

# Converting Colors

YIQ(129.9860, -50.1110,  
-11.4470)

Have a look what the booklet for  
YIQ(129.9860, -50.1110, -11.4470)  
contains.

<b>YIQ(129.9860, -50.1110, -11.4470)</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(129.9860, -50.1110,  
-11.4470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B97A6
RGB	75, 151, 166
RGB Percent	29%, 59%, 65%
CMY	0.7060, 0.4077, 0.3492
CMYK	0.55, 0.09, 0.00, 0.35
HSL	190°, 38%, 47%
HSV	190°, 55%, 65%
XYZ	20.8480, 26.3888, 40.0453
YIQ	129.9860, -50.1110, -11.4470

# Conversions

## Conversions Part 2

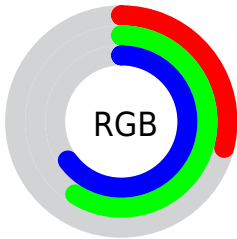
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 116, 166
Decimal	4954022
CIELab	58.40, -19.17, -15.01
CIElCh	58, 24.346, 218.065
Yxy	26.3888, 0.2389, 0.3023
Android (android.graphics.Color)	4283144102 (0xFF4B97A6)
YUV	129.9860, 17.7549, -48.2227
Hunter-Lab	51.3700, -17.4552, -10.2603

# Details

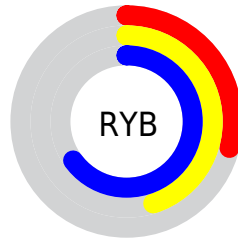
The YIQ color **129.9860, -50.1110, -11.4470** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **111.0140, 50.1110, 11.4470**, and the grayscale version is **130.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **184.6980, -49.2400, -10.7120**, and **71.6960, -64.0940, -16.8460** is the 20% darker color. If you saturate the color by 10%, you get **123.1420, -59.4180, -13.4820**, and if you desaturate by 10%, it is **136.8300, -40.8040, -9.4120**.

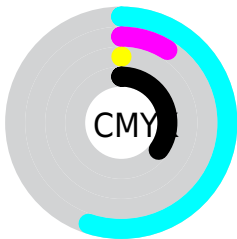
# Distribution



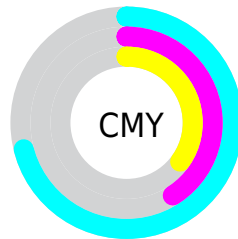
- Red (29%)
- Green (59%)
- Blue (65%)



- Red (29%)
- Yellow (45%)
- Blue (65%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)



- Cyan (71%)
- Magenta (41%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 129.9860, -50.1110, -11.4470 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 129.9860, -50.1110, -11.4470 by changing the saturation by 10% instead.



