

# Converting Colors

YIQ(159.6970, -38.3310, 6.3490)

Have a look what the booklet for  
YIQ(159.6970, -38.3310, 6.3490)  
contains.

<b>YIQ(159.6970, -38.3310, 6.3490)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(159.6970, -38.3310,  
6.3490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7FA6D5
RGB	127, 166, 213
RGB Percent	50%, 65%, 84%
CMY	0.5020, 0.3489, 0.1649
CMYK	0.40, 0.22, 0.00, 0.16
HSL	213°, 51%, 67%
HSV	213°, 40%, 84%
XYZ	34.3933, 36.5909, 68.1688
YIQ	159.6970, -38.3310, 6.3490

# Conversions

## Conversions Part 2

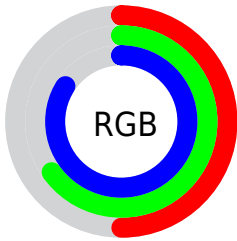
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 154, 213
Decimal	8365781
CIE Lab	66.97, -1.33, -28.05
CIE LCh	67, 28.077, 267.295
Yxy	36.5909, 0.2472, 0.2630
Android (android.graphics.Color)	4286555861 (0xFF7FA6D5)
YUV	159.6970, 26.2784, -28.6753
Hunter-Lab	60.4904, -4.3675, -24.4728

# Details

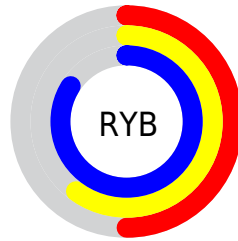
The YIQ color **159.6970, -38.3310, 6.3490** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **180.3030, 38.3310, -6.3490**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.2150, -34.1580, 2.3060**, and **106.7570, -38.5600, 4.9920** is the 20% darker color. If you saturate the color by 10%, you get **146.3740, -47.5470, 8.1730**, and if you desaturate by 10%, it is **173.0200, -29.1150, 4.5250**.

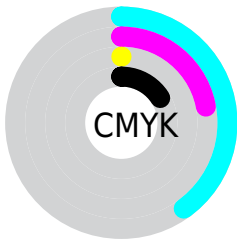
# Distribution



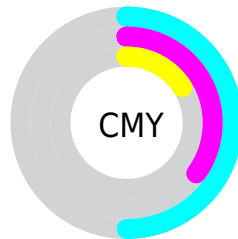
- Red (50%)
- Green (65%)
- Blue (84%)



- Red (50%)
- Yellow (60%)
- Blue (84%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)



- Cyan (50%)
- Magenta (35%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.6970, -38.3310, 6.3490 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 159.6970, -38.3310, 6.3490 by changing the saturation by 10% instead.



