

# Converting Colors

YIQ(122.1900, -59.3730,  
-8.7890)

Have a look what the booklet for  
YIQ(122.1900, -59.3730, -8.7890)  
contains.

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# Color

**YIQ(122.1900, -59.3730,  
-8.7890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C90AD
RGB	60, 144, 173
RGB Percent	24%, 56%, 68%
CMY	0.7649, 0.4351, 0.3218
CMYK	0.65, 0.17, 0.00, 0.32
HSL	195°, 49%, 46%
HSV	195°, 65%, 68%
XYZ	19.3758, 23.9310, 43.0997
YIQ	122.1900, -59.3730, -8.7890

# Conversions

## Conversions Part 2

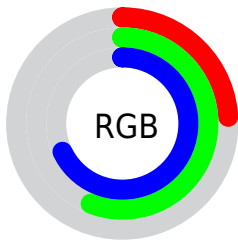
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 108, 173
Decimal	3969197
CIE <sub>Lab</sub>	56.02, -16.16, -22.68
CIE <sub>LCh</sub>	56, 27.845, 234.532
Yxy	23.9310, 0.2242, 0.2770
Android (android.graphics.Color)	4282159277 (0xFF3C90AD)
YUV	122.1900, 25.0493, -54.5406
Hunter-Lab	48.9194, -14.9094, -17.9931

# Details

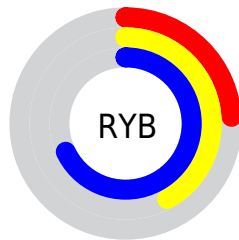
The YIQ color **122.1900, -59.3730, -8.7890** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **110.8100, 59.3730, 8.7890**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **177.9130, -57.0350, -7.1070**, and **68.9720, -64.6910, -11.5310** is the 20% darker color. If you saturate the color by 10%, you get **114.7590, -68.4050, -10.3010**, and if you desaturate by 10%, it is **129.6210, -50.3410, -7.2770**.

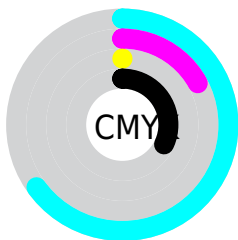
# Distribution



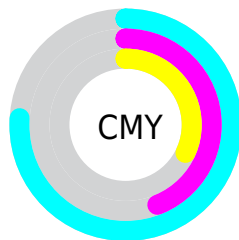
- Red (24%)
- Green (56%)
- Blue (68%)



- Red (24%)
- Yellow (42%)
- Blue (68%)



- Cyan (65%)
- Magenta (17%)
- Yellow (0%)
- Black (32%)



- Cyan (76%)
- Magenta (44%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.1900, -59.3730, -8.7890 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 122.1900, -59.3730, -8.7890 by changing the saturation by 10% instead.



