

# Converting Colors

YIQ(133.1290, -12.7040,  
20.9920)

Have a look what the booklet for  
YIQ(133.1290, -12.7040, 20.9920)  
contains.

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# Color

**YIQ(133.1290, -12.7040,  
20.9920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	867BB7
RGB	134, 123, 183
RGB Percent	53%, 48%, 72%
CMY	0.4744, 0.5177, 0.2824
CMYK	0.27, 0.33, 0.00, 0.28
HSL	251°, 29%, 60%
HSV	251°, 33%, 72%
XYZ	25.4612, 22.6523, 47.8167
YIQ	133.1290, -12.7040, 20.9920

# Conversions

## Conversions Part 2

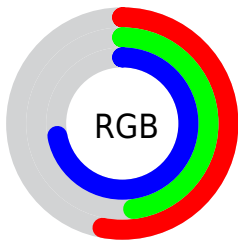
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 123, 183
Decimal	8813495
CIE <sub>Lab</sub>	54.71, 17.52, -30.10
CIE <sub>LCh</sub>	55, 34.831, 300.203
Yxy	22.6523, 0.2654, 0.2361
Android (android.graphics.Color)	4287003575 (0xFF867BB7)
YUV	133.1290, 24.5864, 0.7639
Hunter-Lab	47.5945, 12.2001, -26.2506

# Details

The YIQ color  $133.1290, -12.7040, 20.9920$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $172.8710, 12.7040, -20.9920$ , and the grayscale version is  $133.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $186.1830, -12.7960, 22.6600$ , and  $83.0750, -12.6120, 19.3240$  is the 20% darker color. If you saturate the color by 10%, you get  $118.0780, -16.6940, 27.2260$ , and if you desaturate by 10%, it is  $148.1800, -8.7140, 14.7580$ .

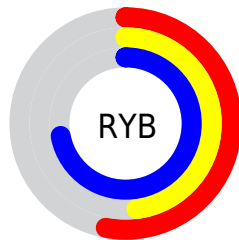
# Distribution



Red (53%)

Green (48%)

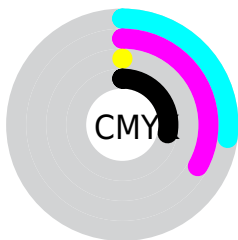
Blue (72%)



Red (53%)

Yellow (48%)

Blue (72%)

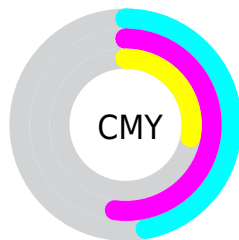


Cyan (27%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (47%)

Magenta (52%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.1290, -12.7040, 20.9920 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 133.1290, -12.7040, 20.9920 by changing the saturation by 10% instead.



