

# Converting Colors

YIQ(122.7980, -64.1410,  
-10.4850)

Have a look what the booklet for  
YIQ(122.7980, -64.1410, -10.4850)  
contains.

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# Color

**YIQ(122.7980, -64.1410,  
-10.4850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3793B0
RGB	55, 147, 176
RGB Percent	22%, 58%, 69%
CMY	0.7845, 0.4234, 0.3101
CMYK	0.69, 0.16, 0.00, 0.31
HSL	194°, 52%, 45%
HSV	194°, 69%, 69%
XYZ	19.8420, 24.8221, 44.7830
YIQ	122.7980, -64.1410, -10.4850

# Conversions

## Conversions Part 2

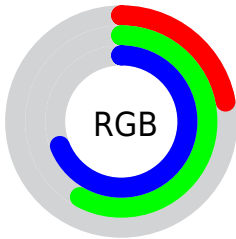
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 107, 176
Decimal	3642288
CIELab	56.90, -17.62, -23.04
CIELCh	57, 29.008, 232.594
Yxy	24.8221, 0.2218, 0.2775
Android (android.graphics.Color)	4281832368 (0xFF3793B0)
YUV	122.7980, 26.2286, -59.4588
Hunter-Lab	49.8217, -16.0988, -18.4185

# Details

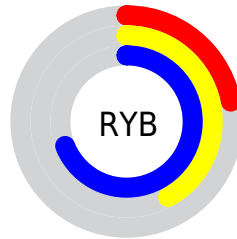
The YIQ color **122.7980, -64.1410, -10.4850** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **108.2020, 64.1410, 10.4850**, and the grayscale version is **123.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **179.1190, -60.6110, -8.3790**, and **70.3740, -65.8830, -11.9550** is the 20% darker color. If you saturate the color by 10%, you get **115.0680, -73.7690, -12.2090**, and if you desaturate by 10%, it is **130.5280, -54.5130, -8.7610**.

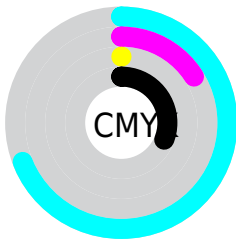
# Distribution



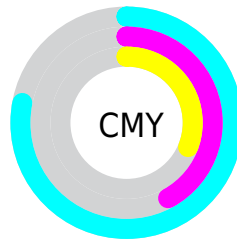
- Red (22%)
- Green (58%)
- Blue (69%)



- Red (22%)
- Yellow (42%)
- Blue (69%)



- Cyan (69%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)



- Cyan (78%)
- Magenta (42%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.7980, -64.1410, -10.4850 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 122.7980, -64.1410, -10.4850 by changing the saturation by 10% instead.



