

# Converting Colors

YIQ(180.9370, -48.4150,  
-9.1430)

Have a look what the booklet for  
YIQ(180.9370, -48.4150, -9.1430)  
contains.

<b>YIQ(180.9370, -48.4150, -9.1430)</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(180.9370, -48.4150,  
-9.1430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81C8DB
RGB	129, 200, 219
RGB Percent	51%, 78%, 86%
CMY	0.4943, 0.2156, 0.1414
CMYK	0.41, 0.09, 0.00, 0.14
HSL	193°, 56%, 68%
HSV	193°, 41%, 86%
XYZ	42.4876, 51.0981, 74.6050
YIQ	180.9370, -48.4150, -9.1430

# Conversions

## Conversions Part 2

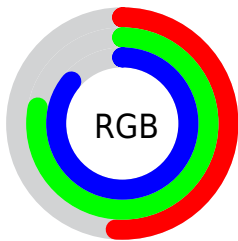
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 169, 219
Decimal	8505563
CIE Lab	76.74, -17.43, -16.43
CIE LCh	77, 23.949, 223.303
Yxy	51.0981, 0.2526, 0.3038
Android (android.graphics.Color)	4286695643 (0xFF81C8DB)
YUV	180.9370, 18.7651, -45.5487
Hunter-Lab	71.4829, -18.9993, -11.8415

# Details

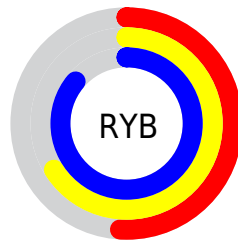
The YIQ color  $180.9370, -48.4150, -9.1430$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $167.0630, 48.4150, 9.1430$ , and the grayscale version is  $181.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $234.0700, -41.7200, -14.8400$ , and  $126.2250, -49.2860, -9.8780$  is the 20% darker color. If you saturate the color by 10%, you get  $171.4240, -60.1520, -11.1920$ , and if you desaturate by 10%, it is  $190.4500, -36.6780, -7.0940$ .

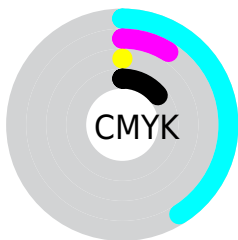
# Distribution



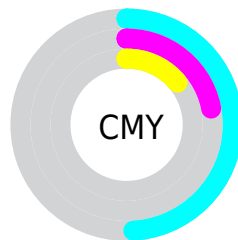
- Red (51%)
- Green (78%)
- Blue (86%)



- Red (51%)
- Yellow (66%)
- Blue (86%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (22%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 180.9370, -48.4150, -9.1430 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 180.9370, -48.4150, -9.1430 by changing the saturation by 10% instead.



