

# Converting Colors

YIQ(167.5470, -39.4700,  
-33.5980)

Have a look what the booklet for  
YIQ(167.5470, -39.4700, -33.5980)  
contains.

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# Color

**YIQ(167.5470, -39.4700,  
-33.5980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC89A
RGB	109, 200, 154
RGB Percent	43%, 78%, 60%
CMY	0.5728, 0.2155, 0.3962
CMYK	0.46, 0.00, 0.23, 0.22
HSL	150°, 45%, 61%
HSV	150°, 46%, 78%
XYZ	32.7923, 46.9055, 37.8837
YIQ	167.5470, -39.4700, -33.5980

# Conversions

## Conversions Part 2

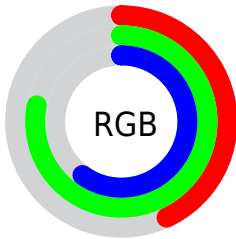
Format	Color
<a href="#">RYB</a>	<a href="#">109, 170, 200</a>
Decimal	<a href="#">7194778</a>
CIELab	<a href="#">74.13, -37.81, 14.73</a>
CIELCh	<a href="#">74, 40.573, 158.716</a>
Yxy	<a href="#">46.9055, 0.2789, 0.3989</a>
Android (android.graphics.Color)	<a href="#">4285384858 (0xFF6DC89A)</a>
YUV	<a href="#">167.5470, -6.6787, -51.3457</a>
Hunter-Lab	<a href="#">68.4876, -34.3865, 15.1452</a>

# Details

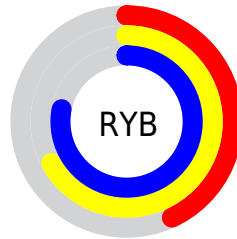
The YIQ color **167.5470, -39.4700, -33.5980** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **141.4530, 39.4700, 33.5980**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.7320, -38.5530, -33.6970**, and **112.7040, -41.3500, -32.5660** is the 20% darker color. If you saturate the color by 10%, you get **160.4270, -48.1800, -40.9480**, and if you desaturate by 10%, it is **174.6670, -30.7600, -26.2480**.

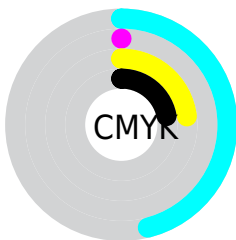
# Distribution



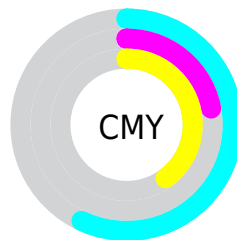
- Red (43%)
- Green (78%)
- Blue (60%)



- Red (43%)
- Yellow (67%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (57%)
- Magenta (22%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 167.5470, -39.4700, -33.5980 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 167.5470, -39.4700, -33.5980 by changing the saturation by 10% instead.



