

# Converting Colors

YIQ(108.5140, -7.1990, 3.8170)

Have a look what the booklet for  
YIQ(108.5140, -7.1990, 3.8170)  
contains.

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# Color

**YIQ(108.5140, -7.1990,  
3.8170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	686C7B
RGB	104, 108, 123
RGB Percent	41%, 42%, 48%
CMY	0.5922, 0.5765, 0.5177
CMYK	0.15, 0.12, 0.00, 0.52
HSL	227°, 8%, 45%
HSV	227°, 15%, 48%
XYZ	14.6462, 15.0983, 20.8779
YIQ	108.5140, -7.1990, 3.8170

# Conversions

## Conversions Part 2

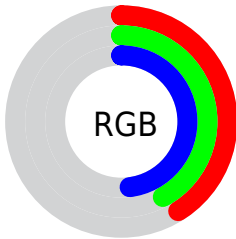
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 107, 123
Decimal	6843515
CIELab	45.77, 1.82, -8.83
CIELCh	46, 9.016, 281.619
Yxy	15.0983, 0.2893, 0.2983
Android (android.graphics.Color)	4285033595 (0xFF686C7B)
YUV	108.5140, 7.1416, -3.9588
Hunter-Lab	38.8566, -0.7172, -4.6572

# Details

The YIQ color **108.5140, -7.1990, 3.8170** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **118.4860, 7.1990, -3.8170**, and the grayscale version is **108.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **159.6280, -7.5200, 4.1280**, and **61.2860, -6.5570, 3.1950** is the 20% darker color. If you saturate the color by 10%, you get **99.0560, -11.6010, 6.5030**, and if you desaturate by 10%, it is **117.9720, -2.7970, 1.1310**.

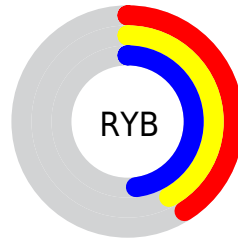
# Distribution



Red (41%)

Green (42%)

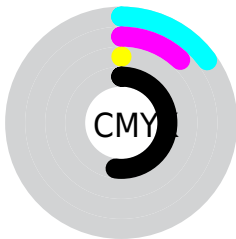
Blue (48%)



Red (41%)

Yellow (42%)

Blue (48%)

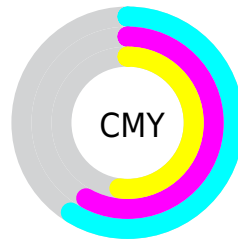


Cyan (15%)

Magenta (12%)

Yellow (0%)

Black (52%)



Cyan (59%)

Magenta (58%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 108.5140, -7.1990, 3.8170 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 108.5140, -7.1990, 3.8170 by changing the saturation by 10% instead.



