

# Converting Colors

YIQ(128.9170, -0.9640, 6.4600)

Have a look what the booklet for  
YIQ(128.9170, -0.9640, 6.4600)  
contains.

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# Color

**YIQ(128.9170, -0.9640,  
6.4600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	847D8D
RGB	132, 125, 141
RGB Percent	52%, 49%, 55%
CMY	0.4823, 0.5098, 0.4471
CMYK	0.06, 0.11, 0.00, 0.45
HSL	266°, 7%, 52%
HSV	266°, 11%, 55%
XYZ	21.6574, 21.4955, 28.2053
YIQ	128.9170, -0.9640, 6.4600

# Conversions

## Conversions Part 2

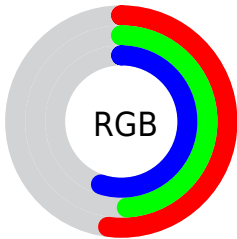
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 125, 141
Decimal	8682893
CIE Lab	53.49, 5.88, -7.69
CIE LCh	53, 9.677, 307.403
Yxy	21.4955, 0.3035, 0.3012
Android (android.graphics.Color)	4286872973 (0xFF847D8D)
YUV	128.9170, 5.9569, 2.7038
Hunter-Lab	46.3633, 2.2460, -3.6150

# Details

The YIQ color  $128.9170, -0.9640, 6.4600$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $137.0830, 0.9640, -6.4600$ , and the grayscale version is  $129.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $182.0310, -1.2850, 6.7710$ , and  $79.8030, -0.6430, 6.1490$  is the 20% darker color. If you saturate the color by 10%, you get  $118.3070, -1.8820, 12.0860$ , and if you desaturate by 10%, it is  $139.5270, -0.0460, 0.8340$ .

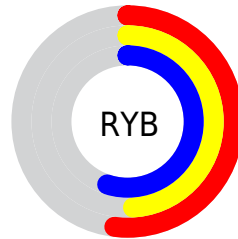
# Distribution



Red (52%)

Green (49%)

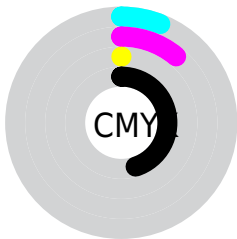
Blue (55%)



Red (52%)

Yellow (49%)

Blue (55%)

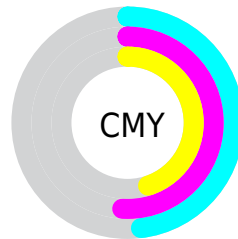


Cyan (6%)

Magenta (11%)

Yellow (0%)

Black (45%)



Cyan (48%)

Magenta (51%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.9170, -0.9640, 6.4600 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 128.9170, -0.9640, 6.4600 by changing the saturation by 10% instead.



