

# Converting Colors

YIQ(133.6330, -5.9160, 8.1000)

Have a look what the booklet for  
YIQ(133.6330, -5.9160, 8.1000)  
contains.

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# Color

**YIQ(133.6330, -5.9160,  
8.1000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85829A
RGB	133, 130, 154
RGB Percent	52%, 51%, 60%
CMY	0.4784, 0.4902, 0.3961
CMYK	0.14, 0.16, 0.00, 0.40
HSL	248°, 11%, 56%
HSV	248°, 16%, 60%
XYZ	23.4881, 23.2847, 33.8236
YIQ	133.6330, -5.9160, 8.1000

# Conversions

## Conversions Part 2

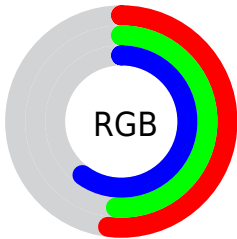
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 130, 154
Decimal	8749722
CIE <sub>Lab</sub>	55.36, 6.16, -12.41
CIE <sub>LCh</sub>	55, 13.855, 296.405
Yxy	23.2847, 0.2914, 0.2889
Android (android.graphics.Color)	4286939802 (0xFF85829A)
YUV	133.6330, 10.0409, -0.5551
Hunter-Lab	48.2542, 2.4412, -7.7812

# Details

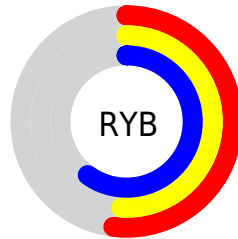
The YIQ color **133.6330, -5.9160, 8.1000** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **150.3670, 5.9160, -8.1000**, and the grayscale version is **134.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **186.7470, -6.2370, 8.4110**, and **84.1060, -5.8700, 7.2660** is the 20% darker color. If you saturate the color by 10%, you get **120.9410, -9.5390, 13.1890**, and if you desaturate by 10%, it is **146.3250, -2.2930, 3.0110**.

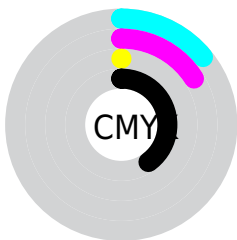
# Distribution



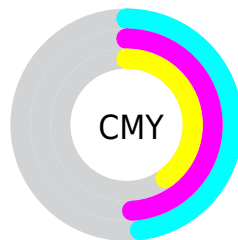
- Red (52%)
- Green (51%)
- Blue (60%)



- Red (52%)
- Yellow (51%)
- Blue (60%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (49%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.6330, -5.9160, 8.1000 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 133.6330, -5.9160, 8.1000 by changing the saturation by 10% instead.



■ 133.6330, -5.9160,  
8.1000

■ 133.6330, -5.9160,  
8.1000

■ 255.0000, -0.0000,  
-0.0000

■ 108.5190, -5.5950,  
7.7890

■ 186.7470, -6.2370,  
8.4110

■ 84.1060, -5.8700,  
7.2660

■ 214.2740, -6.2830,  
9.2450

■ 60.9920, -5.5490,  
6.9550

■ 241.7210, -3.3480,  
5.6120

■ 38.8780, -5.2280,  
6.6440

■ 18.0630, -4.3110,  
6.5450

■ 1.2540, -3.5310,  
3.4210

■ 0.0000, 0.0000,

0.0000

■ 133.6330, -5.9160,  
8.1000

■ 133.6330, -5.9160,  
8.1000

■ 120.9410, -9.5390,  
13.1890

■ 146.3250, -2.2930,  
3.0110

■ 107.3630,  
-13.4830, 18.5890

■ 159.9030, 1.6510,  
-2.3890

■ 94.6710, -17.1060,  
23.6780

■ 172.5950, 5.2740,  
-7.4780

■ 81.0930, -21.0500,  
29.0780

■ 186.1730, 9.2180,  
-12.8780

■ 68.4010, -24.6730,  
34.1670

■ 198.8650, 12.8410,  
-17.9670

■ 55.4100, -28.8920,  
39.0440

■ 211.8560, 17.0600,  
-22.8440

■ 42.1310, -32.2400,  
44.6560

■ 225.1350, 20.4080,  
-28.4560

■ 29.1400, -36.4590,  
49.5330

■ 238.1260, 24.6270,  
-33.3330

■ 23.2370, -38.1100,  
51.9220

■ 243.1870, 31.8250,  
-31.6230

# Harmonies

## Analogous

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



131.4250, -17.1940, 3.2380



133.6330, -5.9160, 8.1000



134.5590, 6.0960, 10.6720

# Triad

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



133.6330, -5.9160, 8.1000



133.1780, 19.9900, 1.1580



128.8080, -17.3750, -10.0070

# Complementary

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



133.6330, -5.9160, 8.1000



150.3670, 5.9160, -8.1000

# 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.



129.5550, -6.4170, -10.3610



133.6330, -5.9160, 8.1000



132.3790, 14.8100, -4.0860

# Square

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



133.6330, -5.9160, 8.1000



134.5250, 20.6310, 6.0630



131.0680, 5.3200, -8.3120



128.0940, -23.9320, -6.8120



# Rectangle

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



133.6330, -5.9160, 8.1000



135.2670, 12.7900, 10.5020



131.0680, 5.3200, -8.3120



128.6620, -14.0280, -10.0920

# Sweetspot

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



133.6330, -5.9160, 8.1000



192.7380, -2.0180, 3.5340



145.0630, -13.4790, -3.5190



96.9830, -1.3300, 2.0780



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



133.6330, -5.9160, 8.1000



168.8270, -9.2180, 12.8780



137.2210, 1.2360, 10.6440



70.2110, -1.9720, 2.7000



21.3420, -34.2120, 47.3560



2.0800, -2.9810, 4.4670



# Inverse Universe

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



139.5700, 7.5630, 11.6190



178.2380, 11.7340, 18.6300



146.7790, -1.2360, -10.6440



72.1900, 2.5210, 3.8730



55.8820, 43.9570, 67.9330



5.1410, 4.2170, 6.1770



# Previews

## White Background



This preview shows how the YIQ color 133.6330, -5.9160, 8.1000 looks on a white 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



# Black Background



This preview shows how the YIQ color 133.6330, -5.9160, 8.1000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

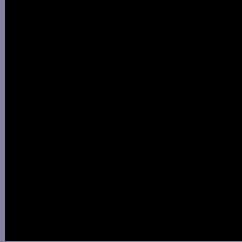
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 133.6330, -5.9160, 8.1000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 133.6330, -5.9160, 8.1000.



This preview shows how white text looks on a background with the YIQ color 133.6330, -5.9160,

8.1000.

# 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

133.6330, -5.9160, 8.1000

### Protanopia

132.8390, -9.4920, 6.8280

### Deuteranopia

133.6440, -4.4490, 9.0470



## Tritanopia

132.8410, -3.8060, 2.8980

# Trichromacy



## Original Color

133.6330, -5.9160, 8.1000

## Protanomaly

133.4370, -8.3000, 7.2520

## Deuteranomaly

133.3450, -5.0450, 8.8350

## Tritanomaly

133.0090, -4.2190, 4.8770

# Monochromacy



## Original Color

133.6330, -5.9160, 8.1000

## Achromatopsia

134.0000, -0.0000, -0.0000

## Achromatomaly

134.2110, -1.9720, 2.7000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.6330, -5.9160, 8.1000 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(133, 130, 154)` looks like.

```
.text, #text, p{  
    color:rgb(133, 130, 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(133, 130, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 130, 154) }
```

## Border

The CSS property to change the border of an element to YIQ 133.6330, -5.9160, 8.1000 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(133, 130, 154) }
```



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

```
.border{ border-color:rgb(133, 130, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 130, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 130, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 130, 154);  
box-shadow:4px 4px 4px 4px rgb(133, 130,  
154) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.6330, -5.9160, 8.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 130, 154) }
```

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

```
.background{ background-color: rgb(133,  
130, 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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