

# Converting Colors

YIQ(168.1460, -48.0460,  
-21.3420)

Have a look what the booklet for  
YIQ(168.1460, -48.0460, -21.3420)  
contains.

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# Color

**YIQ(168.1460, -48.0460,  
-21.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC3B9
RGB	109, 195, 185
RGB Percent	43%, 76%, 73%
CMY	0.5727, 0.2351, 0.2747
CMYK	0.44, 0.00, 0.05, 0.24
HSL	173°, 42%, 60%
HSV	173°, 44%, 76%
XYZ	34.5753, 45.7950, 52.8901
YIQ	168.1460, -48.0460, -21.3420

# Conversions

## Conversions Part 2

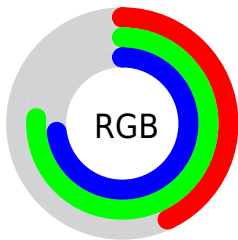
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 155, 195
Decimal	7193529
CIELab	73.41, -28.47, -3.06
CIELCh	73, 28.635, 186.132
Yxy	45.7950, 0.2595, 0.3437
Android (android.graphics.Color)	4285383609 (0xFF6DC3B9)
YUV	168.1460, 8.3090, -51.8710
Hunter-Lab	67.6720, -27.2260, 1.0314

# Details

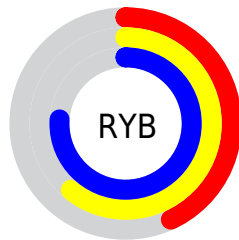
The YIQ color **168.1460, -48.0460, -21.3420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **135.8540, 48.0460, 21.3420**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.7330, -48.3210, -21.8650**, and **113.3630, -50.1550, -21.6670** is the 20% darker color. If you saturate the color by 10%, you get **161.9380, -59.3240, -26.2040**, and if you desaturate by 10%, it is **174.0550, -37.3640, -16.6920**.

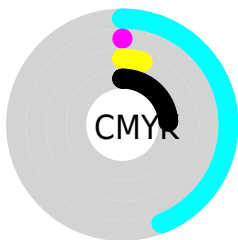
# Distribution



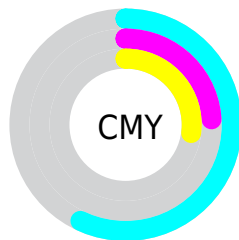
- Red (43%)
- Green (76%)
- Blue (73%)



- Red (43%)
- Yellow (61%)
- Blue (76%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (57%)
- Magenta (24%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.1460, -48.0460, -21.3420 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 168.1460, -48.0460, -21.3420 by changing the saturation by 10% instead.



