

# Converting Colors

YIQ(157.6600, 33.0120, -3.5640)

Have a look what the booklet for  
YIQ(157.6600, 33.0120, -3.5640)  
contains.

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# Color

**YIQ(157.6600, 33.0120,  
-3.5640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB9773
RGB	187, 151, 115
RGB Percent	73%, 59%, 45%
CMY	0.2666, 0.4079, 0.5489
CMYK	0.00, 0.19, 0.38, 0.27
HSL	30°, 35%, 59%
HSV	30°, 38%, 73%
XYZ	34.6585, 33.9339, 20.9551
YIQ	157.6600, 33.0120, -3.5640

# Conversions

## Conversions Part 2

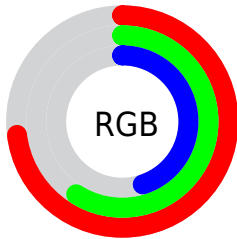
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">187, 187, 115</a>
Decimal	<a href="#">12294003</a>
CIELab	<a href="#">64.91, 8.46, 24.03</a>
CIELCh	<a href="#">65, 25.476, 70.599</a>
Yxy	<a href="#">33.9339, 0.3870, 0.3789</a>
Android (android.graphics.Color)	<a href="#">4290484083 (0xFFBB9773)</a>
YUV	<a href="#">157.6600, -21.0314, 25.7312</a>
Hunter-Lab	<a href="#">58.2528, 4.2591, 19.4488</a>

# Details

The YIQ color **157.6600, 33.0120, -3.5640** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **144.3400, -33.0120, 3.5640**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **212.3290, 35.4420, -3.5500**, and **105.6920, 29.9860, -3.7900** is the 20% darker color. If you saturate the color by 10%, you get **150.2110, 41.5860, -4.7660**, and if you desaturate by 10%, it is **165.1090, 24.4380, -2.3620**.

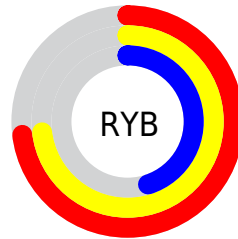
# Distribution



Red (73%)

Green (59%)

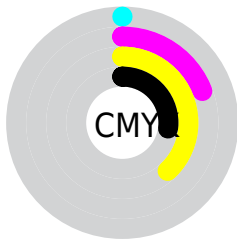
Blue (45%)



Red (73%)

Yellow (73%)

Blue (45%)

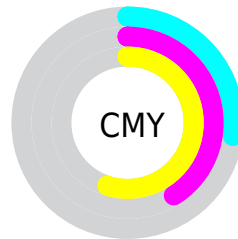


Cyan (0%)

Magenta (19%)

Yellow (38%)

Black (27%)



Cyan (27%)

Magenta (41%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 157.6600, 33.0120, -3.5640 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 157.6600, 33.0120, -3.5640 by changing the saturation by 10% instead.





