

# Converting Colors

YIQ(159.3070, -20.2180,  
-8.0420)

Have a look what the booklet for  
YIQ(159.3070, -20.2180, -8.0420)  
contains.

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# Color

**YIQ(159.3070, -20.2180,  
-8.0420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87AAA8
RGB	135, 170, 168
RGB Percent	53%, 67%, 66%
CMY	0.4707, 0.3333, 0.3413
CMYK	0.21, 0.00, 0.01, 0.33
HSL	177°, 17%, 60%
HSV	177°, 21%, 67%
XYZ	31.4317, 36.7305, 42.4691
YIQ	159.3070, -20.2180, -8.0420

# Conversions

## Conversions Part 2

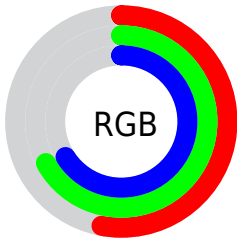
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 153, 170
Decimal	8891048
CIELab	67.07, -12.31, -2.90
CIElCh	67, 12.651, 193.236
Yxy	36.7305, 0.2841, 0.3320
Android (android.graphics.Color)	4287081128 (0xFF87AAA8)
YUV	159.3070, 4.2856, -21.3172
Hunter-Lab	60.6057, -13.4851, 0.8769

# Details

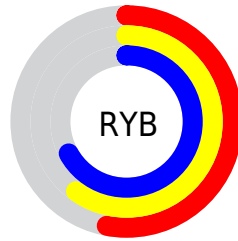
The YIQ color **159.3070, -20.2180, -8.0420** is a light color, and the websafe version is hex **669999**. A complement of this color would be **145.6930, 20.2180, 8.0420**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **214.0080, -20.8140, -8.2540**, and **107.6060, -19.6220, -7.8300** is the 20% darker color. If you saturate the color by 10%, you get **154.1100, -30.0290, -11.9570**, and if you desaturate by 10%, it is **164.5040, -10.4070, -4.1270**.

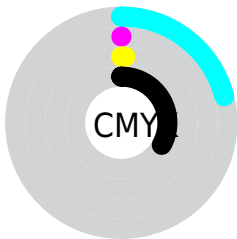
# Distribution



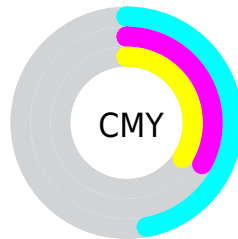
- Red (53%)
- Green (67%)
- Blue (66%)



- Red (53%)
- Yellow (60%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (47%)
- Magenta (33%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.3070, -20.2180, -8.0420 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 159.3070, -20.2180, -8.0420 by changing the saturation by 10% instead.



