

# Converting Colors

YIQ(136.7810, -48.2760,  
-17.1720)

Have a look what the booklet for  
YIQ(136.7810, -48.2760, -17.1720)  
contains.

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# Color

**YIQ(136.7810, -48.2760,  
-17.1720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50A1A1
RGB	80, 161, 161
RGB Percent	31%, 63%, 63%
CMY	0.6865, 0.3685, 0.3688
CMYK	0.50, 0.00, 0.00, 0.37
HSL	180°, 34%, 47%
HSV	180°, 50%, 63%
XYZ	22.4837, 29.7765, 38.2580
YIQ	136.7810, -48.2760, -17.1720

# Conversions

## Conversions Part 2

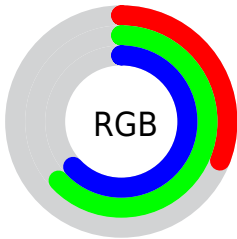
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 121, 161
Decimal	5284257
CIELab	61.46, -24.65, -7.58
CIElCh	61, 25.792, 197.082
Yxy	29.7765, 0.2484, 0.3290
Android (android.graphics.Color)	4283474337 (0xFF50A1A1)
YUV	136.7810, 11.9400, -49.7969
Hunter-Lab	54.5678, -21.9461, -3.3714

# Details

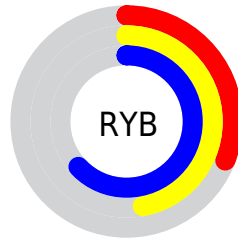
The YIQ color **136.7810, -48.2760, -17.1720** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **104.2190, 48.2760, 17.1720**, and the grayscale version is **137.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **192.0800, -47.6800, -16.9600**, and **80.7090, -56.9410, -19.8290** is the 20% darker color. If you saturate the color by 10%, you get **131.9970, -57.8120, -20.5640**, and if you desaturate by 10%, it is **141.5650, -38.7400, -13.7800**.

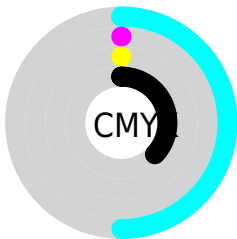
# Distribution



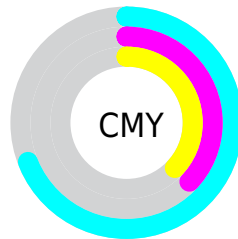
- Red (31%)
- Green (63%)
- Blue (63%)



- Red (31%)
- Yellow (47%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (69%)
- Magenta (37%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.7810, -48.2760, -17.1720 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 136.7810, -48.2760, -17.1720 by changing the saturation by 10% instead.



