

# Converting Colors

YIQ(137.9300, -11.0060,  
12.2420)

Have a look what the booklet for  
YIQ(137.9300, -11.0060, 12.2420)  
contains.

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# Color

**YIQ(137.9300, -11.0060,  
12.2420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8785AB
RGB	135, 133, 171
RGB Percent	53%, 52%, 67%
CMY	0.4706, 0.4784, 0.3295
CMYK	0.21, 0.22, 0.00, 0.33
HSL	243°, 18%, 60%
HSV	243°, 22%, 67%
XYZ	25.7292, 24.8659, 41.9623
YIQ	137.9300, -11.0060, 12.2420

# Conversions

## Conversions Part 2

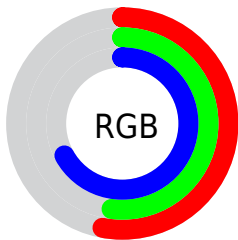
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 133, 171
Decimal	8881579
CIE Lab	56.94, 9.03, -19.78
CIE LCh	57, 21.741, 294.535
Yxy	24.8659, 0.2780, 0.2687
Android (android.graphics.Color)	4287071659 (0xFF8785AB)
YUV	137.9300, 16.3035, -2.5696
Hunter-Lab	49.8657, 4.8354, -14.9868

# Details

The YIQ color  $137.9300, -11.0060, 12.2420$  is a dark color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $166.0700, 11.0060, -12.2420$ , and the grayscale version is  $138.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $191.4570, -11.0520, 13.0760$ , and  $88.2890, -10.6390, 11.0970$  is the 20% darker color. If you saturate the color by 10%, you get  $123.1670, -15.8670, 17.7410$ , and if you desaturate by 10%, it is  $152.6930, -6.1450, 6.7430$ .

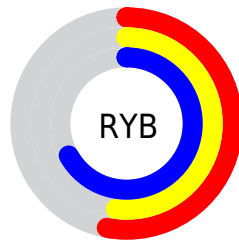
# Distribution



Red (53%)

Green (52%)

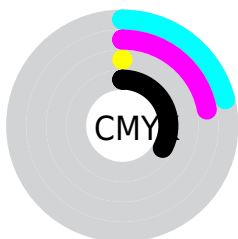
Blue (67%)



Red (53%)

Yellow (52%)

Blue (67%)

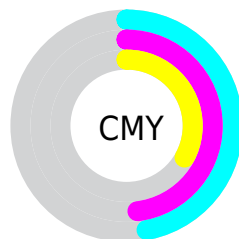


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (48%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 137.9300, -11.0060, 12.2420 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 137.9300, -11.0060, 12.2420 by changing the saturation by 10% instead.



