

# Converting Colors

YIQ(128.9890, -9.4940, 17.8820)

Have a look what the booklet for  
YIQ(128.9890, -9.4940, 17.8820)  
contains.

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# Color

**YIQ(128.9890, -9.4940,  
17.8820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8378AA
RGB	131, 120, 170
RGB Percent	51%, 47%, 67%
CMY	0.4862, 0.5294, 0.3334
CMYK	0.23, 0.29, 0.00, 0.33
HSL	253°, 23%, 57%
HSV	253°, 29%, 67%
XYZ	23.3321, 21.1599, 40.8751
YIQ	128.9890, -9.4940, 17.8820

# Conversions

## Conversions Part 2

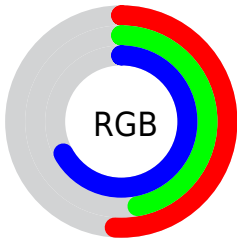
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 120, 170
Decimal	8616106
CIE <sub>Lab</sub>	53.12, 15.12, -25.10
CIE <sub>LCh</sub>	53, 29.301, 301.070
Yxy	21.1599, 0.2733, 0.2479
Android (android.graphics.Color)	4286806186 (0xFF8378AA)
YUV	128.9890, 20.2184, 1.7636
Hunter-Lab	45.9999, 10.0393, -20.4847

# Details

The YIQ color  $128.9890, -9.4940, 17.8820$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $161.0110, 9.4940, -17.8820$ , and the grayscale version is  $129.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $181.9290, -9.2650, 19.2390$ , and  $79.6360, -9.9980, 16.0020$  is the 20% darker color. If you saturate the color by 10%, you get  $115.1230, -12.5670, 24.0170$ , and if you desaturate by 10%, it is  $142.8550, -6.4210, 11.7470$ .

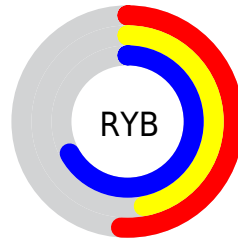
# Distribution



Red (51%)

Green (47%)

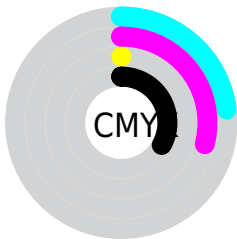
Blue (67%)



Red (51%)

Yellow (47%)

Blue (67%)

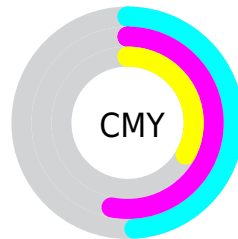


Cyan (23%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (53%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.9890, -9.4940, 17.8820 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 128.9890, -9.4940, 17.8820 by changing the saturation by 10% instead.