 157.6600, 33.0120,  
-3.5640


 157.6600, 33.0120,  
-3.5640


255.0000, -0.0000,  
-0.0000


 131.1760, 31.4990,  
-3.6770


 212.3290, 35.4420,  
-3.5500

 105.8060, 29.6650,  
-3.4790


 235.2460, 25.3100,  
-7.1540


 81.3220, 28.1520,  
-3.5920

 251.3520, 10.2720,  
-9.9520

 58.4250, 26.3640,  
-4.2280

 254.5440, 1.2840,  
-1.2440

 35.8270, 25.1720,  
-4.6520

 16.3240, 16.6430,  
1.2430

 0.0000, 0.0000,

0.0000

■ 157.6600, 33.0120,  
-3.5640

■ 157.6600, 33.0120,  
-3.5640

■ 150.2110, 41.5860,  
-4.7660

■ 165.1090, 24.4380,  
-2.3620

■ 142.2890, 50.1140,  
-5.1340

■ 173.0310, 15.9100,  
-1.9940

■ 134.8400, 58.6880,  
-6.3360

■ 180.4800, 7.3360,  
-0.7920

■ 127.3910, 67.2620,  
-7.5380

■ 187.9290, -1.2380,  
0.4100

■ 119.4690, 75.7900,  
-7.9060

■ 195.9650,  
-10.0870, 1.0890

■ 112.0200, 84.3640,  
-9.1080

■ 203.3000,  
-18.3400, 1.9800

■ 110.5040, 85.8770,  
-8.9950

■ 211.3360,  
-27.1890, 2.6590

■ 217.6450,  
-32.5530, 0.7510

■ 222.9280,  
-35.0280, -3.9560

# Harmonies

## Analogous

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



159.3330, 38.7870, 7.4190



157.6600, 33.0120, -3.5640



155.8490, 18.9380, -12.8220

# Triad

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



157.6600, 33.0120, -3.5640



146.7060, -43.6910, -17.6670



160.4800, -0.6910, 18.0370

# Complementary

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



157.6600, 33.0120, -3.5640



144.3400, -33.0120, 3.5640

# 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.



157.0470, -24.5770, 10.3910



157.6600, 33.0120, -3.5640



147.3170, -52.5410, -11.4610

# Square

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



157.6600, 33.0120, -3.5640



149.4770, -24.1130, -20.0570



151.6590, -44.3360, -0.4640



161.3700, 20.1700, 19.9300



# Rectangle

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



157.6600, 33.0120, -3.5640



153.6840, 6.1010, -16.9630



151.6590, -44.3360, -0.4640



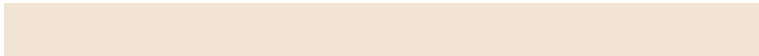
159.5330, -8.2100, 16.6380

# Sweetspot

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



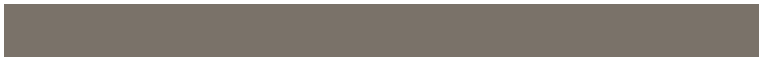
157.6600, 33.0120, -3.5640



230.4760, 13.1590, -1.6970



140.7460, 31.0350, 26.7710



115.3660, 7.6570, -1.1030



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



157.6600, 33.0120, -3.5640



196.4740, 51.0310, -5.2330



178.2050, 23.3870, -21.8690



90.6260, 3.9890, -0.7070



93.6150, 72.4430, -7.8210



18.0740, 14.3510, -1.2730



# Inverse Universe

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



144.3400, -33.0120, 3.5640



176.5260, -51.0310, 5.2330



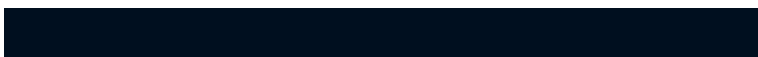
123.7950, -23.3870, 21.8690



88.9610, -4.2640, 0.1840



64.3850, -72.4430, 7.8210



12.3390, -14.0760, 1.7960



# Previews

## White Background



This preview shows how the YIQ color 157.6600, 33.0120, -3.5640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 157.6600, 33.0120, -3.5640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

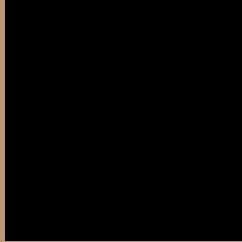
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 157.6600, 33.0120, -3.5640

## Background



This preview shows how black text looks on a background with the YIQ color 157.6600, 33.0120, -3.5640.



This preview shows how white text looks on a background with the YIQ color 157.6600, 33.0120, -3.5640.

-3.5640.

# 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

157.6600, 33.0120, -3.5640

### Protanopia

156.7290, 19.3960, -10.1080

### Deuteranopia

157.6600, 33.0120, -3.5640



## Tritanopia

160.1220, 23.5640, 13.4840

# Trichromacy



## Original Color

157.6600, 33.0120, -3.5640

## Protanomaly

156.9470, 24.7140, -7.3660

## Deuteranomaly

157.6600, 33.0120, -3.5640

## Tritanomaly

159.2870, 27.2330, 7.5610

# Monochromacy



## Original Color

157.6600, 33.0120, -3.5640

## Achromatopsia

158.0000, -0.0000, 0.0000

## Achromatomaly

157.7040, 12.5170, -1.0750

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 157.6600, 33.0120, -3.5640 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(187, 151, 115)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 115)  
}
```

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(187, 151, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 115) }
```

## Border

The CSS property to change the border of an element to YIQ 157.6600, 33.0120, -3.5640 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".

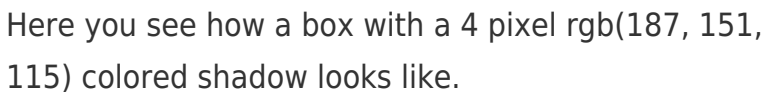
```
.border, #border, table{ border:4px solid rgb(187, 151, 115) }
```



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

```
.border{ border-color:rgb(187, 151, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 151, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 115);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
115) }
```

# Background

The CSS property to change the background color of an element to YIQ 157.6600, 33.0120, -3.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 115) }
```

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

```
.background{ background-color: rgb(187,  
151, 115) }
```

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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