■ 159.6970,  
-38.3310, 6.3490

■ 159.6970,  
-38.3310, 6.3490

■ 255.0000, -0.0000,  
-0.0000

■ 133.1700,  
-38.2850, 5.5150

■ 213.2150,  
-34.1580, 2.3060

■ 106.7570,  
-38.5600, 4.9920

■ 238.3220,  
-24.5740, -6.1900

■ 81.3330, -40.3020,  
3.5220

■ 250.5150, -8.9400,  
-3.1800

■ 54.1040, -47.0870,  
-0.1670

■ 35.7630, -38.6970,  
1.9670

■ 21.4010, -25.8140,  
5.2740

■ 5.3920, -12.4270,

10.4610

■ 2.0690, -4.4480,  
3.5200

■ 0.0000, 0.0000,  
0.0000

■ 159.6970,  
-38.3310, 6.3490

■ 159.6970,  
-38.3310, 6.3490

■ 146.3740,  
-47.5470, 8.1730

■ 173.0200,  
-29.1150, 4.5250

■ 133.3390,  
-57.6340, 9.2620

■ 186.0550,  
-19.0280, 3.4360

■ 120.0160,  
-66.8500, 11.0860

■ 199.3780, -9.8120,  
1.6120

■ 107.2800,  
-76.3410, 12.3870

■ 212.7010, -0.5960,  
-0.2120

■ 93.9570, -85.5570,  
14.2110

■ 225.4370, 8.8950,  
-1.5130

■ 81.2210, -95.0480,  
15.5120

■ 239.0590, 18.7070,  
-3.1250

■ 245.5160, 15.6820,  
-8.8780

■ 250.2120, 13.4820,  
-13.0620

# Harmonies

## Analogous

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



153.0270, -57.3560, -6.7960



159.6970, -38.3310, 6.3490



164.9070, -12.1990, 17.3450

# Triad

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



159.6970, -38.3310, 6.3490



165.4630, 41.5370, 12.6490



155.5010, -15.4930, -22.0930

# Complementary

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



159.6970, -38.3310, 6.3490



180.3030, 38.3310, -6.3490

# 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.



159.0110, 9.4940, -17.8820



159.6970, -38.3310, 6.3490



163.7150, 40.3470, 1.1710

# Square

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



159.6970, -38.3310, 6.3490



166.2420, 32.2740, 20.8340



162.1060, 28.5200, -10.2640



152.0390, -40.4350, -21.6110



# Rectangle

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



159.6970, -38.3310, 6.3490



166.1110, 4.9020, 21.3020



162.1060, 28.5200, -10.2640



156.5190, -6.7360, -21.1040

# Sweetspot

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



159.6970, -38.3310, 6.3490



235.7520, -13.8010, 2.3190



182.7260, -38.4160, -30.6720



116.7480, -7.9780, 1.4140



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

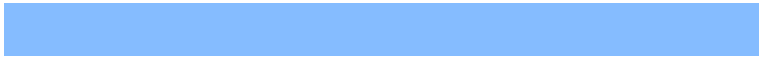


# Same Dimension

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



159.6970, -38.3310, 6.3490



179.1930, -54.2870, 9.1770



137.7010, -25.8180, 27.3820



100.1890, -4.9060, 0.8060



65.2800, -76.3410, 12.3870



16.6420, -19.3030, 2.9130



# Inverse Universe

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



157.1600, 38.7370, 30.3610



175.7480, 55.0570, 42.9690



202.2990, 25.8180, -27.3820



99.8590, 4.9510, 3.8870



60.0210, 76.8780, 60.5100

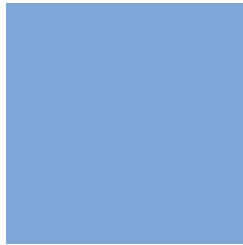


15.1370, 19.2080, 15.3360



# Previews

## White Background



This preview shows how the YIQ color 159.6970, -38.3310, 6.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

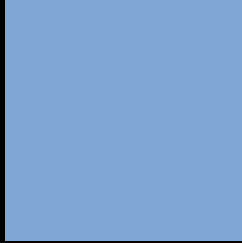
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.6970, -38.3310, 6.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

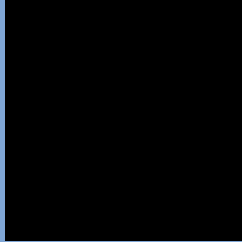
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

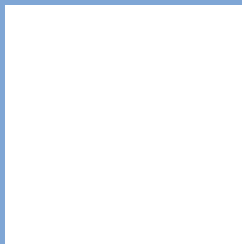
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 159.6970, -38.3310, 6.3490

## Background



This preview shows how black text looks on a background with the YIQ color 159.6970, -38.3310, 6.3490.



This preview shows how white text looks on a background with the YIQ color 159.6970, -38.3310,



# 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

159.6970, -38.3310, 6.3490

### Protanopia

163.1830, -21.9640, 12.5960

### Deuteranopia

163.1660, -23.2940, 14.6740



## Tritanopia

157.3470, -34.8900, -6.4580

# Trichromacy



## Original Color

159.6970, -38.3310, 6.3490

## Protanomaly

162.0790, -27.6030, 10.1650

## Deuteranomaly

161.9480, -28.6120, 11.9320

## Tritanomaly

158.2100, -35.7620, -1.6660

# Monochromacy



## Original Color

159.6970, -38.3310, 6.3490

## Achromatopsia

160.0000, 0.0000, -0.0000

## Achromatomaly

159.7520, -13.8010, 2.3190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.6970, -38.3310, 6.3490 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(127, 166, 213)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 213)  
}
```

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(127, 166, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 159.6970, -38.3310, 6.3490 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(127, 166, 213) }
```



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

```
.border{ border-color:rgb(127, 166, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 166, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 213);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.6970, -38.3310, 6.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 213) }
```

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

```
.background{ background-color: rgb(127,  
166, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor