

# Converting Colors

YIQ(57.9970, -31.4490,  
-19.2650)

Have a look what the booklet for  
YIQ(57.9970, -31.4490, -19.2650)  
contains.

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# Color

**YIQ(57.9970, -31.4490,  
-19.2650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	104F3C
RGB	16, 79, 60
RGB Percent	6%, 31%, 24%
CMY	0.9374, 0.6901, 0.7648
CMYK	0.80, 0.00, 0.24, 0.69
HSL	162°, 66%, 19%
HSV	162°, 80%, 31%
XYZ	3.8257, 6.0315, 5.2336
YIQ	57.9970, -31.4490, -19.2650

# Conversions

## Conversions Part 2

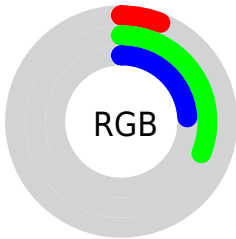
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 53, 79
Decimal	1068860
CIE <sub>Lab</sub>	29.49, -24.73, 5.72
CIE <sub>LCh</sub>	29, 25.383, 166.986
Yxy	6.0315, 0.2535, 0.3997
Android (android.graphics.Color)	4279258940 (0xFF104F3C)
YUV	57.9970, 0.9875, -36.8314
Hunter-Lab	24.5592, -15.1724, 4.5565

# Details

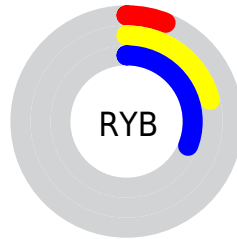
The YIQ color **57.9970, -31.4490, -19.2650** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **37.0030, 31.4490, 19.2650**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **108.8510, -28.1020, -19.3500**, and **22.0100, -15.1280, -12.1840** is the 20% darker color. If you saturate the color by 10%, you get **55.3770, -35.5750, -21.5830**, and if you desaturate by 10%, it is **60.6170, -27.3230, -16.9470**.

# Distribution



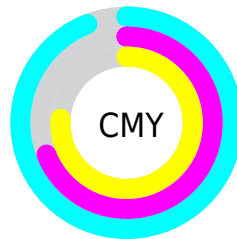
- Red (6%)
- Green (31%)
- Blue (24%)



- Red (6%)
- Yellow (21%)
- Blue (31%)



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)
- Black (69%)



- Cyan (94%)
- Magenta (69%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.9970, -31.4490, -19.2650 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 57.9970, -31.4490, -19.2650 by changing the saturation by 10% instead.



■ 57.9970, -31.4490,  
-19.2650

■ 57.9970, -31.4490,  
-19.2650

■ 255.0000, -0.0000,  
-0.0000

■ 37.2040, -27.5980,  
-17.4700

■ 108.8510,  
-28.1020, -19.3500

■ 22.0100, -15.1280,  
-12.1840

■ 134.4380,  
-28.3770, -19.8730

■ 0.0000, 0.0000,  
0.0000

■ 161.1390,  
-28.9730, -20.0850

■ 188.7260,  
-29.2480, -20.6080

■ 216.6120,  
-28.9270, -20.9190

■ 238.2690,

-26.2230, -14.8550

■ 248.1230,  
-13.7080, -4.8760

■ 57.9970, -31.4490,  
-19.2650

■ 57.9970, -31.4490,  
-19.2650

■ 55.3770, -35.5750,  
-21.5830

■ 60.6170, -27.3230,  
-16.9470

■ 52.6430, -39.3800,  
-24.2120

■ 63.3510, -23.5180,  
-14.3180

■ 65.9710, -19.3920,  
-12.0000

■ 68.7050, -15.5870,  
-9.3710

■ 71.0260, -12.0570,  
-7.2650

■ 73.6460, -7.9310,  
-4.9470

■ 76.3800, -4.1260,  
-2.3180

■ 79.0000, -0.0000,  
0.0000

■ 81.6200, 4.1260,  
2.3180

# Harmonies

## Analogous

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



63.7520, -5.7740, -16.5100



57.9970, -31.4490, -19.2650



56.0800, -47.6800, -16.9600

# Triad

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



57.9970, -31.4490, -19.2650



69.1570, -19.0750, 9.7970



69.3320, 31.3600, 4.3520

# Complementary

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



57.9970, -31.4490, -19.2650



37.0030, 31.4490, 19.2650

# 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.



70.4170, 29.9830, 12.7910



57.9970, -31.4490, -19.2650



71.5790, 3.3440, 16.4960

# Square

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



57.9970, -31.4490, -19.2650



58.4410, -49.6540, -3.2060



71.2020, 20.5830, 17.9510



68.3000, 25.2180, -5.4860



# Rectangle

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



57.9970, -31.4490, -19.2650



56.9750, -51.5780, -12.3940



71.2020, 20.5830, 17.9510



69.3260, 31.4970, 7.3770

# Sweetspot

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



57.9970, -31.4490, -19.2650



94.0260, -12.0570, -7.2650



58.9610, -5.4050, -28.7090



46.0590, -7.6560, -4.4240



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



57.9970, -31.4490, -19.2650



69.2780, -48.7780, -30.1060



53.1190, -34.2480, -7.0800



36.6900, -2.0630, -1.1590



67.9680, -50.8410, -31.2650



153.2500, -114.6100, -70.5300



# Inverse Universe

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



37.0030, 31.4490, 19.2650



36.7220, 48.7780, 30.1060



41.8810, 34.2480, 7.0800



35.4240, 1.7420, 1.4700



34.0320, 50.8410, 31.2650

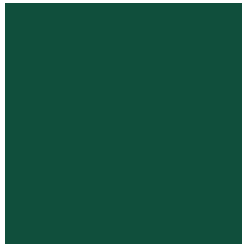


76.6360, 114.9310, 70.2190



# Previews

## White Background



This preview shows how the YIQ color 57.9970, -31.4490, -19.2650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

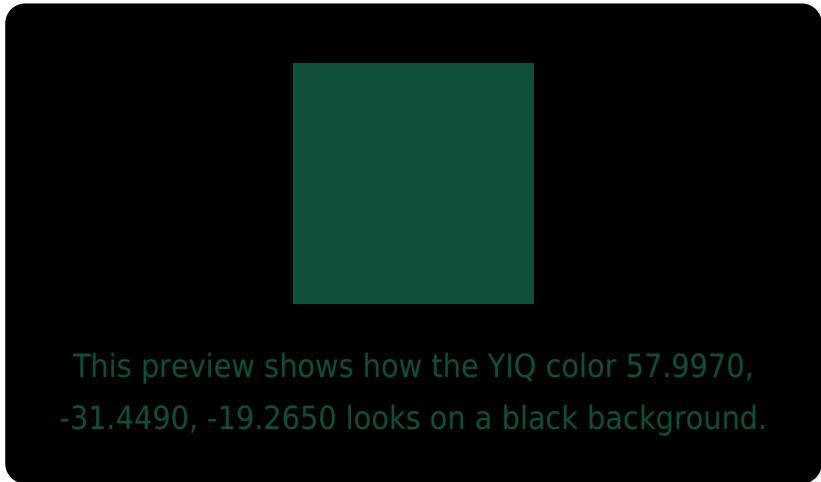
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black 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

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

# YIQ 57.9970, -31.4490, -19.2650

## Background



This preview shows how black text looks on a background with the YIQ color 57.9970, -31.4490, -19.2650.



This preview shows how white text looks on a background with the YIQ color 57.9970, -31.4490,

-19.2650.

# 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

57.9970, -31.4490, -19.2650

### Protanopia

68.8990, 7.4740, -3.2940

### Deuteranopia

70.1320, 8.4360, 1.3000



## Tritanopia

62.6310, -29.9380, -8.0980

# Trichromacy



## Original Color

57.9970, -31.4490, -19.2650

## Protanomaly

65.1960, -6.7840, -9.2160

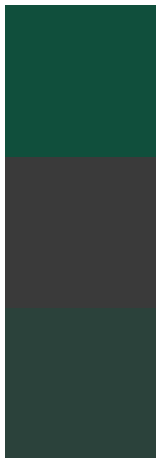
## Deuteranomaly

65.4890, -6.0510, -5.9790

## Tritanomaly

60.8110, -30.6250, -12.1690

# Monochromacy



## Original Color

57.9970, -31.4490, -19.2650

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

58.3250, -11.4610, -7.0530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.9970, -31.4490, -19.2650 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(16, 79, 60)` looks like.

```
.text, #text, p{  
    color:rgb(16, 79, 60)  
}
```

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(16, 79, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 79, 60) }
```

## Border

The CSS property to change the border of an element to YIQ 57.9970, -31.4490, -19.2650 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(16, 79, 60) }
```



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

```
.border{ border-color:rgb(16, 79, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 79, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 79, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 79, 60);  
box-shadow:4px 4px 4px 4px rgb(16, 79, 60)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 57.9970, -31.4490, -19.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 79, 60) }
```

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

```
.background{ background-color: rgb(16, 79,  
60) }
```

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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