■ 180.9370,  
-48.4150, -9.1430

■ 180.9370,  
-48.4150, -9.1430

■ 255.0000, -0.0000,  
-0.0000

■ 153.5240,  
-48.6900, -9.6660

■ 234.0700,  
-41.7200, -14.8400

■ 126.2250,  
-49.2860, -9.8780

■ 242.7410,  
-24.4360, -8.6920

■ 99.0290, -51.6700,  
-10.7260

■ 251.7110, -6.5560,  
-2.3320

■ 68.5330, -62.0770,  
-14.8530

■ 51.7090, -47.7730,  
-9.7650

■ 36.0590, -34.0190,  
-5.7230

■ 21.8110, -21.4570,

-2.1050

■ 3.0950, -7.3370,  
6.3190

■ 0.0000, 0.0000,  
0.0000

■ 180.9370,  
-48.4150, -9.1430

■ 180.9370,  
-48.4150, -9.1430

■ 171.4240,  
-60.1520, -11.1920

■ 190.4500,  
-36.6780, -7.0940

■ 162.4980,  
-72.1640, -13.7640

■ 199.3760,  
-24.6660, -4.5220

■ 152.9850,  
-83.9010, -15.8130

■ 208.8890,  
-12.9290, -2.4730

■ 144.0590,  
-95.9130, -18.3850

■ 217.8150, -0.9170,  
0.0990

■ 134.5460,  
-107.6500, -20.4340

■ 227.0290, 10.2240,  
1.9360

■ 126.5170,  
-117.8740, -22.3700

■ 235.0470, 18.9810,  
2.9250

■ 237.3950, 17.8810,  
0.8330

■ 240.3300, 16.5060,  
-1.7820

■ 242.6780, 15.4060,  
-3.8740

# Harmonies

## Analogous

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



180.1300, -41.9490, -16.1970



180.9370, -48.4150, -9.1430



184.7520, -40.1640, 1.0200

# Triad

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



180.9370, -48.4150, -9.1430



193.4410, 21.4080, 19.5200



187.3650, 17.4250, -12.9350

# Complementary

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



180.9370, -48.4150, -9.1430



167.0630, 48.4150, 9.1430

# 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.



189.6490, 31.5450, -4.5110



180.9370, -48.4150, -9.1430



192.9230, 34.4300, 14.7980

# Square

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



180.9370, -48.4150, -9.1430



192.2630, 1.4180, 18.3620



191.2080, 37.6410, 6.1610



184.6660, -2.6560, -17.9520



# Rectangle

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



180.9370, -48.4150, -9.1430



188.3130, -28.3820, 7.7620



191.2080, 37.6410, 6.1610



188.4690, 23.0640, -10.5040

# Sweetspot

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



180.9370, -48.4150, -9.1430



242.2090, -16.8260, -3.4340



183.8820, -30.5280, -41.4720



120.2700, -9.6280, -1.7240



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

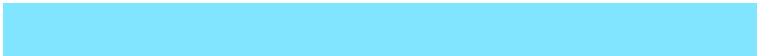


# Same Dimension

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



180.9370, -48.4150, -9.1430



202.3630, -67.3500, -12.9020



155.1090, -36.3150, 13.8690



104.9500, -5.7310, -0.7630



100.1410, -93.2080, -17.8480



26.3760, -24.6660, -4.5220



# Inverse Universe

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



164.0040, 30.8490, 41.1610



178.6610, 42.7210, 57.2890



192.8910, 36.3150, -13.8690



103.2010, 3.9880, 4.8200



67.3450, 59.1310, 79.2830

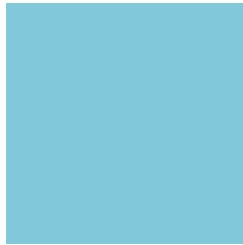


17.8580, 15.8600, 20.9480



# Previews

## White Background



This preview shows how the YIQ color 180.9370, -48.4150, -9.1430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

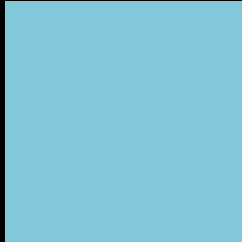
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 180.9370, -48.4150, -9.1430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

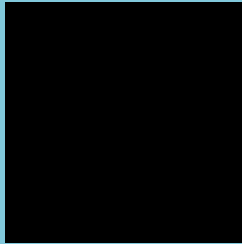
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 180.9370, -48.4150, -9.1430

## Background



This preview shows how black text looks on a background with the YIQ color 180.9370, -48.4150, -9.1430.



This preview shows how white text looks on a background with the YIQ color 180.9370, -48.4150, -9.1430.

-9.1430.

# 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

180.9370, -48.4150, -9.1430

### Protanopia

189.1380, -8.8960, 7.0400

### Deuteranopia

190.1260, -8.6220, 13.0900



## Tritanopia

180.4100, -48.3690, -9.9770

# Trichromacy



## Original Color

180.9370, -48.4150, -9.1430

## Protanomaly

186.4350, -23.1540, 1.1180

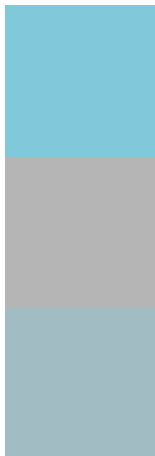
## Deuteranomaly

186.9560, -23.0630, 4.9770

## Tritanomaly

180.5240, -48.6900, -9.6660

# Monochromacy



## Original Color

180.9370, -48.4150, -9.1430

## Achromatopsia

181.0000, -0.0000, 0.0000

## Achromatomaly

181.0240, -17.7430, -3.3350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 180.9370, -48.4150, -9.1430 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(129, 200, 219)` looks like.

```
.text, #text, p{  
    color:rgb(129, 200, 219)  
}
```

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(129, 200, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 200, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 180.9370, -48.4150, -9.1430 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".

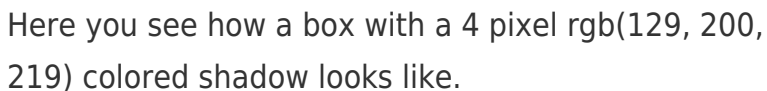
```
.border, #border, table{ border:4px solid rgb(129, 200, 219) }
```



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

```
.border{ border-color:rgb(129, 200, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 200, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 200, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 200, 219); box-shadow:4px 4px 4px 4px rgb(129, 200, 219) }
```

# Background

The CSS property to change the background color of an element to YIQ 180.9370, -48.4150, -9.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 200, 219) }
```

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

```
.background{ background-color: rgb(129,  
200, 219) }
```

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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