■ 128.9890, -9.4940,  
17.8820

■ 128.9890, -9.4940,  
17.8820

■ 255.0000, -0.0000,  
-0.0000

■ 103.4620, -9.4480,  
17.0480

■ 181.9290, -9.2650,  
19.2390

■ 79.6360, -9.9980,  
16.0020

■ 210.0430, -9.5860,  
19.5500

■ 56.1090, -9.9520,  
15.1680

■ 234.9650, -0.9190,  
11.1530

■ 34.1690, -10.1810,  
13.8110

■ 10.8920, -7.8430,  
15.4930

■ 3.4370, -8.3000,  
7.2520

■ 0.0000, 0.0000,

0.0000

■ 128.9890, -9.4940,  
17.8820

■ 128.9890, -9.4940,  
17.8820

■ 115.1230,  
-12.5670, 24.0170

■ 142.8550, -6.4210,  
11.7470

■ 101.2570,  
-15.6400, 30.1520

■ 157.0200, -2.7520,  
5.8240

■ 87.0920, -19.3090,  
36.0750

■ 170.8860, 0.3210,  
-0.3110

■ 73.2260, -22.3820,  
42.2100

■ 184.7520, 3.3940,  
-6.4460

■ 59.3600, -25.4550,  
48.3450

■ 198.6180, 6.4670,  
-12.5810

■ 45.4940, -28.5280,  
54.4800

■ 212.7830, 10.1360,  
-18.5040

■ 31.3290, -32.1970,  
60.4030

■ 226.6490, 13.2090,  
-24.6390

■ 30.4430, -32.5180,  
60.7140

■ 239.9280, 16.5570,  
-30.2510

■ 243.8150, 24.3050,  
-27.4950

# Harmonies

## Analogous

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



123.4090, -37.4600, 7.0840



128.9890, -9.4940, 17.8820



130.6130, 15.1720, 22.4040

# Triad

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



128.9890, -9.4940, 17.8820



126.8780, 38.3300, -0.8220



112.5050, -47.6790, -22.4870

# Complementary

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



128.9890, -9.4940, 17.8820



161.0110, 9.4940, -17.8820

# 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.



118.3480, -19.4360, -22.2200



128.9890, -9.4940, 17.8820



125.3830, 26.1820, -11.9460

# Square

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



128.9890, -9.4940, 17.8820



128.5230, 41.3080, 11.2920



122.2170, 5.9180, -19.1540



107.5810, -71.2000, -20.2240



# Rectangle

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



128.9890, -9.4940, 17.8820



129.9150, 28.8810, 21.7530



122.2170, 5.9180, -19.1540



115.0670, -37.6380, -22.7420

# Sweetspot

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



128.9890, -9.4940, 17.8820



205.4760, -4.0360, 7.0680



148.5930, -26.7750, -4.8470



102.2650, -2.0640, 4.3680



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.



128.9890, -9.4940, 17.8820



157.9750, -14.9060, 27.8620



136.4640, 5.4060, 23.1820



77.5100, -1.3760, 2.9120



26.7390, -27.8400, 53.0240



3.4760, -4.0360, 7.0680



# Inverse Universe

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



139.3960, 17.2810, 22.7290



174.2760, 26.9070, 35.5070



153.5360, -5.4060, -23.1820



79.0760, 2.8420, 3.5620



57.3620, 51.2930, 67.1410



7.8040, 6.7840, 9.2160



# Previews

## White Background



This preview shows how the YIQ color 128.9890, -9.4940, 17.8820 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 128.9890, -9.4940, 17.8820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

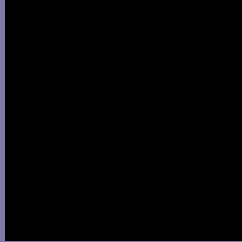
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 128.9890, -9.4940, 17.8820**

## **Background**



This preview shows how black text looks on a background with the YIQ color 128.9890, -9.4940, 17.8820.



This preview shows how white text looks on a background with the YIQ color 128.9890, -9.4940,



# 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

128.9890, -9.4940, 17.8820

### Protanopia

126.6990, -23.4770, 12.4830

### Deuteranopia

127.3250, -19.4880, 11.7760



## Tritanopia

126.8410, -3.8060, 2.8980

# Trichromacy



## Original Color

128.9890, -9.4940, 17.8820

## Protanomaly

127.5040, -18.4340, 14.7020

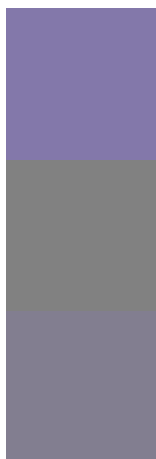
## Deuteranomaly

127.6460, -15.9580, 13.8820

## Tritanomaly

127.6330, -5.9160, 8.1000

# Monochromacy



## Original Color

128.9890, -9.4940, 17.8820

## Achromatopsia

129.0000, 0.0000, 0.0000

## Achromatomaly

129.2480, -3.3940, 6.4460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.9890, -9.4940, 17.8820 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(131, 120, 170)` looks like.

```
.text, #text, p{  
    color:rgb(131, 120, 170)  
}
```

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(131, 120, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 120, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 128.9890, -9.4940, 17.8820 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(131, 120, 170) }
```



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

```
.border{ border-color:rgb(131, 120, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 120, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 120, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 120, 170);  
box-shadow:4px 4px 4px 4px rgb(131, 120,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.9890, -9.4940, 17.8820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 120, 170) }
```

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

```
.background{ background-color: rgb(131,  
120, 170) }
```

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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