

# Converting Colors

YIQ(168.0700, -50.8880,  
-24.9040)

Have a look what the booklet for  
YIQ(168.0700, -50.8880, -24.9040)  
contains.

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# Color

**YIQ(168.0700, -50.8880,  
-24.9040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68C6B6
RGB	104, 198, 182
RGB Percent	41%, 78%, 71%
CMY	0.5924, 0.2234, 0.2865
CMYK	0.48, 0.00, 0.08, 0.22
HSL	170°, 45%, 59%
HSV	170°, 48%, 78%
XYZ	34.3436, 46.7211, 51.4378
YIQ	168.0700, -50.8880, -24.9040

# Conversions

## Conversions Part 2

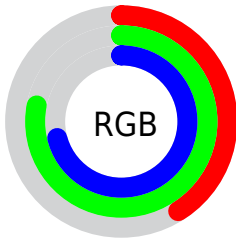
Format	Color
<a href="#">RYB</a>	104, 155, 198
Decimal	6866614
CIELab	74.01, -31.85, -0.57
CIELCh	74, 31.856, 181.032
Yxy	46.7211, 0.2592, 0.3526
Android (android.graphics.Color)	4285056694 (0xFF68C6B6)
YUV	168.0700, 6.8675, -56.1894
Hunter-Lab	68.3528, -29.9309, 3.2293

# Details

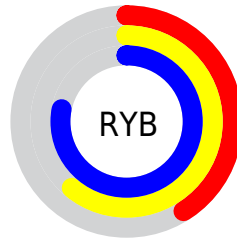
The YIQ color **168.0700, -50.8880, -24.9040** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **133.9300, 50.8880, 24.9040**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.9560, -50.5670, -25.2150**, and **112.3900, -54.7850, -25.8650** is the 20% darker color. If you saturate the color by 10%, you get **161.7480, -61.8450, -30.0770**, and if you desaturate by 10%, it is **174.3920, -39.9310, -19.7310**.

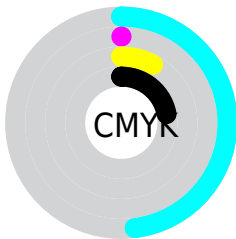
# Distribution



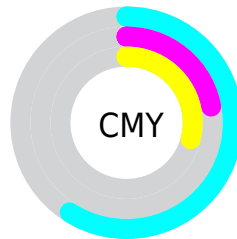
- Red (41%)
- Green (78%)
- Blue (71%)



- Red (41%)
- Yellow (61%)
- Blue (78%)



- Cyan (48%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (59%)
- Magenta (22%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.0700, -50.8880, -24.9040 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 168.0700, -50.8880, -24.9040 by changing the saturation by 10% instead.



■ 168.0700,  
-50.8880, -24.9040

■ 168.0700,  
-50.8880, -24.9040

■ 255.0000, -0.0000,  
-0.0000

■ 139.8850,  
-51.8050, -24.8050

■ 224.9560,  
-50.5670, -25.2150

■ 112.3900,  
-54.7850, -25.8650

■ 235.2660,  
-39.3360, -13.9920

■ 81.1220, -65.8340,  
-29.3700

■ 243.9370,  
-22.0520, -7.8440

■ 63.7110, -51.2550,  
-23.7590

■ 252.9070, -4.1720,  
-1.4840

■ 46.4140, -36.9970,  
-17.8370

■ 30.5190, -23.9310,  
-12.3390

■ 15.2110, -11.1400,

-7.3640

■ 0.0000, 0.0000,  
0.0000

■ 168.0700,  
-50.8880, -24.9040

■ 168.0700,  
-50.8880, -24.9040

■ 161.7480,  
-61.8450, -30.0770

■ 174.3920,  
-39.9310, -19.7310

■ 155.3120,  
-72.4810, -35.5610

■ 180.8280,  
-29.2950, -14.2470

■ 149.2890,  
-82.8420, -40.5220

■ 186.8510,  
-18.9340, -9.2860

■ 142.8530,  
-93.4780, -46.0060

■ 193.1730, -7.9770,  
-4.1130

■ 136.5310,  
-104.4350, -51.1790

■ 199.6090, 2.6590,  
1.3710

■ 134.9220,  
-107.0940, -52.5500

■ 205.9310, 13.6160,  
6.5440

■ 212.3670, 24.2520,  
12.0280

■ 216.2970, 30.4410,  
15.5050

■ 216.6390, 29.4780,  
16.4380

# Harmonies

## Analogous

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



172.5710, -21.6820, -25.5700



168.0700, -50.8880, -24.9040



165.7060, -70.0540, -18.9660

# Triad

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



168.0700, -50.8880, -24.9040



184.4990, -10.8700, 20.7940



182.4120, 45.5740, 0.0540

# Complementary

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



168.0700, -50.8880, -24.9040



133.9300, 50.8880, 24.9040

# 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.



184.5840, 48.5060, 13.0020



168.0700, -50.8880, -24.9040



186.6890, 18.0140, 25.9660

# Square

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



168.0700, -50.8880, -24.9040



178.7230, -41.2200, 9.1480



185.8300, 39.4260, 23.3780



179.7810, 30.8130, -13.2750



# Rectangle

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



168.0700, -50.8880, -24.9040



168.0470, -69.2760, -11.0360



185.8300, 39.4260, 23.3780



183.1290, 48.0490, 4.7610

# Sweetspot

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



168.0700, -50.8880, -24.9040



243.5520, -19.5300, -9.4980



164.2610, -15.7180, -45.5580



120.9660, -11.8280, -5.9080



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.



168.0700, -50.8880, -24.9040



208.7950, -78.3950, -38.5150



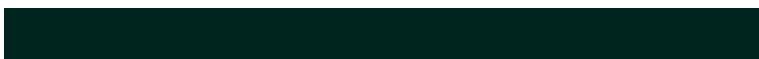
152.2840, -47.7740, -4.2380



96.1950, -5.0430, -2.2190



111.0710, -88.1600, -43.2640



24.5520, -19.5300, -9.4980



# Inverse Universe

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



133.9300, 50.8880, 24.9040



156.2050, 78.3950, 38.5150



149.7160, 47.7740, 4.2380



92.8050, 5.0430, 2.2190



51.9290, 88.1600, 43.2640



11.4480, 19.5300, 9.4980



# Previews

## White Background



This preview shows how the YIQ color 168.0700, -50.8880, -24.9040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

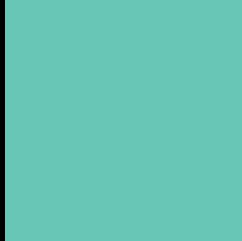
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 168.0700, -50.8880, -24.9040 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

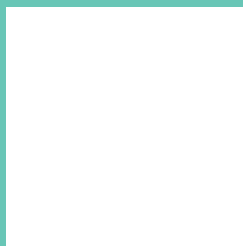
Any Text WCAG AAA ✓ Pass

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

# YIQ 168.0700, -50.8880, -24.9040 Background



This preview shows how black text looks on a background with the YIQ color 168.0700, -50.8880, -24.9040.



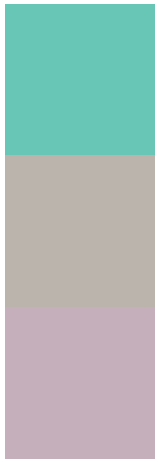
This preview shows how white text looks on a background with the YIQ color 168.0700, -50.8880, -24.9040.

-24.9040.

# 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

168.0700, -50.8880, -24.9040

### Protanopia

180.8820, 6.1440, -1.2160

### Deuteranopia

182.6470, 8.6640, 8.1840



## Tritanopia

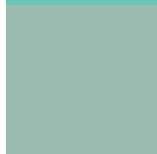
171.3060, -54.0080, -12.4080

# Trichromacy



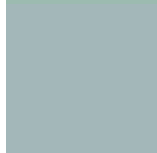
## Original Color

168.0700, -50.8880, -24.9040



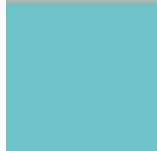
## Protanomaly

176.4770, -14.9450, -9.9930



## Deuteranomaly

177.2480, -12.5620, -3.6180



## Tritanomaly

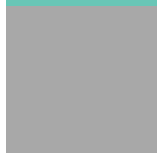
169.8560, -52.8610, -16.6770

# Monochromacy



## Original Color

168.0700, -50.8880, -24.9040



## Achromatopsia

168.0000, -0.0000, -0.0000



## Achromatomaly

168.1500, -18.3380, -9.0740

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.0700, -50.8880, -24.9040 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(104, 198, 182)` looks like.

```
.text, #text, p{  
    color:rgb(104, 198, 182)  
}
```

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(104, 198, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 198, 182) }
```

## Border

The CSS property to change the border of an element to YIQ 168.0700, -50.8880, -24.9040 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(104, 198, 182) }
```



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

```
.border{ border-color:rgb(104, 198, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 198, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 198, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 198, 182);  
box-shadow:4px 4px 4px 4px rgb(104, 198,  
182) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.0700, -50.8880, -24.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 198, 182) }
```

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

```
.background{ background-color: rgb(104,  
198, 182) }
```

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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