■ 167.5470,  
-39.4700, -33.5980

■ 167.5470,  
-39.4700, -33.5980

■ 255.0000, -0.0000,  
-0.0000

■ 139.7750,  
-40.1120, -32.9760

■ 222.7320,  
-38.5530, -33.6970

■ 112.4050,  
-41.9460, -32.7780

■ 234.4100,  
-31.1740, -18.7420

■ 83.9420, -47.9520,  
-34.0640

■ 245.1330,  
-19.6680, -6.9960

■ 61.5620, -43.8260,  
-31.7460

■ 254.1030, -1.7880,  
-0.6360

■ 44.9660, -30.1640,  
-26.0360

■ 28.4840, -16.8230,  
-20.0150

■ 13.5010, -6.3250,

-12.0290

■ 0.0000, 0.0000,  
0.0000

■ 167.5470,  
-39.4700, -33.5980

■ 167.5470,  
-39.4700, -33.5980

■ 160.4270,  
-48.1800, -40.9480

■ 174.6670,  
-30.7600, -26.2480

■ 153.3070,  
-56.8900, -48.2980

■ 181.7870,  
-22.0500, -18.8980

■ 146.1870,  
-65.6000, -55.6480


■ 188.9070,  
-13.3400, -11.5480


■ 139.0670,  
-74.3100, -62.9980


■ 196.0270, -4.6300,  
-4.1980


■ 131.8330,  
-82.6990, -70.6590


■ 203.2610, 3.7590,  
3.4630

 128.6860,  
-86.7790, -73.8110

 210.3810, 12.4690,  
10.8130

 217.5010, 21.1790,  
18.1630

 220.4350, 21.5450,  
22.5450

 221.5750, 18.3350,  
25.6550

# Harmonies

## Analogous

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



174.2450, -0.4530, -30.3490



167.5470, -39.4700, -33.5980



156.0100, -86.1900, -34.9100

# Triad

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



167.5470, -39.4700, -33.5980



179.5580, -44.8890, 15.0710



183.7010, 61.2980, 12.4500

# Complementary

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



167.5470, -39.4700, -33.5980



141.4530, 39.4700, 33.5980

# 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.



185.4790, 53.7760, 27.6320



167.5470, -39.4700, -33.5980



186.7760, -4.0400, 29.1760

# Square

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



167.5470, -39.4700, -33.5980



165.2270, -87.1580, -6.3420



187.2610, 31.2630, 33.6550



181.7300, 53.1860, -5.7420



# Rectangle

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



167.5470, -39.4700, -33.5980



142.7250, -124.9320, -37.6360



187.2610, 31.2630, 33.6550



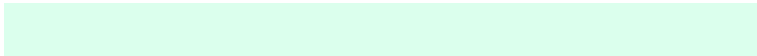
184.3900, 60.9760, 18.2880

# Sweetspot

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



167.5470, -39.4700, -33.5980



242.1840, -15.6780, -13.2300



176.4700, 2.9870, -37.6290



120.1680, -9.5810, -8.0850



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



167.5470, -39.4700, -33.5980



205.0460, -60.6490, -51.7610



172.6770, -53.9150, -19.6030



95.7390, -3.7590, -3.4630



104.9150, -70.8260, -60.0580



23.1840, -15.6780, -13.2300



# Inverse Universe

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



141.4530, 39.4700, 33.5980



164.9540, 60.6490, 51.7610



136.3230, 53.9150, 19.6030



93.2610, 3.7590, 3.4630



58.1990, 70.5050, 60.3690



12.8160, 15.6780, 13.2300



# Previews

## White Background



This preview shows how the YIQ color 167.5470, -39.4700, -33.5980 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 167.5470, -39.4700, -33.5980 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 167.5470, -39.4700, -33.5980 Background



This preview shows how black text looks on a background with the YIQ color 167.5470, -39.4700, -33.5980.



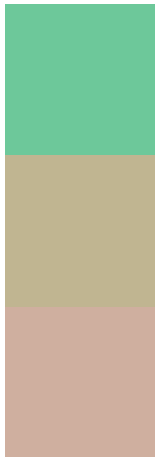
This preview shows how white text looks on a background with the YIQ color 167.5470, -39.4700, -33.5980.

-33.5980.

# 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

167.5470, -39.4700, -33.5980

### Protanopia

180.1850, 18.1120, -8.8640

### Deuteranopia

182.7440, 24.2080, 1.8080



## Tritanopia

173.7800, -46.5350, -10.1750

# Trichromacy



## Original Color

167.5470, -39.4700, -33.5980



## Protanomaly

175.6660, -2.6560, -17.9520



## Deuteranomaly

177.0350, 0.9190, -11.1530



## Tritanomaly

171.7660, -43.9200, -19.0240

# Monochromacy



## Original Color

167.5470, -39.4700, -33.5980



## Achromatopsia

168.0000, -0.0000, -0.0000



## Achromatomaly

168.1950, -14.2110, -12.2830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 167.5470, -39.4700, -33.5980 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(109, 200, 154)` looks like.

```
.text, #text, p{  
    color:rgb(109, 200, 154)  
}
```

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(109, 200, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 200, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 167.5470, -39.4700, -33.5980 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(109, 200, 154) }
```



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

```
.border{ border-color:rgb(109, 200, 154) }
```

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

Here you see how a box with a 4 pixel rgb(109, 200, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 200, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 200, 154);  
box-shadow:4px 4px 4px 4px rgb(109, 200,  
154) }
```

# Background

The CSS property to change the background color of an element to YIQ 167.5470, -39.4700, -33.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 200, 154) }
```

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

```
.background{ background-color: rgb(109,  
200, 154) }
```

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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