■ 108.5140, -7.1990,  
3.8170

■ 108.5140, -7.1990,  
3.8170

■ 255.0000, -0.0000,  
-0.0000

■ 84.4000, -6.8780,  
3.5060

■ 159.6280, -7.5200,  
4.1280

■ 61.2860, -6.5570,  
3.1950

■ 186.7420, -7.8410,  
4.4390

■ 39.2860, -6.5570,  
3.1950

■ 214.7420, -7.8410,  
4.4390

■ 18.2860, -6.5570,  
3.1950

■ 242.2860, -6.5570,  
3.1950

■ 0.4560, -1.2840,  
1.2440

■ 0.0000, 0.0000,  
0.0000

■ 108.5140, -7.1990,  
3.8170

■ 108.5140, -7.1990,  
3.8170

■ 99.0560, -11.6010,  
6.5030

■ 117.9720, -2.7970,  
1.1310

■ 89.8860, -16.8740,  
8.4540

■ 127.1420, 2.4760,  
-0.8200

■ 80.4280, -21.2760,  
11.1400

■ 136.6000, 6.8780,  
-3.5060

■ 70.9700, -25.6780,  
13.8260

■ 146.0580, 11.2800,  
-6.1920

■ 61.5120, -30.0800,  
16.5120

■ 155.5160, 15.6820,  
-8.8780

■ 52.3420, -35.3530,  
18.4630

■ 164.6860, 20.9550,  
-10.8290

■ 42.8840, -39.7550,  
21.1490

■ 174.1440, 25.3570,  
-13.5150

■ 33.4260, -44.1570,

■ 183.6020, 29.7590,

23.8350

-16.2010

■ 29.2840, -46.6330,  
24.6550

■ 192.7720, 35.0320,  
-18.1520

# Harmonies

## Analogous

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



106.8830, -12.7920, 0.5520



108.5140, -7.1990, 3.8170



109.6890, -0.3220, 5.8380

# Triad

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



108.5140, -7.1990, 3.8170



109.4100, 13.5250, 2.6850



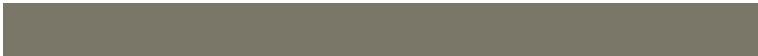
105.8910, -7.2430, -6.4030

# Complementary

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



108.5140, -7.1990, 3.8170



118.4860, 7.1990, -3.8170

# 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.



107.0120, -0.2740, -6.0500



108.5140, -7.1990, 3.8170



108.5190, 11.6000, -0.9760

# Square

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



108.5140, -7.1990, 3.8170



109.6210, 11.5530, 5.3850



107.8880, 6.0070, -4.2410



105.8950, -13.0660, -5.4980



# Rectangle

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



108.5140, -7.1990, 3.8170



109.8530, 5.0880, 6.9120



107.8880, 6.0070, -4.2410



106.2610, -5.4090, -6.6010

# Sweetspot

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



108.5140, -7.1990, 3.8170



154.4990, -2.8430, 1.9650



116.8630, -10.0400, -5.2720



78.1570, -1.8800, 1.0320



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



108.5140, -7.1990, 3.8170



137.6430, -11.8760, 5.9800



107.6610, -3.1190, 6.9690



56.2710, -2.2010, 1.3430



29.5120, -47.2750, 25.2770



59.8390, -95.4670, 50.6530



# Inverse Universe

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



110.1370, 10.0400, 5.2720



140.0670, 16.2290, 8.7490



119.3390, 3.1190, -6.9690



56.9080, 3.2550, 1.5830



40.3390, 66.1540, 34.5860

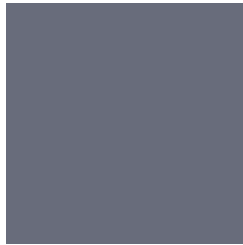


81.3900, 133.1790, 69.9070



# Previews

## White Background



This preview shows how the YIQ color 108.5140, -7.1990, 3.8170 looks on a white 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



# Black Background



This preview shows how the YIQ color 108.5140, -7.1990, 3.8170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

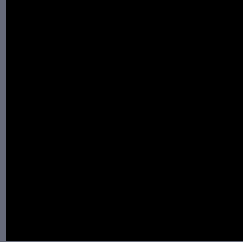
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

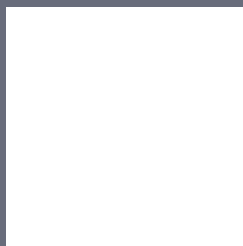
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 108.5140, -7.1990, 3.8170**

## **Background**



This preview shows how black text looks on a background with the YIQ color 108.5140, -7.1990, 3.8170.



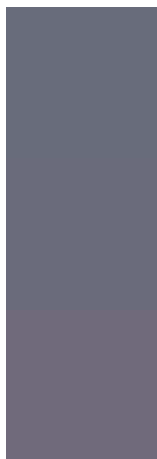
This preview shows how white text looks on a background with the YIQ color 108.5140, -7.1990,

3.8170.

# 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

108.5140, -7.1990, 3.8170

### Protanopia

108.5250, -5.7320, 4.7640

### Deuteranopia

109.7320, -1.8810, 6.5590



## Tritanopia

108.2320, -6.4650, 1.5270

# Trichromacy



## Original Color

108.5140, -7.1990, 3.8170

## Protanomaly

108.2260, -6.3280, 4.5520

## Deuteranomaly

109.4220, -3.9440, 5.4000

## Tritanomaly

108.4600, -7.1070, 2.1490

# Monochromacy



## Original Color

108.5140, -7.1990, 3.8170

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

108.9720, -2.7970, 1.1310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 108.5140, -7.1990, 3.8170 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, 108, 123)` looks like.

```
.text, #text, p{  
    color:rgb(104, 108, 123)  
}
```

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, 108, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 108, 123) }
```

## Border

The CSS property to change the border of an element to YIQ 108.5140, -7.1990, 3.8170 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, 108, 123) }
```



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

```
.border{ border-color:rgb(104, 108, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 108, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 108, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 108, 123);  
box-shadow:4px 4px 4px 4px rgb(104, 108,  
123) }
```

# Background

The CSS property to change the background color of an element to YIQ 108.5140, -7.1990, 3.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 108, 123) }
```

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

```
.background{ background-color: rgb(104,  
108, 123) }
```

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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