

# Converting Colors

YIQ(114.5240, -31.4950,  
-18.4310)

Have a look what the booklet for  
YIQ(114.5240, -31.4950, -18.4310)  
contains.

<b>YIQ(114.5240, -31.4950, -18.4310)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(114.5240, -31.4950,  
-18.4310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	498776
RGB	73, 135, 118
RGB Percent	29%, 53%, 46%
CMY	0.7139, 0.4705, 0.5374
CMYK	0.46, 0.00, 0.13, 0.47
HSL	164°, 30%, 41%
HSV	164°, 46%, 53%
XYZ	14.6805, 20.0574, 20.2284
YIQ	114.5240, -31.4950, -18.4310

# Conversions

## Conversions Part 2

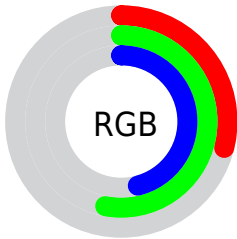
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 109, 135
Decimal	4818806
CIELab	51.90, -24.41, 2.95
CIElCh	52, 24.590, 173.105
Yxy	20.0574, 0.2671, 0.3649
Android (android.graphics.Color)	4283008886 (0xFF498776)
YUV	114.5240, 1.7137, -36.4165
Hunter-Lab	44.7855, -19.8630, 4.5702

# Details

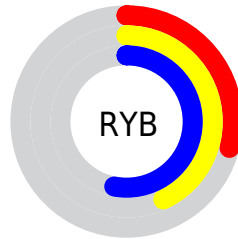
The YIQ color **114.5240, -31.4950, -18.4310** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **93.4760, 31.4950, 18.4310**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.6980, -32.0450, -19.4770**, and **63.2570, -35.1170, -18.8690** is the 20% darker color. If you saturate the color by 10%, you get **109.8820, -38.5550, -22.6430**, and if you desaturate by 10%, it is **118.8670, -25.0310, -14.4310**.

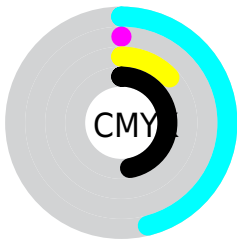
# Distribution



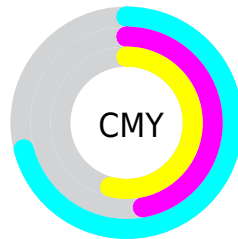
- Red (29%)
- Green (53%)
- Blue (46%)



- Red (29%)
- Yellow (43%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



- Cyan (71%)
- Magenta (47%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.5240, -31.4950, -18.4310 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 114.5240, -31.4950, -18.4310 by changing the saturation by 10% instead.



