

# Converting Colors

YIQ(186.1230, 3.4870, -13.6410)

Have a look what the booklet for  
YIQ(186.1230, 3.4870, -13.6410)  
contains.

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# Color

**YIQ(186.1230, 3.4870,  
-13.6410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5C29F
RGB	181, 194, 159
RGB Percent	71%, 76%, 62%
CMY	0.2902, 0.2392, 0.3764
CMYK	0.07, 0.00, 0.18, 0.24
HSL	82°, 22%, 69%
HSV	82°, 18%, 76%
XYZ	44.6048, 50.9117, 40.2816
YIQ	186.1230, 3.4870, -13.6410

# Conversions

## Conversions Part 2

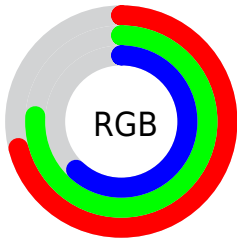
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 194, 172
Decimal	11911839
CIELab	76.63, -10.69, 16.12
CIELCh	77, 19.348, 123.554
Yxy	50.9117, 0.3285, 0.3749
Android (android.graphics.Color)	4290101919 (0xFFB5C29F)
YUV	186.1230, -13.3716, -4.4929
Hunter-Lab	71.3524, -13.2803, 16.4748

# Details

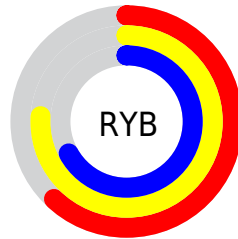
The YIQ color  $186.1230, 3.4870, -13.6410$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $166.8770, -3.4870, 13.6410$ , and the grayscale version is  $186.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $242.0090, 3.8080, -13.9520$ , and  $132.6500, 3.4410, -12.8070$  is the 20% darker color. If you saturate the color by 10%, you get  $181.8640, 5.4140, -21.0340$ , and if you desaturate by 10%, it is  $190.3820, 1.5600, -6.2480$ .

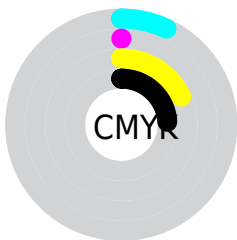
# Distribution



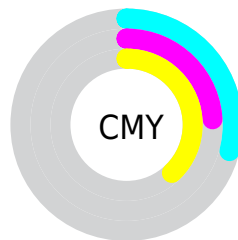
- Red (71%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.1230, 3.4870, -13.6410 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 186.1230, 3.4870, -13.6410 by changing the saturation by 10% instead.



