

# Converting Colors

YIQ(178.8840, -50.0640,  
-17.8080)

Have a look what the booklet for  
YIQ(178.8840, -50.0640, -17.8080)  
contains.

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# Color

**YIQ(178.8840, -50.0640,  
-17.8080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78CCCC
RGB	120, 204, 204
RGB Percent	47%, 80%, 80%
CMY	0.5296, 0.1998, 0.2002
CMYK	0.41, 0.00, 0.00, 0.20
HSL	180°, 45%, 64%
HSV	180°, 41%, 80%
XYZ	40.2329, 51.5491, 64.9244
YIQ	178.8840, -50.0640, -17.8080

# Conversions

## Conversions Part 2

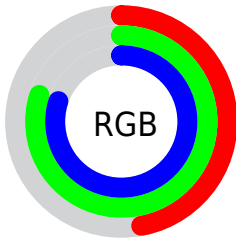
Format	Color
R <sub>Y</sub> B	120, 162, 204
Decimal	7916748
CIE Lab	77.01, -25.49, -7.97
CIE LCh	77, 26.705, 197.373
Yxy	51.5491, 0.2567, 0.3290
Android (android.graphics.Color)	4286106828 (0xFF78CCCC)
YUV	178.8840, 12.3822, -51.6413
Hunter-Lab	71.7977, -25.6209, -3.3556

# Details

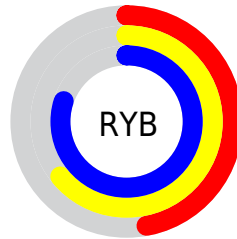
The YIQ color **178.8840, -50.0640, -17.8080** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **145.1160, 50.0640, 17.8080**, and the grayscale version is **179.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **231.3790, -47.0840, -16.7480**, and **123.9870, -51.8520, -18.4440** is the 20% darker color. If you saturate the color by 10%, you get **172.9040, -61.9840, -22.0480**, and if you desaturate by 10%, it is **184.8640, -38.1440, -13.5680**.

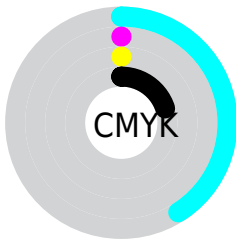
# Distribution



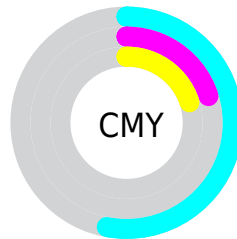
- Red (47%)
- Green (80%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.8840, -50.0640, -17.8080 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 178.8840, -50.0640, -17.8080 by changing the saturation by 10% instead.