■ 133.1290,  
-12.7040, 20.9920

■ 133.1290,  
-12.7040, 20.9920

■ 255.0000, -0.0000,  
-0.0000

■ 107.6020,  
-12.6580, 20.1580

■ 186.1830,  
-12.7960, 22.6600

■ 83.0750, -12.6120,  
19.3240

■ 212.8150, -8.9440,  
18.9280

■ 59.7220, -13.1160,  
17.4440

■ 237.9220, 0.6400,  
10.4320

■ 36.5970, -14.2620,  
16.1860

■ 13.8850, -15.1330,  
15.4510

■ 5.1640, -11.7850,  
9.8390

■ 1.0260, -2.8890,

2.7990

■ 0.0000, 0.0000,  
0.0000

■ 133.1290,  
-12.7040, 20.9920

■ 133.1290,  
-12.7040, 20.9920

■ 118.0780,  
-16.6940, 27.2260

■ 148.1800, -8.7140,  
14.7580

■ 102.4400,  
-20.4090, 33.9830

■ 163.8180, -4.9990,  
8.0010

■ 87.3890, -24.3990,  
40.2170

■ 178.8690, -1.0090,  
1.7670

■ 72.3380, -28.3890,  
46.4510

■ 193.9200, 2.9810,  
-4.4670

■ 57.2870, -32.3790,  
52.6850

■ 208.9710, 6.9710,  
-10.7010

■ 41.6490, -36.0940,  
59.4420

■ 224.6090, 10.6860,  
-17.4580

■ 31.0280, -38.4790,  
64.1210

■ 239.6600, 14.6760,  
-23.6920

■ 246.4930, 22.5160,  
-22.6040

■ 246.7920, 23.1120,  
-22.3920

# Harmonies

## Analogous

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



125.5480, -48.0970, 7.1270



133.1290, -12.7040, 20.9920



134.6290, 18.2430, 27.3230

# Triad

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



133.1290, -12.7040, 20.9920



130.8850, 45.6200, -0.7800



110.0790, -64.2750, -30.0910

# Complementary

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



133.1290, -12.7040, 20.9920



172.8710, 12.7040, -20.9920

# 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.



120.4460, -22.8280, -26.8280



133.1290, -12.7040, 20.9920



128.5530, 31.4550, -13.8970

# Square

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



133.1290, -12.7040, 20.9920



132.4100, 49.0560, 14.0480



125.3650, 8.2570, -22.9990



103.9420, -91.5100, -26.5980



# Rectangle

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



133.1290, -12.7040, 20.9920



134.3010, 33.7860, 26.4740



125.3650, 8.2570, -22.9990



114.6310, -48.2740, -28.2260

# Sweetspot

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



133.1290, -12.7040, 20.9920



217.2310, -4.7240, 8.5240



158.6030, -32.7350, -6.9670



107.6070, -3.0270, 5.3010



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



133.1290, -12.7040, 20.9920



160.5710, -19.4000, 32.2160



142.0990, 5.1760, 27.3520



84.3250, -2.2930, 3.0110



26.4550, -32.7920, 54.6640



4.6870, -6.0080, 9.7680



# Inverse Universe

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



146.5260, 20.0310, 27.9590



181.0580, 30.7570, 42.8290



163.9010, -5.1760, -27.3520



86.4890, 3.1170, 4.0850



61.1220, 52.2090, 72.5690



10.9940, 9.3050, 13.0890



# Previews

## White Background



This preview shows how the YIQ color 133.1290, -12.7040, 20.9920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

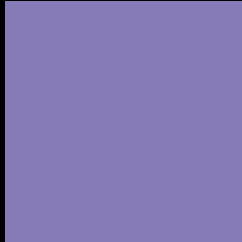
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.1290, -12.7040, 20.9920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

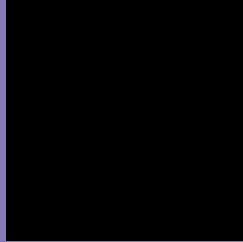
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 133.1290, -12.7040, 20.9920

## Background



This preview shows how black text looks on a background with the YIQ color 133.1290, -12.7040, 20.9920.



This preview shows how white text looks on a background with the YIQ color 133.1290, -12.7040,



# 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

133.1290, -12.7040, 20.9920

### Protanopia

130.6430, -29.0710, 14.7450

### Deuteranopia

130.5570, -25.9530, 13.3030



## Tritanopia

130.7590, -6.5110, 2.3610

# Trichromacy



## Original Color

133.1290, -12.7040, 20.9920

## Protanomaly

131.6330, -23.1110, 16.8650

## Deuteranomaly

131.4760, -21.2310, 15.8330

## Tritanomaly

131.6050, -8.7130, 9.2310

# Monochromacy



## Original Color

133.1290, -12.7040, 20.9920

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

132.7040, -4.6780, 7.6900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.1290, -12.7040, 20.9920 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(134, 123, 183)` looks like.

```
.text, #text, p{  
    color:rgb(134, 123, 183)  
}
```

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(134, 123, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 123, 183) }
```

## Border

The CSS property to change the border of an element to YIQ 133.1290, -12.7040, 20.9920 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(134, 123, 183) }
```



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

```
.border{ border-color:rgb(134, 123, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 123, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 123, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 123, 183);  
box-shadow:4px 4px 4px 4px rgb(134, 123,  
183) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.1290, -12.7040, 20.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 123, 183) }
```

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

```
.background{ background-color: rgb(134,  
123, 183) }
```

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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