■ 122.7980,  
-64.1410, -10.4850

■ 122.7980,  
-64.1410, -10.4850

■ 255.0000, -0.0000,  
-0.0000

■ 90.1060, -76.9320,  
-15.4600

■ 179.1190,  
-60.6110, -8.3790

■ 70.3740, -65.8830,  
-11.9550

■ 206.8480,  
-58.4100, -9.7220

■ 53.4360, -51.2580,  
-7.1780

■ 230.7810,  
-48.2760, -17.1720

■ 37.7860, -37.5040,  
-3.1360

■ 239.7510,  
-30.3960, -10.8120

■ 23.5380, -24.9420,  
0.4820

■ 248.4220,  
-13.1120, -4.6640

■ 4.7080, -10.5010,  
8.5950

■ 0.1140, -0.3210,

0.3110

■ 0.0000, 0.0000,  
0.0000

■ 122.7980,  
-64.1410, -10.4850

■ 122.7980,  
-64.1410, -10.4850

■ 115.0680,  
-73.7690, -12.2090

■ 130.5280,  
-54.5130, -8.7610

■ 107.6370,  
-82.8010, -13.7210

■ 137.9590,  
-45.4810, -7.2490

■ 99.3200, -92.1540,  
-14.9220

■ 146.2760,  
-36.1280, -6.0480

■ 98.7220, -93.3460,  
-15.3460

■ 153.7070,  
-27.0960, -4.5360

■ 161.4370,  
-17.4680, -2.8120

■ 169.1670, -7.8400,  
-1.0880

■ 176.5980, 1.1920,  
0.4240

■ 184.9150, 10.5450,  
1.6250

■ 192.3460, 19.5770,  
3.1370

# Harmonies

## Analogous

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



120.0720, -62.3970, -20.0690



122.7980, -64.1410, -10.4850



131.4790, -43.6490, 3.6070

# Triad

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



122.7980, -64.1410, -10.4850



140.1000, 29.7980, 21.6540



132.9790, 12.5200, -17.6560

# Complementary

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



122.7980, -64.1410, -10.4850



108.2020, 64.1410, 10.4850

# 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.



135.4160, 30.5830, -9.1050



122.7980, -64.1410, -10.4850



138.3320, 40.5280, 14.4160

# Square

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



122.7980, -64.1410, -10.4850



140.0900, 9.3950, 22.4750



137.0680, 40.8510, 3.0510



129.6540, -11.5500, -21.9660



# Rectangle

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



122.7980, -64.1410, -10.4850



135.7310, -26.5030, 12.2570



137.0680, 40.8510, 3.0510



133.6810, 19.3510, -14.8010

# Sweetspot

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



122.7980, -64.1410, -10.4850



208.3050, -25.9040, -4.1120



129.2190, -42.2630, -54.5750



102.2200, -15.3590, -2.4870



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



122.7980, -64.1410, -10.4850



145.8890, -101.1860, -16.4340



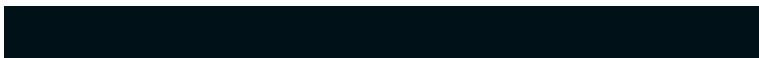
87.5780, -47.6410, 20.8950



83.1350, -4.8140, -0.8620



84.6050, -79.7750, -13.4950



12.6010, -12.0580, -1.7380



# Inverse Universe

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



101.6670, 42.5840, 54.2640



112.6390, 67.2910, 85.5870



143.4220, 47.6410, -20.8950



81.4890, 3.1170, 4.0850



57.9600, 52.4850, 67.5650



8.8150, 8.2510, 10.1630



# Previews

## White Background



This preview shows how the YIQ color 122.7980, -64.1410, -10.4850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

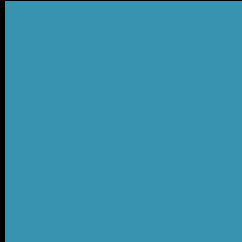
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.7980, -64.1410, -10.4850 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 122.7980, -64.1410, -10.4850 Background



This preview shows how black text looks on a background with the YIQ color 122.7980, -64.1410, -10.4850.



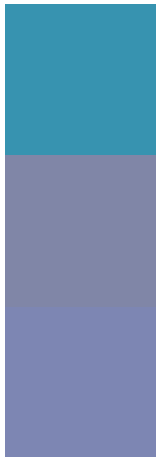
This preview shows how white text looks on a background with the YIQ color 122.7980, -64.1410, -10.4850.

-10.4850.

# 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

122.7980, -64.1410, -10.4850

### Protanopia

135.9680, -14.1690, 8.9910

### Deuteranopia

136.4390, -19.8090, 12.0870



## Tritanopia

119.6850, -65.5610, -17.7930

# Trichromacy



## Original Color

122.7980, -64.1410, -10.4850

## Protanomaly

131.1720, -32.5990, 1.5850

## Deuteranomaly

131.7850, -35.7630, 3.8610

## Tritanomaly

120.5650, -65.1030, -15.0790

# Monochromacy



## Original Color

122.7980, -64.1410, -10.4850

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.9740, -23.4740, -4.0980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.7980, -64.1410, -10.4850 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(55, 147, 176)` looks like.

```
.text, #text, p{  
    color:rgb(55, 147, 176)  
}
```

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(55, 147, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 147, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 122.7980, -64.1410, -10.4850 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(55, 147, 176) }
```



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

```
.border{ border-color:rgb(55, 147, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 147, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 147, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 147, 176);  
box-shadow:4px 4px 4px 4px rgb(55, 147,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.7980, -64.1410, -10.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 147, 176) }
```

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

```
.background{ background-color: rgb(55, 147,  
176) }
```

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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