

# Converting Colors

YIQ(118.2130, -31.8170,  
-12.5930)

Have a look what the booklet for  
YIQ(118.2130, -31.8170, -12.5930)  
contains.

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# Color

**YIQ(118.2130, -31.8170,  
-12.5930)**

# Conversions

## Conversions Part 1

Format	Color
Hex	508784
RGB	80, 135, 132
RGB Percent	31%, 53%, 52%
CMY	0.6864, 0.4705, 0.4825
CMYK	0.41, 0.00, 0.02, 0.47
HSL	177°, 26%, 42%
HSV	177°, 41%, 53%
XYZ	16.1353, 20.7035, 24.9642
YIQ	118.2130, -31.8170, -12.5930

# Conversions

## Conversions Part 2

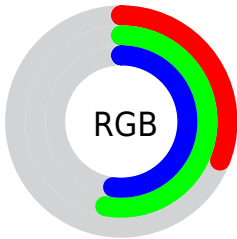
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 108, 135
Decimal	5277572
CIELab	52.62, -18.94, -4.09
CIElCh	53, 19.375, 192.197
Yxy	20.7035, 0.2611, 0.3350
Android (android.graphics.Color)	4283467652 (0xFF508784)
YUV	118.2130, 6.7970, -33.5128
Hunter-Lab	45.5011, -16.3283, -0.6788

# Details

The YIQ color **118.2130, -31.8170, -12.5930** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **96.7870, 31.8170, 12.5930**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.9140, -32.4130, -12.8050**, and **67.7290, -33.3300, -12.7060** is the 20% darker color. If you saturate the color by 10%, you get **113.9130, -39.8400, -15.8720**, and if you desaturate by 10%, it is **122.2140, -24.3900, -9.5260**.

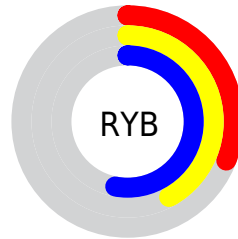
# Distribution



Red (31%)

Green (53%)

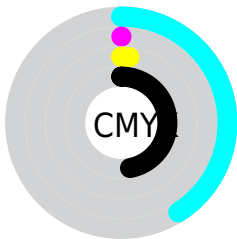
Blue (52%)



Red (31%)

Yellow (42%)

Blue (53%)

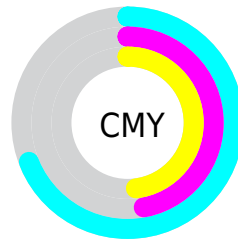


Cyan (41%)

Magenta (0%)

Yellow (2%)

Black (47%)



Cyan (69%)

Magenta (47%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 118.2130, -31.8170, -12.5930 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 118.2130, -31.8170, -12.5930 by changing the saturation by 10% instead.