■ 136.7810,  
-48.2760, -17.1720

■ 136.7810,  
-48.2760, -17.1720

■ 255.0000, -0.0000,  
-0.0000

■ 109.8840,  
-50.0640, -17.8080

■ 192.0800,  
-47.6800, -16.9600

■ 80.2960, -57.2160,  
-20.3520

■ 220.6670,  
-47.9550, -17.4830

■ 58.9980, -50.3850,  
-17.4970

■ 236.1630,  
-37.5480, -13.3560

■ 42.8750, -36.6770,  
-12.6210

■ 244.8340,  
-20.2640, -7.2080

■ 27.4530, -23.5650,  
-7.9570

■ 253.8040, -2.3840,  
-0.8480

■ 8.7370, -9.4450,  
0.4670

■ 0.0000, 0.0000,

0.0000

■ 136.7810,  
-48.2760, -17.1720

■ 136.7810,  
-48.2760, -17.1720

■ 131.9970,  
-57.8120, -20.5640

■ 141.5650,  
-38.7400, -13.7800

■ 127.2130,  
-67.3480, -23.9560

■ 146.3490,  
-29.2040, -10.3880

■ 122.4290,  
-76.8840, -27.3480

■ 151.1330,  
-19.6680, -6.9960

■ 117.6450,  
-86.4200, -30.7400

■ 155.9170,  
-10.1320, -3.6040

■ 112.8610,  
-95.9560, -34.1320

■ 160.7010, -0.5960,  
-0.2120

■ 165.7840, 9.5360,  
3.3920

■ 170.5680, 19.0720,  
6.7840

■ 175.3520, 28.6080,  
10.1760

■ 180.1360, 38.1440,  
13.5680

# Harmonies

## Analogous

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



139.1390, -28.9730, -20.0850



136.7810, -48.2760, -17.1720



138.1860, -53.5500, -9.6940

# Triad

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



136.7810, -48.2760, -17.1720



151.7580, 4.3980, 19.4220



148.4100, 30.7200, -6.0800

# Complementary

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



136.7810, -48.2760, -17.1720



104.2190, 48.2760, 17.1720

# 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.



149.5670, 38.0080, 5.0160



136.7810, -48.2760, -17.1720



152.1100, 23.8380, 19.5340

# Square

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



136.7810, -48.2760, -17.1720



148.8520, -19.5340, 12.6100



150.9940, 35.6680, 14.3880



145.6420, 15.0870, -14.6170



# Rectangle

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



136.7810, -48.2760, -17.1720



141.6370, -47.2700, -2.3580



150.9940, 35.6680, 14.3880



148.7850, 34.1580, -2.3060

# Sweetspot

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



136.7810, -48.2760, -17.1720



199.7310, -18.4760, -6.5720



127.8460, -21.6790, -42.1510



99.3190, -11.3240, -4.0280



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



136.7810, -48.2760, -17.1720



171.6250, -74.5000, -26.5000



113.8880, -37.5510, 3.2250



79.3090, -5.3640, -1.9080



101.6450, -86.4200, -30.7400



12.6180, -10.7280, -3.8160



# Inverse Universe

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



104.2190, 48.2760, 17.1720



121.3750, 74.5000, 26.5000



127.1120, 37.5510, -3.2250



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400

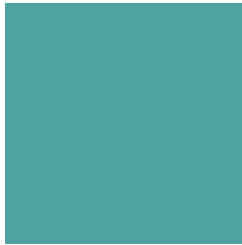


5.3820, 10.7280, 3.8160



# Previews

## White Background



This preview shows how the YIQ color 136.7810, -48.2760, -17.1720 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 136.7810, -48.2760, -17.1720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

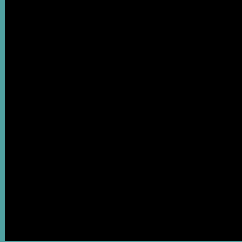
Any Text WCAG AA ✓ Pass

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 136.7810, -48.2760, -17.1720 Background



This preview shows how black text looks on a background with the YIQ color 136.7810, -48.2760, -17.1720.



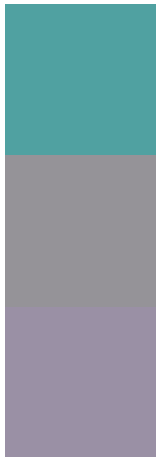
This preview shows how white text looks on a background with the YIQ color 136.7810, -48.2760, -17.1720.

-17.1720.

# 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

136.7810, -48.2760, -17.1720

### Protanopia

148.1680, -0.4130, 1.9790

### Deuteranopia

149.3840, -0.7810, 8.6510



## Tritanopia

138.0570, -48.8730, -11.8570

# Trichromacy



## Original Color

136.7810, -48.2760, -17.1720

## Protanomaly

143.9700, -17.6510, -5.0030

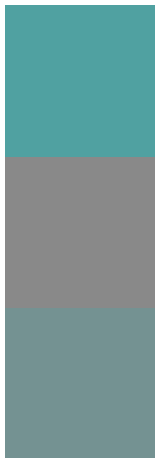
## Deuteranomaly

144.7190, -18.2020, -0.5220

## Tritanomaly

137.8890, -48.4600, -13.8360

# Monochromacy



## Original Color

136.7810, -48.2760, -17.1720

## Achromatopsia

137.0000, -0.0000, 0.0000

## Achromatomaly

137.0300, -17.8800, -6.3600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.7810, -48.2760, -17.1720 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, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(80, 161, 161)  
}
```

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, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 161, 161) }
```

## Border

The CSS property to change the border of an element to YIQ 136.7810, -48.2760, -17.1720 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, 161, 161) }
```



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

```
.border{ border-color:rgb(80, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(80, 161,  
161) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.7810, -48.2760, -17.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 161, 161) }
```

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

```
.background{ background-color: rgb(80, 161,  
161) }
```

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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