■ 186.1230, 3.4870,  
-13.6410

■ 186.1230, 3.4870,  
-13.6410

255.0000, -0.0000,  
-0.0000

■ 159.2370, 3.1660,  
-13.3300

■ 242.5960, 3.5330,  
-14.4750

■ 132.6500, 3.4410,  
-12.8070

■ 253.5180, 4.1730,  
-4.0430

■ 107.7640, 3.1200,  
-12.4960

■ 82.9920, 2.4780,  
-11.8740

■ 60.1060, 2.1570,  
-11.5630

■ 38.2200, 1.8360,  
-11.2520

■ 17.3660, -1.5110,

-11.1670

■ 0.0000, 0.0000,  
0.0000

■ 186.1230, 3.4870,  
-13.6410

■ 186.1230, 3.4870,  
-13.6410

■ 181.8640, 5.4140,  
-21.0340

■ 190.3820, 1.5600,  
-6.2480

■ 177.4910, 7.6620,  
-28.7380

■ 194.7550, -0.6880,  
1.4560

■ 172.9330, 8.9930,  
-36.3430

■ 199.3130, -2.0190,  
9.0610

■ 168.5600, 11.2410,  
-44.0470

■ 203.6860, -4.2670,  
16.7650

■ 164.3010, 13.1680,  
-51.4400

■ 207.8310, -5.8730,  
23.8470

■ 160.0420, 15.0950,  
-58.8330

■ 209.9240, -1.7010,  
25.3310

■ 155.3700, 16.7470,  
-66.7490

■ 212.3160, 3.0670,  
27.0270

■ 151.1110, 18.6740,  
-74.1420

■ 214.4090, 7.2390,  
28.5110

■ 150.3560, 19.3620,  
-75.5980

■ 216.5020, 11.4110,  
29.9950

# Harmonies

## Analogous

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



188.5980, 18.3870, -8.3410



186.1230, 3.4870, -13.6410



184.0870, -14.0270, -15.6190

# Triad

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



186.1230, 3.4870, -13.6410



184.8080, -34.5700, -1.2420



192.6060, 25.0770, 13.5970

# Complementary

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



186.1230, 3.4870, -13.6410



166.8770, -3.4870, 13.6410

# 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.



192.4290, 12.5140, 15.5060



186.1230, 3.4870, -13.6410



188.4940, -21.6420, 6.7580

# Square

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



186.1230, 3.4870, -13.6410



182.6840, -37.4570, -9.4970



191.2790, -4.6790, 13.2170



191.4400, 31.1760, 7.6880



# Rectangle

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



186.1230, 3.4870, -13.6410



182.6390, -24.3890, -15.0530



191.2790, -4.6790, 13.2170



192.6920, 21.9590, 15.0390

# Sweetspot

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



186.1230, 3.4870, -13.6410



249.4360, 1.4680, -4.5800



177.0960, 17.2850, 0.6210



126.1910, 0.7800, -3.1240



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



186.1230, 3.4870, -13.6410



239.7500, 5.7350, -21.3450



181.0400, -6.6450, -17.2450



94.6640, 0.8260, -3.9580



124.7060, 15.9210, -62.7910



25.6500, 3.4410, -12.8070



# Inverse Universe

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



166.8770, -3.4870, 13.6410



209.5490, -5.1390, 21.5570



171.9600, 6.6450, 17.2450



89.3360, -0.8260, 3.9580



36.2940, -15.9210, 62.7910



7.3500, -3.4410, 12.8070



# Previews

## White Background



This preview shows how the YIQ color 186.1230, 3.4870, -13.6410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

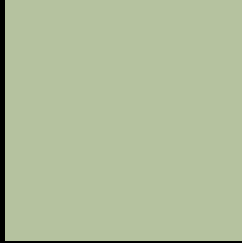
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.1230, 3.4870, -13.6410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

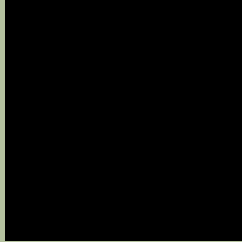
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 186.1230, 3.4870, -13.6410

## Background



This preview shows how black text looks on a background with the YIQ color 186.1230, 3.4870, -13.6410.



This preview shows how white text looks on a background with the YIQ color 186.1230, 3.4870, -13.6410.

-13.6410.

# 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

186.1230, 3.4870, -13.6410

### Protanopia

187.9400, 17.4240, -7.4080

### Deuteranopia

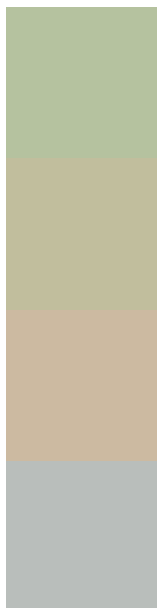
190.1850, 27.2800, 1.2000



## Tritanopia

189.4110, -5.4110, 4.4530

# Trichromacy



## Original Color

186.1230, 3.4870, -13.6410

## Protanomaly

187.1350, 12.3810, -9.6270

## Deuteranomaly

188.5320, 18.7530, -3.9590

## Tritanomaly

188.1630, -2.0170, -1.9930

# Monochromacy



## Original Color

186.1230, 3.4870, -13.6410

## Achromatopsia

186.0000, -0.0000, -0.0000

## Achromatomaly

186.0230, 1.1930, -5.1030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.1230, 3.4870, -13.6410 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(181, 194, 159)` looks like.

```
.text, #text, p{  
    color:rgb(181, 194, 159)  
}
```

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(181, 194, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 194, 159) }
```

## Border

The CSS property to change the border of an element to YIQ 186.1230, 3.4870, -13.6410 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(181, 194, 159) }
```



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

```
.border{ border-color:rgb(181, 194, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 194, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 194, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 194, 159);  
box-shadow:4px 4px 4px 4px rgb(181, 194,  
159) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.1230, 3.4870, -13.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 194, 159) }
```

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

```
.background{ background-color: rgb(181,  
194, 159) }
```

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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