

# Converting Colors

YIQ(128.4990, 5.1840, -16.8640)

Have a look what the booklet for  
YIQ(128.4990, 5.1840, -16.8640)  
contains.

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# Color

**YIQ(128.4990, 5.1840,  
-16.8640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B8A5E
RGB	123, 138, 94
RGB Percent	48%, 54%, 37%
CMY	0.5177, 0.4588, 0.6313
CMYK	0.11, 0.00, 0.32, 0.46
HSL	80°, 19%, 45%
HSV	80°, 32%, 54%
XYZ	19.2765, 23.1969, 14.0544
YIQ	128.4990, 5.1840, -16.8640

# Conversions

## Conversions Part 2

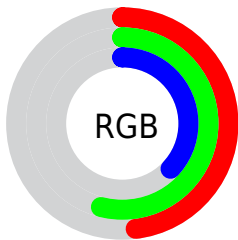
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 138, 109
Decimal	8096350
CIELab	55.27, -13.45, 21.81
CIELCh	55, 25.627, 121.667
Yxy	23.1969, 0.3410, 0.4104
Android (android.graphics.Color)	4286286430 (0xFF7B8A5E)
YUV	128.4990, -17.0080, -4.8226
Hunter-Lab	48.1632, -12.8441, 16.4129

# Details

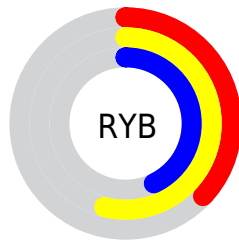
The YIQ color  $128.4990, 5.1840, -16.8640$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $103.5010, -5.1840, 16.8640$ , and the grayscale version is  $129.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $181.2710, 5.8260, -17.4860$ , and  $79.1400, 4.8170, -15.7190$  is the 20% darker color. If you saturate the color by 10%, you get  $125.4080, 6.6980, -22.2780$ , and if you desaturate by 10%, it is  $131.5900, 3.6700, -11.4500$ .

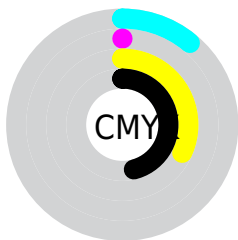
# Distribution



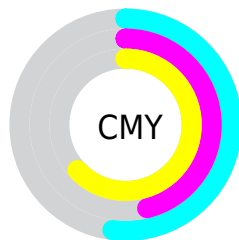
- Red (48%)
- Green (54%)
- Blue (37%)



- Red (37%)
- Yellow (54%)
- Blue (43%)



- Cyan (11%)
- Magenta (0%)
- Yellow (32%)
- Black (46%)



- Cyan (52%)
- Magenta (46%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.4990, 5.1840, -16.8640 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 128.4990, 5.1840, -16.8640 by changing the saturation by 10% instead.