■ 114.5240,  
-31.4950, -18.4310

■ 114.5240,  
-31.4950, -18.4310

■ 255.0000, -0.0000,  
-0.0000

■ 88.6380, -31.8160,  
-18.1200

■ 167.6980,  
-32.0450, -19.4770

■ 63.2570, -35.1170,  
-18.8690

■ 195.2850,  
-32.3200, -20.0000

■ 41.1650, -31.8620,  
-17.2860

■ 223.2850,  
-32.3200, -20.0000

■ 25.9710, -19.3920,  
-12.0000

■ 240.8330,  
-27.6910, -10.2750

■ 7.6310, -3.5750,  
-6.7990

■ 249.6180,  
-10.7280, -3.8160

■ 0.0000, 0.0000,  
0.0000

■ 114.5240,  
-31.4950, -18.4310

■ 114.5240,  
-31.4950, -18.4310

■ 109.8820,  
-38.5550, -22.6430

■ 118.8670,  
-25.0310, -14.4310

■ 105.6530,  
-45.3400, -26.3320

■ 123.3950,  
-17.6500, -10.5300

■ 101.0110,  
-52.4000, -30.5440

■ 127.7380,  
-11.1860, -6.5300

■ 96.6680, -58.8640,  
-34.5440

■ 132.3800, -4.1260,  
-2.3180

■ 92.0260, -65.9240,  
-38.7560

■ 136.7230, 2.3380,  
1.6820

■ 90.4170, -68.5830,  
-40.1270

■ 141.2510, 9.7190,  
5.5830

■ 145.5940, 16.1830,  
9.5830

■ 150.2360, 23.2430,

13.7950

■ 154.4650, 30.0280,  
17.4840

# Harmonies

## Analogous

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



117.6590, -9.9460, -17.9940



114.5240, -31.4950, -18.4310



111.8350, -48.3680, -15.5040

# Triad

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



114.5240, -31.4950, -18.4310



124.7880, -13.4820, 13.0620



124.8330, 34.2030, 2.3870

# Complementary

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



114.5240, -31.4950, -18.4310



93.4760, 31.4950, 18.4310

# 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.



125.9290, 34.2930, 11.7730



114.5240, -31.4950, -18.4310



126.9710, 8.1120, 18.1920

# Square

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



114.5240, -31.4950, -18.4310



119.9700, -34.8460, 3.7620



126.5400, 25.4430, 17.9790



123.1320, 25.6310, -7.4650



# Rectangle

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



114.5240, -31.4950, -18.4310



112.7300, -52.2660, -10.9380



126.5400, 25.4430, 17.9790



125.1260, 34.9360, 5.6240

# Sweetspot

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



114.5240, -31.4950, -18.4310



167.7270, -12.6530, -7.4770



114.7760, -6.3220, -28.6100



84.0590, -7.6560, -4.4240



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.



114.5240, -31.4950, -18.4310



143.9190, -49.1450, -28.9610



108.8310, -33.3770, -6.3450



63.9780, -2.9340, -1.8940



87.0260, -65.9240, -38.7560



1.9890, -1.4670, -0.9470



# Inverse Universe

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



93.4760, 31.4950, 18.4310



111.0810, 49.1450, 28.9610



99.1690, 33.3770, 6.3450



61.9080, 3.2550, 1.5830



42.9740, 65.9240, 38.7560



1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 114.5240, -31.4950, -18.4310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

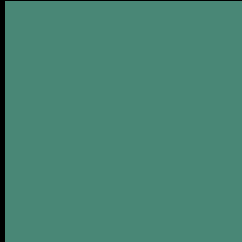
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 114.5240, -31.4950, -18.4310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

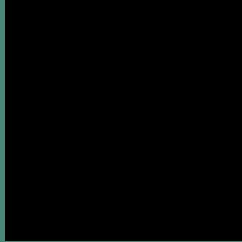
Any Text WCAG AA ✓ Pass

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 114.5240, -31.4950, -18.4310 Background



This preview shows how black text looks on a background with the YIQ color 114.5240, -31.4950, -18.4310.



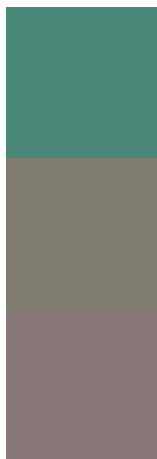
This preview shows how white text looks on a background with the YIQ color 114.5240, -31.4950, -18.4310.

-18.4310.

# 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

114.5240, -31.4950, -18.4310

### Protanopia

123.1270, 6.8320, -2.6720

### Deuteranopia

124.3110, 9.4900, 4.2260



## Tritanopia

117.5920, -34.2020, -7.9140

# Trichromacy



## Original Color

114.5240, -31.4950, -18.4310

## Protanomaly

119.8370, -7.1510, -8.0710

## Deuteranomaly

120.8420, -5.5470, -4.0990

## Tritanomaly

116.2560, -33.3760, -11.8720

# Monochromacy



## Original Color

114.5240, -31.4950, -18.4310

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

114.7380, -11.1860, -6.5300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.5240, -31.4950, -18.4310 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(73, 135, 118)` looks like.

```
.text, #text, p{  
    color:rgb(73, 135, 118)  
}
```

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(73, 135, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 135, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 114.5240, -31.4950, -18.4310 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(73, 135, 118) }
```



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

```
.border{ border-color:rgb(73, 135, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 135, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 135, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 135, 118);  
box-shadow:4px 4px 4px 4px rgb(73, 135,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.5240, -31.4950, -18.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 135, 118) }
```

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

```
.background{ background-color: rgb(73, 135,  
118) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor