

# Converting Colors

YIQ(57.9250, -30.9460,  
-11.8580)

Have a look what the booklet for  
YIQ(57.9250, -30.9460, -11.8580)  
contains.

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# Color

**YIQ(57.9250, -30.9460,  
-11.8580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	154A48
RGB	21, 74, 72
RGB Percent	8%, 29%, 28%
CMY	0.9178, 0.7097, 0.7178
CMYK	0.72, 0.00, 0.03, 0.71
HSL	178°, 56%, 19%
HSV	178°, 72%, 29%
XYZ	3.9275, 5.5271, 6.9854
YIQ	57.9250, -30.9460, -11.8580

# Conversions

## Conversions Part 2

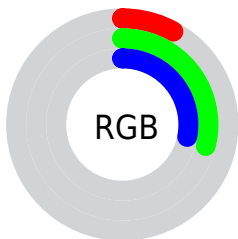
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 48, 74
Decimal	1395272
CIE <sub>Lab</sub>	28.19, -17.60, -3.88
CIE <sub>LCh</sub>	28, 18.021, 192.437
Yxy	5.5271, 0.2389, 0.3362
Android (android.graphics.Color)	4279585352 (0xFF154A48)
YUV	57.9250, 6.9390, -32.3832
Hunter-Lab	23.5098, -11.3219, -1.1600

# Details

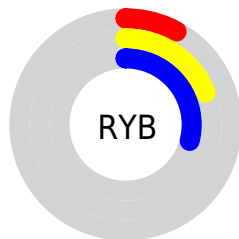
The YIQ color **57.9250, -30.9460, -11.8580** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **37.0750, 30.9460, 11.8580**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **107.7080, -28.8370, -11.5330**, and **21.5030, -17.8340, -7.1940** is the 20% darker color. If you saturate the color by 10%, you get **55.8320, -35.1180, -13.3420**, and if you desaturate by 10%, it is **60.0180, -26.7740, -10.3740**.

# Distribution



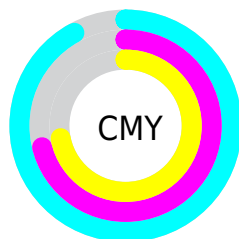
- Red (8%)
- Green (29%)
- Blue (28%)



- Red (8%)
- Yellow (19%)
- Blue (29%)



- Cyan (72%)
- Magenta (0%)
- Yellow (3%)
- Black (71%)



- Cyan (92%)
- Magenta (71%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.9250, -30.9460, -11.8580 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 57.9250, -30.9460, -11.8580 by changing the saturation by 10% instead.



■ 57.9250, -30.9460,  
-11.8580

■ 57.9250, -30.9460,  
-11.8580

■ 255.0000, -0.0000,  
-0.0000

■ 35.6370, -30.0750,  
-11.1230

■ 107.7080,  
-28.8370, -11.5330

■ 21.5030, -17.8340,  
-7.1940

■ 133.4090,  
-29.4330, -11.7450

■ 0.2280, -0.6420,  
0.6220

■ 160.1100,  
-30.0290, -11.9570

■ 0.0000, 0.0000,  
0.0000

■ 187.1100,  
-30.0290, -11.9570

■ 214.8110,  
-30.6250, -12.1690

■ 240.3490,

-29.2040, -10.3880

■ 249.0200,  
-11.9200, -4.2400

■ 57.9250, -30.9460,  
-11.8580

■ 57.9250, -30.9460,  
-11.8580

■ 55.8320, -35.1180,  
-13.3420

■ 60.0180, -26.7740,  
-10.3740

■ 53.3260, -39.5650,  
-15.3490

■ 62.5240, -22.3270,  
-8.3670

■ 51.5320, -43.1410,  
-16.6210

■ 64.6170, -18.1550,  
-6.8830

■ 67.0090, -13.3870,  
-5.1870

■ 69.1020, -9.2150,  
-3.7030

■ 71.3090, -5.3640,  
-1.9080

■ 73.7010, -0.5960,  
-0.2120

■ 75.7940, 3.5760,  
1.2720

■ 78.3000, 8.0230,  
3.2790

# Harmonies

## Analogous

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



60.8250, -16.0450, -12.0850



57.9250, -30.9460, -11.8580



57.3250, -37.8240, -8.3520

# Triad

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



57.9250, -30.9460, -11.8580



68.4490, 0.5940, 11.2660



66.3580, 19.3030, -2.9130

# Complementary

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



57.9250, -30.9460, -11.8580



37.0750, 30.9460, 11.8580

# 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.



66.7270, 22.8780, 3.8860



57.9250, -30.9460, -11.8580



68.3210, 12.6980, 12.1700

# Square

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



57.9250, -30.9460, -11.8580



66.0880, -14.6270, 6.2770



67.9320, 21.0430, 9.6110



64.7050, 10.7760, -8.0720



# Rectangle

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



57.9250, -30.9460, -11.8580



60.1240, -32.6440, -3.1080



67.9320, 21.0430, 9.6110



66.3090, 20.9990, -0.6090

# Sweetspot

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



57.9250, -30.9460, -11.8580



90.6070, -12.1950, -4.7630



53.0080, -12.7870, -27.0830



44.4120, -7.1520, -2.5440



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



57.9250, -30.9460, -11.8580



71.8410, -48.5050, -18.5290



44.0650, -24.9880, 1.3160



36.8040, -2.3840, -0.8480



71.0460, -59.5080, -22.8680



160.2040, -134.1910, -51.5590



# Inverse Universe

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



37.0750, 30.9460, 11.8580



39.1590, 48.5050, 18.5290



50.9350, 24.9880, -1.3160



35.3100, 2.0630, 1.1590



30.9540, 59.5080, 22.8680

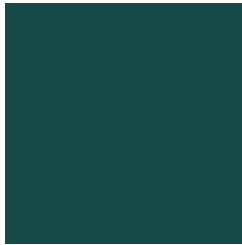


69.7960, 134.1910, 51.5590



# Previews

## White Background



This preview shows how the YIQ color 57.9250, -30.9460, -11.8580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

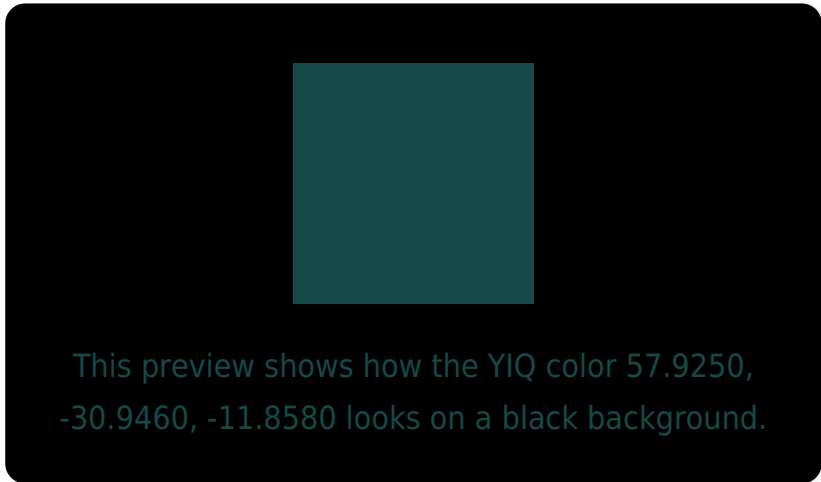
Any Text WCAG AA ✓ Pass

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

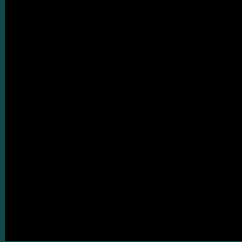
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 57.9250, -30.9460, -11.8580

## Background



This preview shows how black text looks on a background with the YIQ color 57.9250, -30.9460, -11.8580.



This preview shows how white text looks on a background with the YIQ color 57.9250, -30.9460,

-11.8580.

# 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

57.9250, -30.9460, -11.8580

### Protanopia

66.4130, 0.2750, 0.5230

### Deuteranopia

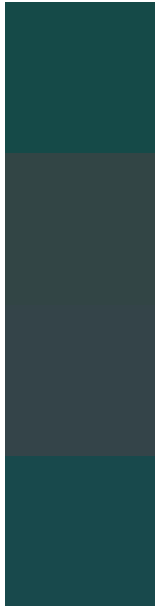
67.2220, -0.5050, 3.6470



## Tritanopia

59.3320, -30.5340, -8.3100

# Trichromacy



## Original Color

57.9250, -30.9460, -11.8580

## Protanomaly

63.3190, -11.3240, -4.0280

## Deuteranomaly

63.7860, -11.1410, -1.8370

## Tritanomaly

58.6910, -30.1670, -9.4550

# Monochromacy



## Original Color

57.9250, -30.9460, -11.8580

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

58.2050, -11.0030, -4.3390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.9250, -30.9460, -11.8580 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(21, 74, 72)` looks like.

```
.text, #text, p{  
    color:rgb(21, 74, 72)  
}
```

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(21, 74, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 74, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 57.9250, -30.9460, -11.8580 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(21, 74, 72) }
```



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

```
.border{ border-color:rgb(21, 74, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 74, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 74, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 74, 72);  
box-shadow:4px 4px 4px 4px rgb(21, 74, 72)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 57.9250, -30.9460, -11.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 74, 72) }
```

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

```
.background{ background-color: rgb(21, 74,  
72) }
```

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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