■ 178.8840,  
-50.0640, -17.8080

■ 178.8840,  
-50.0640, -17.8080

■ 255.0000, -0.0000,  
-0.0000

■ 150.9980,  
-50.3850, -17.4970

■ 231.3790,  
-47.0840, -16.7480

■ 123.9870,  
-51.8520, -18.4440

■ 240.0500,  
-29.8000, -10.6000

■ 95.3070, -55.7490,  
-19.4050

■ 249.0200,  
-11.9200, -4.2400

■ 68.8120, -58.7290,  
-20.4650

■ 51.9880, -44.4250,  
-15.3770

■ 35.9790, -31.0380,  
-10.1900

■ 21.7310, -18.4760,

-6.5720

■ 0.7980, -2.2470,  
2.1770

■ 0.0000, 0.0000,  
0.0000

■ 178.8840,  
-50.0640, -17.8080

■ 178.8840,  
-50.0640, -17.8080

■ 172.9040,  
-61.9840, -22.0480

■ 184.8640,  
-38.1440, -13.5680

■ 166.6250,  
-74.5000, -26.5000

■ 191.1430,  
-25.6280, -9.1160

■ 160.6450,  
-86.4200, -30.7400

■ 197.1230,  
-13.7080, -4.8760

■ 154.3660,  
-98.9360, -35.1920

■ 203.4020, -1.1920,  
-0.4240

■ 148.3860,  
-110.8560, -39.4320

■ 209.3820, 10.7280,  
3.8160

■ 143.0040,  
-121.5840, -43.2480

■ 215.3620, 22.6480,  
8.0560

■ 219.2490, 30.3960,  
10.8120

# Harmonies

## Analogous

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



180.7150, -30.7150, -21.5550



178.8840, -50.0640, -17.8080



180.2290, -55.1090, -8.9730

# Triad

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



178.8840, -50.0640, -17.8080



193.6980, 4.6270, 20.7790



189.9650, 33.4710, -6.3770

# Complementary

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



178.8840, -50.0640, -17.8080



145.1160, 50.0640, 17.8080

# 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.



191.8340, 41.6300, 5.4540



178.8840, -50.0640, -17.8080



194.2460, 26.4510, 21.7390

# Square

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



178.8840, -50.0640, -17.8080



190.6070, -20.2220, 14.0660



193.6740, 39.5650, 15.3490



187.3000, 16.0500, -15.5500



# Rectangle

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



178.8840, -50.0640, -17.8080



183.6800, -48.8290, -1.6370



193.6740, 39.5650, 15.3490



190.6390, 37.5050, -2.3910

# Sweetspot

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



178.8840, -50.0640, -17.8080



245.7310, -18.4760, -6.5720



169.6070, -22.5040, -43.7200



122.5040, -10.4070, -4.1270



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.



178.8840, -50.0640, -17.8080



217.6250, -74.5000, -26.5000



154.8170, -38.7890, 3.6350



99.0100, -5.9600, -2.1200



116.3660, -98.9360, -35.1920



26.6380, -22.6480, -8.0560



# Inverse Universe

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



145.1160, 50.0640, 17.8080



167.3750, 74.5000, 26.5000



169.1830, 38.7890, -3.6350



94.9900, 5.9600, 2.1200



49.6340, 98.9360, 35.1920

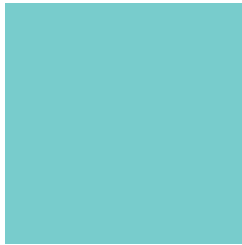


11.3620, 22.6480, 8.0560



# Previews

## White Background



This preview shows how the YIQ color 178.8840, -50.0640, -17.8080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

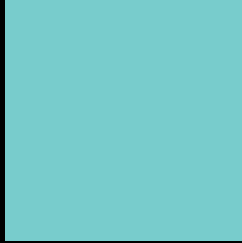
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.8840, -50.0640, -17.8080 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 178.8840, -50.0640, -17.8080 Background



This preview shows how black text looks on a background with the YIQ color 178.8840, -50.0640, -17.8080.



This preview shows how white text looks on a background with the YIQ color 178.8840, -50.0640, -17.8080.

-17.8080.

# 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

178.8840, -50.0640, -17.8080

### Protanopia

189.5810, -0.1380, 2.5020

### Deuteranopia

191.2210, 1.2360, 10.6440



## Tritanopia

180.5020, -51.6240, -11.5600

# Trichromacy



## Original Color

178.8840, -50.0640, -17.8080

## Protanomaly

185.7850, -18.5680, -4.9040

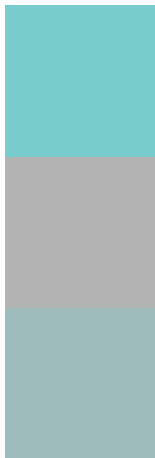
## Deuteranomaly

186.5450, -17.6520, 0.5240

## Tritanomaly

180.2200, -50.8900, -13.8500

# Monochromacy



## Original Color

178.8840, -50.0640, -17.8080

## Achromatopsia

179.0000, -0.0000, -0.0000

## Achromatomaly

179.0300, -17.8800, -6.3600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.8840, -50.0640, -17.8080 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(120, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 204)  
}
```

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(120, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 204) }
```

## Border

The CSS property to change the border of an element to YIQ 178.8840, -50.0640, -17.8080 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(120, 204, 204) }
```



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

```
.border{ border-color:rgb(120, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
204) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.8840, -50.0640, -17.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 204) }
```

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

```
.background{ background-color: rgb(120,  
204, 204) }
```

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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