040, 29.7080,  
12.2680

■ 199.0650, 36.9060,  
13.9780

■ 45.3350, 27.2780,  
12.2540

■ 221.5800, 27.9660,  
10.7980

■ 22.4380, 25.4900,  
11.6180

■ 241.9090, 10.6820,  
4.6500

■ 9.9810, 19.3470,  
7.3070

■ 0.0000, 0.0000,  
0.0000

■ 118.3850, 33.0090,  
13.0170

■ 118.3850, 33.0090,  
13.0170

■ 107.2830, 42.2240,  
16.7200

■ 129.4870, 23.7940,  
9.3140

■ 96.1810, 51.4390,  
20.4230

■ 140.5890, 14.5790,  
5.6110

■ 85.6660, 60.3790,  
23.6030

■ 151.1040, 5.6390,  
2.4310

■ 74.5640, 69.5940,  
27.3060

■ 162.2060, -3.5760,  
-1.2720

■ 63.4620, 78.8090,  
31.0090

■ 173.3080,  
-12.7910, -4.9750

■ 52.3600, 88.0240,  
34.7120


■ 184.4100,  
-22.0060, -8.6780

■ 48.1540, 91.6000,  
35.9840

■ 195.5120,  
-31.2210, -12.3810

■ 206.0270,

-40.1610, -15.5610

 217.1290,  
-49.3760, -19.2640

# Harmonies

## Analogous

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



118.9850, 22.6920, 18.2760



118.3850, 33.0090, 13.0170



116.8870, 34.1110, 4.0550

# Triad

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



118.3850, 33.0090, 13.0170



110.9260, -6.3240, -17.5560



111.6490, -38.3760, 1.6560

# Complementary

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



118.3850, 33.0090, 13.0170



140.6150, -33.0090, -13.0170

# 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.



105.3710, -52.6330, -9.7930



118.3850, 33.0090, 13.0170



107.3780, -28.1480, -18.5160

# Square

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



118.3850, 33.0090, 13.0170



113.7990, 13.2070, -13.5850



104.1940, -48.0010, -16.6490



116.9940, -17.0580, 11.7900



# Rectangle

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



118.3850, 33.0090, 13.0170



116.5180, 30.5360, -2.7440



104.1940, -48.0010, -16.6490



109.3060, -44.8400, -2.3440

# Sweetspot

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



118.3850, 33.0090, 13.0170



190.9910, 13.3870, 5.1870



123.3450, 13.2910, 28.9630



95.3000, 8.0230, 3.2790



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



118.3850, 33.0090, 13.0170



145.0670, 51.7600, 20.1120



132.7180, 27.0970, -0.9910



73.5060, 4.4470, 2.0070



43.6690, 82.6600, 32.8040



4.5990, 8.6190, 3.4910



# Inverse Universe

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



118.3850, 33.0090, 13.0170



145.0670, 51.7600, 20.1120



126.2820, -27.0970, 0.9910



73.5060, 4.4470, 2.0070



43.6690, 82.6600, 32.8040

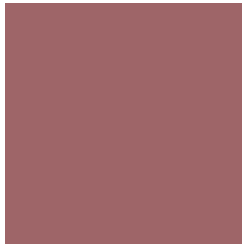


4.5990, 8.6190, 3.4910



# Previews

## White Background



This preview shows how the YIQ color 118.3850, 33.0090, 13.0170 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 118.3850, 33.0090, 13.0170 looks on a black 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

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

# YIQ 118.3850, 33.0090, 13.0170

## Background



This preview shows how black text looks on a background with the YIQ color 118.3850, 33.0090, 13.0170.



This preview shows how white text looks on a background with the YIQ color 118.3850, 33.0090,



# 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

118.3850, 33.0090, 13.0170

### Protanopia

116.7400, 3.6680, -0.3960

### Deuteranopia

117.1390, 15.7260, 1.3420



## Tritanopia

118.2540, 32.0000, 14.7840

# Trichromacy



## Original Color

118.3850, 33.0090, 13.0170

## Protanomaly

117.6490, 14.3500, 4.2540

## Deuteranomaly

117.5960, 21.8690, 5.6530

## Tritanomaly

118.1400, 32.3210, 14.4730

# Monochromacy



## Original Color

118.3850, 33.0090, 13.0170

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

118.3930, 12.1950, 4.7630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.3850, 33.0090, 13.0170 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(158, 101, 104)` looks like.

```
.text, #text, p{  
    color:rgb(158, 101, 104)  
}
```

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(158, 101, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 101, 104) }
```

## Border

The CSS property to change the border of an element to YIQ 118.3850, 33.0090, 13.0170 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(158, 101, 104) }
```



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

```
.border{ border-color:rgb(158, 101, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 101, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 101, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 101, 104);  
box-shadow:4px 4px 4px 4px rgb(158, 101,  
104) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.3850, 33.0090, 13.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 101, 104) }
```

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

```
.background{ background-color: rgb(158,  
101, 104) }
```

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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