■ 128.9170, -0.9640,  
6.4600

■ 128.9170, -0.9640,  
6.4600

■ 255.0000, -0.0000,  
-0.0000

■ 103.8030, -0.6430,  
6.1490

■ 182.0310, -1.2850,  
6.7710

■ 79.8030, -0.6430,  
6.1490

■ 209.4440, -1.0100,  
7.2940

■ 56.3900, -0.9180,  
5.6260

■ 237.4440, -1.0100,  
7.2940

■ 35.2760, -0.5970,  
5.3150

■ 13.5150, 0.2280,  
6.8840

■ 0.0000, 0.0000,  
0.0000

■ 128.9170, -0.9640,  
6.4600

■ 128.9170, -0.9640,  
6.4600

■ 118.3070, -1.8820,  
12.0860

■ 139.5270, -0.0460,  
0.8340

■ 107.6970, -2.8000,  
17.7120

■ 150.1370, 0.8720,  
-4.7920

■ 97.0870, -3.7180,  
23.3380

■ 160.7470, 1.7900,  
-10.4180

■ 86.4770, -4.6360,  
28.9640

■ 171.3570, 2.7080,  
-16.0440

■ 75.8670, -5.5540,  
34.5900

■ 181.9670, 3.6260,  
-21.6700

■ 64.6700, -6.1970,  
40.7390

■ 193.1640, 4.2690,  
-27.8190

■ 54.3590, -6.5190,  
46.5770


■ 203.4750, 4.5910,  
-33.6570

■ 43.7490, -7.4370,

■ 214.0850, 5.5090,

52.2030

-39.2830

 34.6120, -8.3090,  
56.9950

 224.6950, 6.4270,  
-44.9090

# Harmonies

## Analogous

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



128.0300, -8.7120, 3.7040



128.9170, -0.9640, 6.4600



129.6360, 7.1970, 7.2370

# Triad

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



128.9170, -0.9640, 6.4600



128.1170, 12.7920, -0.5520



125.1830, -13.9370, -6.2330

# Complementary

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



128.9170, -0.9640, 6.4600



137.0830, 0.9640, -6.4600

# 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.



125.3640, -7.1970, -7.2370



128.9170, -0.9640, 6.4600



127.2580, 7.8410, -4.4390

# Square

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



128.9170, -0.9640, 6.4600



129.0080, 14.7170, 3.1090



126.0830, 0.9640, -6.4600



125.2090, -16.8260, -3.4340



# Rectangle

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



128.9170, -0.9640, 6.4600



129.3760, 10.8650, 6.8410



126.0830, 0.9640, -6.4600



125.1400, -12.3780, -6.9540

# Sweetspot

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



128.9170, -0.9640, 6.4600



179.5810, -0.1380, 2.5020



132.1070, -7.6110, 0.2690



89.0540, -0.0920, 1.6680



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



128.9170, -0.9640, 6.4600



164.2530, -1.7900, 10.4180



131.3090, 3.8040, 8.1560



65.6950, -0.4590, 2.8130



33.0310, -8.1710, 54.4930



1.8090, -0.7800, 3.1240



# Inverse Universe

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



130.8100, 6.6470, 6.1910



167.3700, 11.0020, 9.8660



134.6910, -3.8040, -8.1560



66.5490, 2.8880, 2.7280



49.0290, 56.0640, 52.2560



2.8480, 3.4840, 2.9400



# Previews

## White Background



This preview shows how the YIQ color 128.9170, -0.9640, 6.4600 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 128.9170, -0.9640, 6.4600 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 128.9170, -0.9640, 6.4600**

## **Background**



This preview shows how black text looks on a background with the YIQ color 128.9170, -0.9640, 6.4600.



This preview shows how white text looks on a background with the YIQ color 128.9170, -0.9640,

6.4600.

# 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

128.9170, -0.9640, 6.4600

### Protanopia

128.4110, -5.4110, 4.4530

### Deuteranopia

128.9280, 0.5030, 7.4070



## Tritanopia

128.6350, -0.2300, 4.1700

# Trichromacy



## Original Color

128.9170, -0.9640, 6.4600

## Protanomaly

128.4220, -3.9440, 5.4000

## Deuteranomaly

128.6290, -0.0930, 7.1950

## Tritanomaly

128.8630, -0.8720, 4.7920

# Monochromacy



## Original Color

128.9170, -0.9640, 6.4600

## Achromatopsia

129.0000, 0.0000, 0.0000

## Achromatomaly

129.1680, -0.4130, 1.9790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.9170, -0.9640, 6.4600 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(132, 125, 141)` looks like.

```
.text, #text, p{  
    color:rgb(132, 125, 141)  
}
```

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(132, 125, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 125, 141) }
```

## Border

The CSS property to change the border of an element to YIQ 128.9170, -0.9640, 6.4600 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(132, 125, 141) }
```



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

```
.border{ border-color:rgb(132, 125, 141) }
```

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

Here you see how a box with a 4 pixel rgb(132, 125, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 125, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 125, 141);  
box-shadow:4px 4px 4px 4px rgb(132, 125,  
141) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.9170, -0.9640, 6.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 125, 141) }
```

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

```
.background{ background-color: rgb(132,  
125, 141) }
```

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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