■ 159.3070,  
-20.2180, -8.0420

■ 159.3070,  
-20.2180, -8.0420

■ 255.0000, -0.0000,  
-0.0000

■ 132.7200,  
-19.9430, -7.5190

■ 214.0080,  
-20.8140, -8.2540

■ 107.6060,  
-19.6220, -7.8300

■ 242.7090,  
-21.4100, -8.4660

■ 82.9050, -19.0260,  
-7.6180

■ 252.0100, -5.9600,  
-2.1200

■ 59.3180, -18.7510,  
-7.0950

■ 37.0190, -19.3470,  
-7.3070

■ 18.6990, -15.4500,  
-6.3460

■ 0.0000, 0.0000,

0.0000

■ 159.3070,  
-20.2180, -8.0420

■ 159.3070,  
-20.2180, -8.0420

■ 154.1100,  
-30.0290, -11.9570

■ 164.5040,  
-10.4070, -4.1270

■ 148.9130,  
-39.8400, -15.8720

■ 169.7010, -0.5960,  
-0.2120

■ 143.7160,  
-49.6510, -19.7870

■ 174.8980, 9.2150,  
3.7030

■ 138.5190,  
-59.4620, -23.7020

■ 180.0950, 19.0260,  
7.6180

■ 133.3220,  
-69.2730, -27.6170

■ 185.2920, 28.8370,  
11.5330

■ 128.1250,  
-79.0840, -31.5320

■ 190.4890, 38.6480,  
15.4480

■ 122.9280,  
-88.8950, -35.4470

■ 195.6860, 48.4590,  
19.3630

■ 118.0300,  
-98.1100, -39.1500

■ 196.0990, 48.7340,  
19.8860

■ 196.2130, 48.4130,  
20.1970

# Harmonies

## Analogous

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



159.4450, -11.9190, -9.7670



159.3070, -20.2180, -8.0420



159.8600, -23.1530, -4.4090

# Triad

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



159.3070, -20.2180, -8.0420



165.2810, 1.0070, 9.2870



163.6290, 17.1020, -1.5700

# Complementary

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



159.3070, -20.2180, -8.0420



145.6930, 20.2180, 8.0420

# 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.



164.6450, 20.1730, 3.3490



159.3070, -20.2180, -8.0420



165.3700, 11.0020, 9.8660

# Square

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



159.3070, -20.2180, -8.0420



163.1270, -10.3630, 6.0930



165.7960, 18.4300, 7.4060



162.2750, 9.1710, -6.5170



# Rectangle

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



159.3070, -20.2180, -8.0420



160.7510, -21.2280, -0.7480



165.7960, 18.4300, 7.4060



164.0530, 18.8440, -0.1000

# Sweetspot

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



159.3070, -20.2180, -8.0420



217.9990, -7.4270, -3.0670



156.1430, -8.4330, -17.8810



109.6080, -4.7680, -1.6960



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



159.3070, -20.2180, -8.0420



204.9140, -32.4130, -12.8050



150.7300, -16.7350, 0.4250



81.6080, -4.7680, -1.6960



102.7220, -85.3190, -34.1750



13.9060, -11.5990, -4.5510



# Inverse Universe

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



145.6930, 20.2180, 8.0420



183.2000, 32.0920, 13.1160



154.2700, 16.7350, -0.4250



78.3920, 4.7680, 1.6960



45.2780, 85.3190, 34.1750



6.0940, 11.5990, 4.5510



# Previews

## White Background



This preview shows how the YIQ color 159.3070, -20.2180, -8.0420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

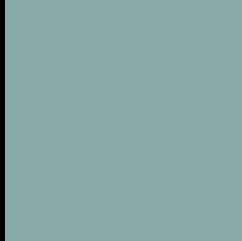
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.3070, -20.2180, -8.0420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

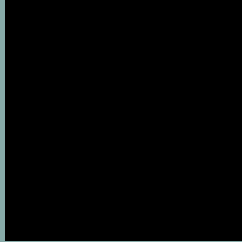
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

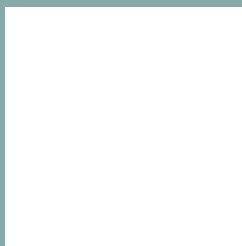
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 159.3070, -20.2180, -8.0420

## Background



This preview shows how black text looks on a background with the YIQ color 159.3070, -20.2180, -8.0420.



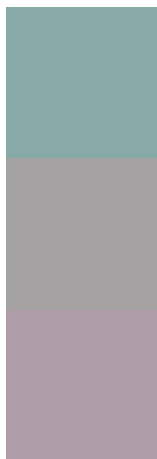
This preview shows how white text looks on a background with the YIQ color 159.3070, -20.2180,

-8.0420.

# 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

159.3070, -20.2180, -8.0420

### Protanopia

163.0110, 1.4670, 0.9470

### Deuteranopia

164.4510, 6.2800, 7.3360



## Tritanopia

160.5120, -22.0530, -2.3170

# Trichromacy



## Original Color

159.3070, -20.2180, -8.0420

## Protanomaly

161.7110, -6.5560, -2.3320

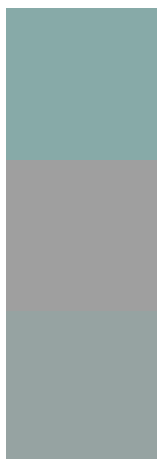
## Deuteranomaly

162.2000, -3.4390, 1.7530

## Tritanomaly

160.2300, -21.3190, -4.6070

# Monochromacy



## Original Color

159.3070, -20.2180, -8.0420

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.9990, -7.4270, -3.0670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.3070, -20.2180, -8.0420 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(135, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 168)  
}
```

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(135, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 159.3070, -20.2180, -8.0420 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".

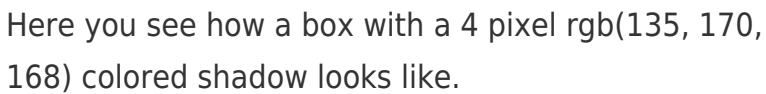
```
.border, #border, table{ border:4px solid rgb(135, 170, 168) }
```



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

```
.border{ border-color:rgb(135, 170, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 170, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 170, 168); box-shadow:4px 4px 4px 4px rgb(135, 170, 168) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.3070, -20.2180, -8.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 168) }
```

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

```
.background{ background-color: rgb(135,  
170, 168) }
```

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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