

# Converting Colors

YIQ(117.1690, 33.3770, 6.3450)

Have a look what the booklet for  
YIQ(117.1690, 33.3770, 6.3450)  
contains.

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# Color

**YIQ(117.1690, 33.3770,  
6.3450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99685B
RGB	153, 104, 91
RGB Percent	60%, 41%, 36%
CMY	0.3999, 0.5922, 0.6430
CMYK	0.00, 0.32, 0.41, 0.40
HSL	13°, 25%, 48%
HSV	13°, 41%, 60%
XYZ	19.9802, 17.4274, 12.2165
YIQ	117.1690, 33.3770, 6.3450

# Conversions

## Conversions Part 2

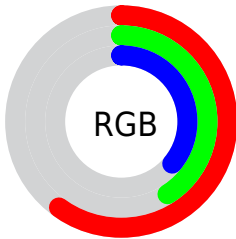
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 107, 91
Decimal	10053723
CIE <sub>Lab</sub>	48.79, 18.01, 15.25
CIE <sub>LCh</sub>	49, 23.602, 40.256
Yxy	17.4274, 0.4026, 0.3512
Android (android.graphics.Color)	4288243803 (0xFF99685B)
YUV	117.1690, -12.9013, 31.4238
Hunter-Lab	41.7462, 12.3765, 11.8718

# Details

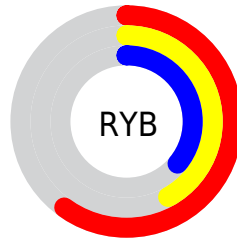
The YIQ color **117.1690, 33.3770, 6.3450** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **126.8310, -33.3770, -6.3450**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **169.5500, 36.6780, 7.0940**, and **67.9020, 29.7550, 5.9070** is the 20% darker color. If you saturate the color by 10%, you get **108.4150, 41.4920, 7.9560**, and if you desaturate by 10%, it is **125.9230, 25.2620, 4.7340**.

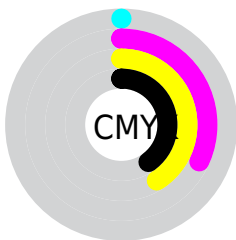
# Distribution



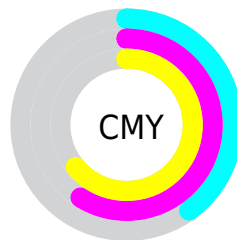
- Red (60%)
- Green (41%)
- Blue (36%)



- Red (60%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (32%)
- Yellow (41%)
- Black (40%)




- Cyan (40%)
- Magenta (59%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.1690, 33.3770, 6.3450 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 117.1690, 33.3770, 6.3450 by changing the saturation by 10% instead.





 117.1690, 33.3770,  
6.3450


 117.1690, 33.3770,  
6.3450


255.0000, -0.0000,  
-0.0000


 92.3860, 31.2680,  
6.0200


 169.5500, 36.6780,  
7.0940


 67.9020, 29.7550,  
5.9070


 197.1480, 37.8700,  
7.5180

 44.8200, 27.0500,  
5.3700

 221.7450, 31.6350,  
4.8750

 22.8800, 26.8210,  
4.0130

 241.3730, 14.9470,  
-1.0610

 7.8880, 15.1750,  
5.8230

 254.5440, 1.2840,  
-1.2440

 0.0000, 0.0000,  
0.0000

■ 117.1690, 33.3770,  
6.3450

■ 117.1690, 33.3770,  
6.3450

■ 108.4150, 41.4920,  
7.9560

■ 125.9230, 25.2620,  
4.7340

■ 99.5470, 49.9280,  
9.2560

■ 134.7910, 16.8260,  
3.4340

■ 90.7930, 58.0430,  
10.8670

■ 143.5450, 8.7110,  
1.8230

■ 82.0390, 66.1580,  
12.4780

■ 152.2990, 0.5960,  
0.2120

■ 72.6980, 74.5480,  
14.6120

■ 161.7540, -8.1150,  
-1.6110

■ 64.5310, 82.3880,  
15.7000

■ 170.5080,  
-16.2300, -3.2220

■ 179.2620,  
-24.3450, -4.8330

■ 188.0160,

-32.4600, -6.4440

■ 196.8840,  
-40.8960, -7.7440

# Harmonies

## Analogous

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



118.1720, 29.2950, 14.2470



117.1690, 33.3770, 6.3450



115.7350, 28.4270, -3.0690

# Triad

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



117.1690, 33.3770, 6.3450



108.6130, -21.5000, -17.8520



115.0750, -21.7800, 9.2600

# Complementary

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



117.1690, 33.3770, 6.3450



126.8310, -33.3770, -6.3450

# 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.



109.9860, -40.9430, -1.3830



117.1690, 33.3770, 6.3450



105.2010, -40.7110, -16.6070

# Square

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



117.1690, 33.3770, 6.3450



111.5030, -0.6390, -15.9590



105.2850, -49.5150, -11.2350



118.0130, -0.8740, 15.8460



# Rectangle

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



117.1690, 33.3770, 6.3450



115.0390, 21.4590, -8.9490



105.2850, -49.5150, -11.2350



113.9600, -28.8860, 5.8820

# Sweetspot

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



117.1690, 33.3770, 6.3450



185.1110, 12.9290, 2.4730



115.2380, 20.9020, 28.6940



91.0610, 7.1980, 1.7100



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



117.1690, 33.3770, 6.3450



142.6290, 52.6330, 9.7930



134.7790, 25.1270, -9.3450



71.9790, 4.4930, 1.1730



58.8830, 75.4650, 14.5130



5.6480, 6.9230, 1.1870



# Inverse Universe

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



126.8310, -33.3770, -6.3450



157.9580, -52.9080, -10.3160



109.2210, -25.1270, 9.3450



73.4340, -4.2180, -0.6500



81.1170, -75.4650, -14.5130



7.3520, -6.9230, -1.1870



# Previews

## White Background



This preview shows how the YIQ color 117.1690, 33.3770, 6.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

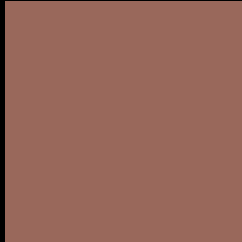
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 117.1690, 33.3770, 6.3450 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 117.1690, 33.3770, 6.3450

## Background



This preview shows how black text looks on a background with the YIQ color 117.1690, 33.3770, 6.3450.



This preview shows how white text looks on a background with the YIQ color 117.1690, 33.3770,

6.3450.

# 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

117.1690, 33.3770, 6.3450

### Protanopia

115.9270, 10.2710, -4.4250

### Deuteranopia

116.6680, 21.3660, -1.7540



## Tritanopia

118.0580, 29.6160, 13.9360

# Trichromacy



## Original Color

117.1690, 33.3770, 6.3450

## Protanomaly

116.6400, 18.5690, -0.6230

## Deuteranomaly

116.7010, 25.7670, 1.0870

## Tritanomaly

117.5480, 30.9920, 11.0240

# Monochromacy



## Original Color

117.1690, 33.3770, 6.3450

## Achromatopsia

117.0000, -0.0000, 0.0000

## Achromatomaly

116.9260, 12.0120, 2.5720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.1690, 33.3770, 6.3450 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(153, 104, 91)` looks like.

```
.text, #text, p{  
    color:rgb(153, 104, 91)  
}
```

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(153, 104, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 104, 91) }
```

## Border

The CSS property to change the border of an element to YIQ 117.1690, 33.3770, 6.3450 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(153, 104, 91) }
```



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

```
.border{ border-color:rgb(153, 104, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 104, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(153, 104,  
91) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.1690, 33.3770, 6.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 104, 91) }
```

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

```
.background{ background-color: rgb(153,  
104, 91) }
```

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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