■ 118.2130,  
-31.8170, -12.5930

■ 118.2130,  
-31.8170, -12.5930

■ 255.0000, -0.0000,  
-0.0000

■ 92.9140, -32.4130,  
-12.8050

■ 170.9140,  
-32.4130, -12.8050

■ 67.7290, -33.3300,  
-12.7060

■ 198.6150,  
-33.0090, -13.0170

■ 43.2340, -36.3100,  
-13.7660

■ 227.2020,  
-33.2840, -13.5400

■ 27.2250, -22.9230,  
-8.5790

■ 243.0400,  
-23.8400, -8.4800

■ 11.9170, -10.1320,  
-3.6040

■ 251.7110, -6.5560,  
-2.3320

■ 0.0000, 0.0000,  
0.0000

■ 118.2130,  
-31.8170, -12.5930

■ 118.2130,  
-31.8170, -12.5930

■ 113.9130,  
-39.8400, -15.8720

■ 122.2140,  
-24.3900, -9.5260

■ 109.9120,  
-47.2670, -18.9390

■ 126.4000,  
-16.0460, -6.5580

■ 105.7260,  
-55.6110, -21.9070

■ 130.4010, -8.6190,  
-3.4910

■ 101.7250,  
-63.0380, -24.9740

■ 134.7010, -0.5960,  
-0.2120

■ 97.4250, -71.0610,  
-28.2530

■ 138.7020, 6.8310,  
2.8550

■ 93.8370, -78.2130,  
-30.7970

■ 142.8880, 15.1750,  
5.8230

■ 146.8890, 22.6020,  
8.8900

■ 151.1890, 30.6250,

12.1690

■ 155.1900, 38.0520,  
15.2360

# Harmonies

## Analogous

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



119.8740, -17.7410, -14.3890



118.2130, -31.8170, -12.5930



119.0370, -36.9530, -7.6170

# Triad

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



118.2130, -31.8170, -12.5930



127.9160, 0.7770, 13.4570



125.6960, 24.1630, -2.8850

# Complementary

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



118.2130, -31.8170, -12.5930



96.7870, 31.8170, 12.5930

# 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.



126.8910, 28.2880, 4.9600



118.2130, -31.8170, -12.5930



128.4570, 15.3110, 14.3750

# Square

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



118.2130, -31.8170, -12.5930



125.7720, -16.5530, 8.1430



128.0250, 25.2150, 11.0950



124.3200, 13.2980, -9.7260



# Rectangle

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



118.2130, -31.8170, -12.5930



120.1670, -34.2030, -2.3870



128.0250, 25.2150, 11.0950



126.0600, 26.1340, -0.0580

# Sweetspot

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



118.2130, -31.8170, -12.5930



169.6070, -12.1950, -4.7630



113.4810, -12.7410, -27.9170



85.4120, -7.1520, -2.5440



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.



118.2130, -31.8170, -12.5930



149.7160, -49.6510, -19.7870



104.4670, -26.1800, 0.8920



64.2060, -3.5760, -1.2720



90.3320, -75.2330, -29.7370



1.9890, -1.4670, -0.9470



# Inverse Universe

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



96.7870, 31.8170, 12.5930



116.2840, 49.6510, 19.7870



110.5330, 26.1800, -0.8920



61.7940, 3.5760, 1.2720



39.6680, 75.2330, 29.7370

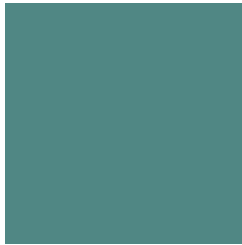


0.8970, 1.7880, 0.6360



# Previews

## White Background



This preview shows how the YIQ color 118.2130, -31.8170, -12.5930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

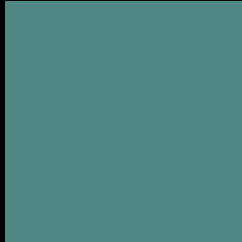
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 118.2130, -31.8170, -12.5930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

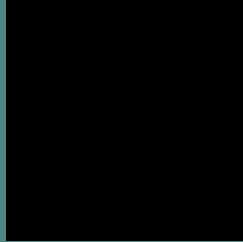
Any Text WCAG AA ✓ Pass

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 118.2130, -31.8170, -12.5930 Background



This preview shows how black text looks on a background with the YIQ color 118.2130, -31.8170, -12.5930.



This preview shows how white text looks on a background with the YIQ color 118.2130, -31.8170,

-12.5930.

# 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

118.2130, -31.8170, -12.5930

### Protanopia

125.1250, 1.1460, 1.2580

### Deuteranopia

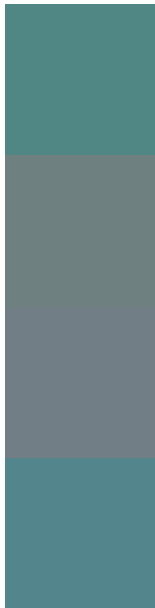
126.1840, 2.6580, 6.8980



## Tritanopia

119.3040, -33.3310, -7.1790

# Trichromacy



## Original Color

118.2130, -31.8170, -12.5930

## Protanomaly

122.6180, -10.7280, -3.8160

## Deuteranomaly

123.3240, -9.7200, -0.0560

## Tritanomaly

119.1360, -32.9180, -9.1580

# Monochromacy



## Original Color

118.2130, -31.8170, -12.5930

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.9060, -11.5990, -4.5510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 118.2130, -31.8170, -12.5930 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(80, 135, 132)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 132)  
}
```

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(80, 135, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 118.2130, -31.8170, -12.5930 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(80, 135, 132) }
```



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

```
.border{ border-color:rgb(80, 135, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 132);  
box-shadow:4px 4px 4px 4px rgb(80, 135,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 118.2130, -31.8170, -12.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 132) }
```

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

```
.background{ background-color: rgb(80, 135,  
132) }
```

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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