■ 128.4990, 5.1840,  
-16.8640

■ 128.4990, 5.1840,  
-16.8640

■ 255.0000, -0.0000,  
-0.0000

■ 103.6130, 4.8630,  
-16.5530

■ 181.2710, 5.8260,  
-17.4860

■ 78.8410, 4.2210,  
-15.9310

■ 209.0430, 6.4680,  
-18.1080

■ 55.9550, 3.9000,  
-15.6200

■ 237.6300, 6.1930,  
-18.6310

■ 33.9120, 5.4590,  
-16.3410

■ 251.8080, 8.9880,  
-8.7080

■ 13.5010, -6.3250,  
-12.0290

■ 0.0000, 0.0000,  
0.0000

■ 128.4990, 5.1840,  
-16.8640

■ 128.4990, 5.1840,  
-16.8640

■ 125.4080, 6.6980,  
-22.2780

■ 131.5900, 3.6700,  
-11.4500

■ 122.6160, 8.8080,  
-27.4800

■ 134.3820, 1.5600,  
-6.2480

■ 119.6390, 10.0010,  
-32.5830

■ 137.3590, 0.3670,  
-1.1450

■ 116.5480, 11.5150,  
-37.9970

■ 140.4500, -1.1470,  
4.2690

■ 113.4570, 13.0290,  
-43.4110

■ 143.5410, -2.6610,  
9.6830

■ 110.6650, 15.1390,  
-48.6130

■ 146.3330, -4.7710,  
14.8850

■ 108.2150, 16.2860,  
-52.8820

■ 149.4240, -6.2850,  
20.2990

■ 152.4010, -7.4780,

25.4020

■ 155.1930, -9.5880,  
30.6040

# Harmonies

## Analogous

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



130.8820, 23.3390, -9.9810



128.4990, 5.1840, -16.8640



125.5980, -17.1440, -19.7040

# Triad

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



128.4990, 5.1840, -16.8640



123.8000, -49.2870, -4.3510



135.4650, 30.0280, 17.4840

# Complementary

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



128.4990, 5.1840, -16.8640



103.5010, -5.1840, 16.8640

# 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.



135.8470, 14.3930, 20.0010



128.4990, 5.1840, -16.8640



130.1170, -30.7660, 6.9140

# Square

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



128.4990, 5.1840, -16.8640



119.8390, -54.1910, -14.5990



134.3050, -7.5680, 16.0160



134.4300, 37.1360, 9.8080



# Rectangle

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



128.4990, 5.1840, -16.8640



122.6980, -32.0450, -19.4770



134.3050, -7.5680, 16.0160



135.3660, 25.9930, 19.0250

# Sweetspot

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



128.4990, 5.1840, -16.8640



174.8550, 1.6060, -7.0820



115.9610, 22.0990, 1.4830



86.9630, 1.4220, -3.7460



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



128.4990, 5.1840, -16.8640



164.0720, 7.5240, -26.2360



121.9210, -7.9280, -21.5280



67.3050, 0.4590, -2.8130



104.0840, 15.2770, -51.1150



3.8320, 0.4130, -1.9790



# Inverse Universe

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



103.5010, -5.1840, 16.8640



125.6290, -8.1200, 26.0240



110.0790, 7.9280, 21.5280



63.3960, -1.0550, 2.6010



28.6170, -15.8730, 50.9030



1.1680, -0.4130, 1.9790



# Previews

## White Background



This preview shows how the YIQ color 128.4990, 5.1840, -16.8640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

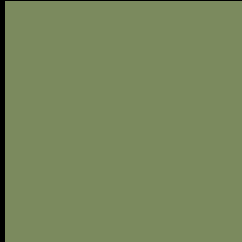
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 128.4990, 5.1840, -16.8640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

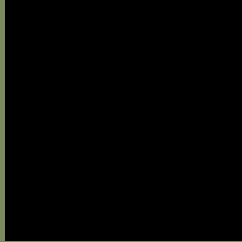
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 128.4990, 5.1840, -16.8640

## Background



This preview shows how black text looks on a background with the YIQ color 128.4990, 5.1840, -16.8640.



This preview shows how white text looks on a background with the YIQ color 128.4990, 5.1840, -16.8640.

-16.8640.

# 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

128.4990, 5.1840, -16.8640

### Protanopia

130.7290, 19.3960, -10.1080

### Deuteranopia

132.1370, 27.2350, -3.4930



## Tritanopia

132.5420, -4.4020, 2.6860

# Trichromacy



## Original Color

128.4990, 5.1840, -16.8640

## Protanomaly

129.9240, 14.3530, -12.3270

## Deuteranomaly

130.7830, 19.3040, -8.4400

## Tritanomaly

130.8810, -1.2830, -4.2830

# Monochromacy



## Original Color

128.4990, 5.1840, -16.8640

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

128.3820, 1.5600, -6.2480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.4990, 5.1840, -16.8640 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(123, 138, 94)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 94)  
}
```

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(123, 138, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 94) }
```

## Border

The CSS property to change the border of an element to YIQ 128.4990, 5.1840, -16.8640 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(123, 138, 94) }
```



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

```
.border{ border-color:rgb(123, 138, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 94);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
94) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.4990, 5.1840, -16.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 94) }
```

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

```
.background{ background-color: rgb(123,  
138, 94) }
```

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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