■ 168.1460,  
-48.0460, -21.3420

■ 168.1460,  
-48.0460, -21.3420

■ 255.0000, -0.0000,  
-0.0000

■ 140.8470,  
-48.6420, -21.5540

■ 224.7330,  
-48.3210, -21.8650

■ 113.3630,  
-50.1550, -21.6670

■ 236.7610,  
-36.3560, -12.9320

■ 83.8890, -57.6280,  
-23.9000

■ 245.4320,  
-19.0720, -6.7840

■ 62.2920, -51.3930,  
-21.2570

■ 254.1030, -1.7880,  
-0.6360

■ 45.5820, -37.4100,  
-15.8580

■ 29.5730, -24.0230,  
-10.6710

■ 14.3790, -11.5530,

-5.3850

■ 0.0000, 0.0000,  
0.0000

■ 168.1460,  
-48.0460, -21.3420

■ 168.1460,  
-48.0460, -21.3420

■ 161.9380,  
-59.3240, -26.2040

■ 174.0550,  
-37.3640, -16.6920

■ 155.9150,  
-69.6850, -31.1650

■ 180.3770,  
-26.4070, -11.5190

■ 149.7070,  
-80.9630, -36.0270

■ 186.2860,  
-15.7250, -6.8690

■ 143.7980,  
-91.6450, -40.6770

■ 192.4940, -4.4470,  
-2.0070

■ 137.5900,  
-102.9230, -45.5390

■ 198.4030, 6.2350,  
2.6430

■ 134.0730,  
-108.8370, -48.4930

■ 204.7250, 17.1920,  
7.8160

■ 210.6340, 27.8740,  
12.4660

■ 213.8520, 33.1920,  
15.2080

■ 214.1940, 32.2290,  
16.1410

# Harmonies

## Analogous

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



171.6680, -23.3330, -23.1810



168.1460, -48.0460, -21.3420



167.7180, -61.1600, -14.9520

# Triad

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



168.1460, -48.0460, -21.3420



183.4950, -5.0470, 19.8890



181.0090, 39.3390, -2.5890

# Complementary

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



168.1460, -48.0460, -21.3420



135.8540, 48.0460, 21.3420

# 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.



182.5510, 44.1050, 10.1610



168.1460, -48.0460, -21.3420



184.7770, 20.5820, 23.4780

# Square

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



168.1460, -48.0460, -21.3420



179.0400, -31.8670, 10.3490



183.9390, 37.5010, 19.7170



178.2580, 25.0360, -13.2040



# Rectangle

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



168.1460, -48.0460, -21.3420



170.4290, -58.5480, -7.2200



183.9390, 37.5010, 19.7170



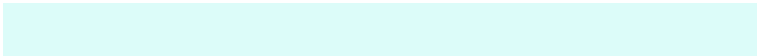
181.6120, 42.1350, 1.8070

# Sweetspot

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



168.1460, -48.0460, -21.3420



242.0900, -18.1090, -7.7170



162.7710, -17.0940, -42.6460



121.3790, -11.5530, -5.3850



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.



168.1460, -48.0460, -21.3420



210.5230, -74.4530, -32.8610



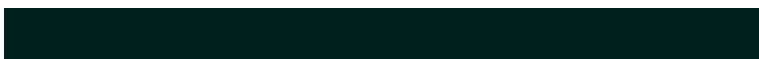
150.5020, -42.4560, -1.4960



93.8960, -5.6390, -2.4310



110.6950, -89.8570, -40.0410



22.6770, -18.3840, -8.2400



# Inverse Universe

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



135.8540, 48.0460, 21.3420



160.4770, 74.4530, 32.8610



153.4980, 42.4560, 1.4960



90.1040, 5.6390, 2.4310



50.3050, 89.8570, 40.0410

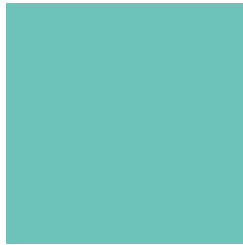


10.3230, 18.3840, 8.2400



# Previews

## White Background



This preview shows how the YIQ color 168.1460, -48.0460, -21.3420 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 168.1460, -48.0460, -21.3420 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

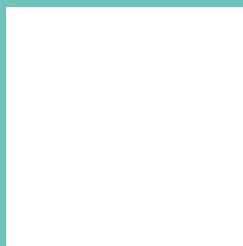
Any Text WCAG AAA ✓ Pass

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

# YIQ 168.1460, -48.0460, -21.3420 Background



This preview shows how black text looks on a background with the YIQ color 168.1460, -48.0460, -21.3420.



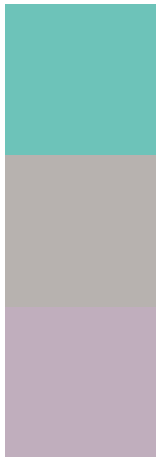
This preview shows how white text looks on a background with the YIQ color 168.1460, -48.0460, -21.3420.

-21.3420.

# 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

168.1460, -48.0460, -21.3420

### Protanopia

179.1530, 3.9430, 0.1270

### Deuteranopia

181.0920, 5.9130, 8.4810



## Tritanopia

170.6870, -50.7070, -11.6590

# Trichromacy



## Original Color

168.1460, -48.0460, -21.3420

## Protanomaly

175.0580, -15.0830, -7.4910

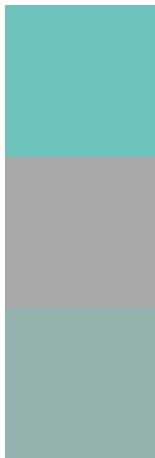
## Deuteranomaly

176.7040, -13.8460, -2.3740

## Tritanomaly

169.7640, -49.6060, -15.0940

# Monochromacy



## Original Color

168.1460, -48.0460, -21.3420

## Achromatopsia

168.0000, -0.0000, -0.0000

## Achromatomaly

168.2750, -17.1920, -7.8160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.1460, -48.0460, -21.3420 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(109, 195, 185)` looks like.

```
.text, #text, p{  
    color:rgb(109, 195, 185)  
}
```

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(109, 195, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 195, 185) }
```

## Border

The CSS property to change the border of an element to YIQ 168.1460, -48.0460, -21.3420 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(109, 195, 185) }
```



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

```
.border{ border-color:rgb(109, 195, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 195, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 195, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 195, 185);  
box-shadow:4px 4px 4px 4px rgb(109, 195,  
185) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.1460, -48.0460, -21.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 195, 185) }
```

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

```
.background{ background-color: rgb(109,  
195, 185) }
```

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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