■ 137.9300,  
-11.0060, 12.2420

■ 137.9300,  
-11.0060, 12.2420

■ 255.0000, -0.0000,  
-0.0000

■ 112.4030,  
-10.9600, 11.4080

■ 191.4570,  
-11.0520, 13.0760

■ 88.2890, -10.6390,  
11.0970

■ 219.5710,  
-11.3730, 13.3870

■ 64.7620, -10.5930,  
10.2630

■ 244.3790, -2.3850,  
4.6790

■ 42.2350, -10.5470,  
9.4290

■ 21.4090, -11.0970,  
8.3830

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,

0.0000

■ 137.9300,  
-11.0060, 12.2420

■ 137.9300,  
-11.0060, 12.2420

■ 123.1670,  
-15.8670, 17.7410

■ 152.6930, -6.1450,  
6.7430

■ 108.4040,  
-20.7280, 23.2400

■ 167.4560, -1.2840,  
1.2440

■ 93.3420, -26.1850,  
28.5270

■ 182.5180, 4.1730,  
-4.0430

■ 78.5790, -31.0460,  
34.0260

■ 197.2810, 9.0340,  
-9.5420

■ 63.8160, -35.9070,  
39.5250

■ 212.0440, 13.8950,  
-15.0410

■ 48.4660, -40.4930,  
45.5470

■ 227.3940, 18.4810,  
-21.0630

■ 33.7030, -45.3540,  
51.0460

■ 242.1570, 23.3420,  
-26.5620

■ 22.1850, -49.5270,  
55.0890

■ 245.4240, 26.9640,  
-26.1240

# Harmonies

## Analogous

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



133.7210, -29.7110, 4.3130



137.9300, -11.0060, 12.2420



139.9170, 8.2040, 16.5240

# Triad

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



137.9300, -11.0060, 12.2420



137.5660, 30.5810, 1.9490



128.8450, -27.9650, -16.3250

# Complementary

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



137.9300, -11.0060, 12.2420



166.0700, 11.0060, -12.2420

# 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.



131.5990, -9.7170, -16.6370



137.9300, -11.0060, 12.2420



135.9900, 23.1550, -6.6450

# Square

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



137.9300, -11.0060, 12.2420



139.0210, 31.0380, 10.1900



133.8740, 8.6220, -13.0900



127.8360, -40.9410, -12.4370



# Rectangle

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



137.9300, -11.0060, 12.2420



139.7780, 18.8410, 16.4810



133.8740, 8.6220, -13.0900



129.9550, -22.4630, -16.9190

# Sweetspot

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



137.9300, -11.0060, 12.2420



208.1230, -4.5400, 5.1880



158.4640, -22.0980, -7.0100



104.3250, -2.2930, 3.0110



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



137.9300, -11.0060, 12.2420



169.7370, -17.4720, 19.2960



143.6110, 0.3180, 16.2700



79.0260, -2.8890, 2.7990



19.4920, -43.3820, 48.3460



2.9210, -6.7870, 7.3650



# Inverse Universe

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



148.4660, 11.0920, 19.2520



186.4380, 17.4630, 30.4470



160.3890, -0.3180, -16.2700



81.6030, 2.7960, 4.3960



61.1520, 43.4970, 76.2730



9.3850, 6.6460, 11.7180



# Previews

## White Background



This preview shows how the YIQ color 137.9300, -11.0060, 12.2420 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 137.9300, -11.0060, 12.2420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

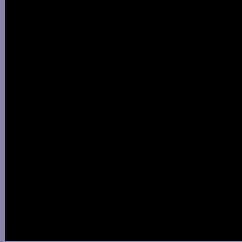
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 137.9300, -11.0060, 12.2420

## Background



This preview shows how black text looks on a background with the YIQ color 137.9300, -11.0060, 12.2420.



This preview shows how white text looks on a background with the YIQ color 137.9300, -11.0060,



# 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

137.9300, -11.0060, 12.2420

### Protanopia

136.9400, -16.9660, 10.1220

### Deuteranopia

137.6200, -13.0690, 11.0830



## Tritanopia

136.4600, -7.1070, 2.1490

# Trichromacy



## Original Color

137.9300, -11.0060, 12.2420

## Protanomaly

137.1360, -14.5820, 10.9700

## Deuteranomaly

137.9190, -12.4730, 11.2950

## Tritanomaly

137.0840, -8.8040, 5.3720

# Monochromacy



## Original Color

137.9300, -11.0060, 12.2420

## Achromatopsia

138.0000, -0.0000, -0.0000

## Achromatomaly

137.8950, -3.8980, 4.5660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 137.9300, -11.0060, 12.2420 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(135, 133, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 171)  
}
```

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(135, 133, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 171) }
```

## Border

The CSS property to change the border of an element to YIQ 137.9300, -11.0060, 12.2420 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(135, 133, 171) }
```



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

```
.border{ border-color:rgb(135, 133, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
171) }
```

# Background

The CSS property to change the background color of an element to YIQ 137.9300, -11.0060, 12.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 171) }
```

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

```
.background{ background-color: rgb(135,  
133, 171) }
```

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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