■ 129.9860,  
-50.1110, -11.4470

■ 129.9860,  
-50.1110, -11.4470

■ 255.0000, -0.0000,  
-0.0000

■ 102.7900,  
-52.4950, -12.2950

■ 184.6980,  
-49.2400, -10.7120

■ 71.6960, -64.0940,  
-16.8460

■ 213.3990,  
-49.8360, -10.9240

■ 54.8720, -49.7900,  
-11.7580

■ 234.6680,  
-40.5280, -14.4160

■ 38.6350, -35.7610,  
-7.1930

■ 243.3390,  
-23.2440, -8.2680

■ 23.8000, -22.9240,  
-3.0520

■ 252.3090, -5.3640,  
-1.9080

■ 3.3230, -7.9790,  
6.9410

■ 0.0000, 0.0000,

0.0000

■ 129.9860,  
-50.1110, -11.4470

■ 129.9860,  
-50.1110, -11.4470

■ 123.1420,  
-59.4180, -13.4820

■ 136.8300,  
-40.8040, -9.4120

■ 117.1840,  
-68.4040, -15.8280

■ 142.7880,  
-31.8180, -7.0660

■ 110.3400,  
-77.7110, -17.8630

■ 149.6320,  
-22.5110, -5.0310

■ 103.7950,  
-86.4220, -19.6860

■ 156.1770,  
-13.8000, -3.2080

■ 100.5170,  
-91.5110, -21.0710

■ 163.0210, -4.4930,  
-1.1730

■ 169.2780, 5.0890,  
1.3850

■ 175.8230, 13.8000,  
3.2080

■ 182.6670, 23.1070,  
5.2430

■ 189.2120, 31.8180,  
7.0660

# Harmonies

## Analogous

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



130.0870, -40.3900, -16.9180



129.9860, -50.1110, -11.4470



134.2030, -43.0520, -1.7080

# Triad

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



129.9860, -50.1110, -11.4470



144.1740, 17.7860, 19.0820



138.7890, 19.1670, -11.4650

# Complementary

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



129.9860, -50.1110, -11.4470



111.0140, 50.1110, 11.4470

# 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.



140.7030, 31.4530, -2.8430



129.9860, -50.1110, -11.4470



143.4820, 31.3580, 15.4060

# Square

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



129.9860, -50.1110, -11.4470



143.0560, -2.4330, 16.5670



141.7780, 36.0360, 7.7160



136.0470, 0.6450, -17.2030



# Rectangle

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



129.9860, -50.1110, -11.4470



137.9920, -31.9120, 5.6560



141.7780, 36.0360, 7.7160



139.7080, 23.8890, -8.9350

# Sweetspot

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



129.9860, -50.1110, -11.4470



203.0130, -19.2100, -4.2820



130.0130, -29.5190, -43.2390



101.3730, -11.4160, -2.3600



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



129.9860, -50.1110, -11.4470



160.1550, -78.6280, -17.7640



104.1580, -38.0110, 11.5650



81.0210, -4.4930, -1.1730



89.6600, -81.6080, -18.8240



12.2590, -11.0950, -2.6710



# Inverse Universe

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



110.8730, 29.8400, 42.9280



130.3230, 47.0290, 67.3250



136.8420, 38.0110, -11.5650



79.1900, 2.5210, 3.8730



58.3880, 48.4040, 69.9400



7.9180, 6.4630, 9.5270



# Previews

## White Background



This preview shows how the YIQ color 129.9860, -50.1110, -11.4470 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 129.9860, -50.1110, -11.4470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

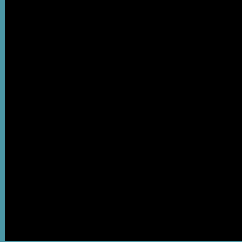
Any Text WCAG AA ✓ Pass

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 129.9860, -50.1110, -11.4470 Background



This preview shows how black text looks on a background with the YIQ color 129.9860, -50.1110, -11.4470.



This preview shows how white text looks on a background with the YIQ color 129.9860, -50.1110, -11.4470.



# 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

129.9860, -50.1110, -11.4470

### Protanopia

140.5680, -7.2910, 5.4850

### Deuteranopia

141.2460, -9.0800, 10.3760



## Tritanopia

129.4590, -50.0650, -12.2810

# Trichromacy



## Original Color

129.9860, -50.1110, -11.4470

## Protanomaly

136.3810, -23.0620, -0.5500

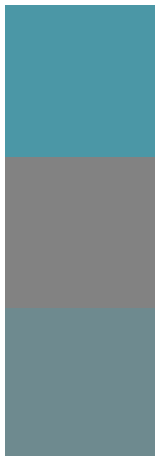
## Deuteranomaly

137.1900, -23.8420, 2.5740

## Tritanomaly

129.5730, -50.3860, -11.9700

# Monochromacy



## Original Color

129.9860, -50.1110, -11.4470

## Achromatopsia

130.0000, -0.0000, -0.0000

## Achromatomaly

130.1980, -18.2930, -4.3810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 129.9860, -50.1110, -11.4470 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(75, 151, 166)` looks like.

```
.text, #text, p{  
    color:rgb(75, 151, 166)  
}
```

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(75, 151, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 151, 166) }
```

## Border

The CSS property to change the border of an element to YIQ 129.9860, -50.1110, -11.4470 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(75, 151, 166) }
```



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

```
.border{ border-color:rgb(75, 151, 166) }
```

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

Here you see how a box with a 4 pixel rgb(75, 151, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 151, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 151, 166);  
box-shadow:4px 4px 4px 4px rgb(75, 151,  
166) }
```

# Background

The CSS property to change the background color of an element to YIQ 129.9860, -50.1110, -11.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 151, 166) }
```

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

```
.background{ background-color: rgb(75, 151,  
166) }
```

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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