■ 122.1900,  
-59.3730, -8.7890

■ 122.1900,  
-59.3730, -8.7890

■ 255.0000, -0.0000,  
-0.0000

■ 92.1890, -66.8000,  
-11.8560

■ 177.7990,  
-56.7140, -7.4180

■ 68.9720, -64.6910,  
-11.5310

■ 205.9840,  
-55.7970, -7.5170

■ 52.0340, -50.0660,  
-6.7540

■ 231.6780,  
-46.4880, -16.5360

■ 35.7970, -36.0370,  
-2.1890

■ 240.3490,  
-29.2040, -10.3880

■ 22.0220, -23.4290,  
0.5950

■ 249.0200,  
-11.9200, -4.2400

■ 4.3660, -9.5380,  
7.6620

■ 0.0000, 0.0000,

0.0000

■ 122.1900,  
-59.3730, -8.7890

■ 122.1900,  
-59.3730, -8.7890

■ 114.7590,  
-68.4050, -10.3010

■ 129.6210,  
-50.3410, -7.2770

■ 106.4420,  
-77.7580, -11.5020

■ 137.9380,  
-40.9880, -6.0760

■ 99.0110, -86.7900,  
-13.0140

■ 145.3690,  
-31.9560, -4.5640

■ 95.4450, -91.0080,  
-13.6640

■ 153.3870,  
-23.1990, -3.5750

■ 160.8180,  
-14.1670, -2.0630

■ 169.1350, -4.8140,  
-0.8620

■ 176.5660, 4.2180,  
0.6500

■ 183.9970, 13.2500,  
2.1620

■ 192.3140, 22.6030,  
3.3630

# Harmonies

## Analogous

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



118.9800, -59.1420, -18.4860



122.1900, -59.3730, -8.7890



129.8600, -40.3480, 4.3560

# Triad

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



122.1900, -59.3730, -8.7890



137.2740, 29.2480, 20.6080



130.7230, 10.3650, -17.1470

# Complementary

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



122.1900, -59.3730, -8.7890



110.8100, 59.3730, 8.7890

# 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.



133.0460, 28.7490, -8.9070



122.1900, -59.3730, -8.7890



136.2070, 39.3820, 13.1580

# Square

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



122.1900, -59.3730, -8.7890



137.7480, 10.3580, 21.5420



134.8720, 38.4670, 2.2030



126.9960, -12.5130, -21.0330



# Rectangle

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



122.1900, -59.3730, -8.7890



134.2860, -23.7520, 11.9600



134.8720, 38.4670, 2.2030



131.8980, 17.2420, -15.1260

# Sweetspot

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



122.1900, -59.3730, -8.7890



204.3870, -23.1990, -3.5750



129.5230, -40.0630, -50.3910



99.8180, -14.1670, -2.0630



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.



122.1900, -59.3730, -8.7890



145.8470, -92.2000, -14.0880



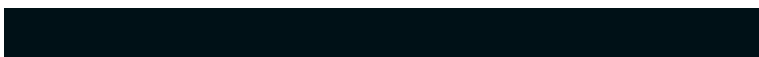
89.3180, -43.9730, 20.4990



82.5480, -4.5390, -0.3390



82.8440, -78.9500, -11.9260



12.6010, -12.0580, -1.7380



# Inverse Universe

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



103.3630, 40.3840, 50.0800



116.2590, 62.2490, 77.8410



143.6820, 43.9730, -20.4990



81.3750, 3.4380, 3.7740



57.6180, 53.4480, 66.6320



8.8150, 8.2510, 10.1630



# Previews

## White Background



This preview shows how the YIQ color 122.1900, -59.3730, -8.7890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

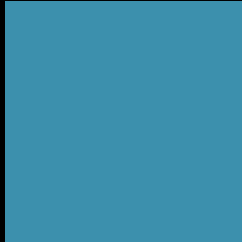
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.1900, -59.3730, -8.7890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

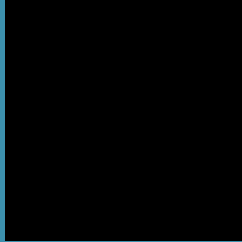
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.1900, -59.3730, -8.7890

## Background



This preview shows how black text looks on a background with the YIQ color 122.1900, -59.3730, -8.7890.



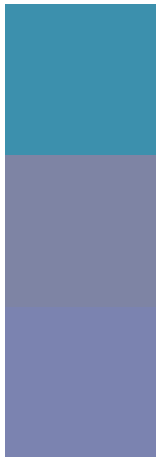
This preview shows how white text looks on a background with the YIQ color 122.1900, -59.3730, -8.7890.

-8.7890.

# 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

122.1900, -59.3730, -8.7890

### Protanopia

133.8540, -13.8480, 8.6800

### Deuteranopia

133.7380, -19.2130, 12.2990



## Tritanopia

119.8490, -60.1510, -16.7190

# Trichromacy



## Original Color

122.1900, -59.3730, -8.7890

## Protanomaly

129.3680, -30.2150, 2.4330

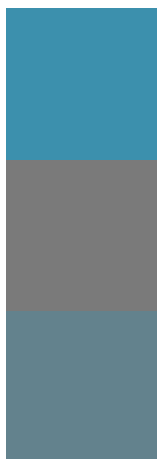
## Deuteranomaly

129.6820, -33.9750, 4.4970

## Tritanomaly

120.7290, -59.6930, -14.0050

# Monochromacy



## Original Color

122.1900, -59.3730, -8.7890

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

121.9850, -22.0070, -3.1510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.1900, -59.3730, -8.7890 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(60, 144, 173)` looks like.

```
.text, #text, p{  
    color:rgb(60, 144, 173)  
}
```

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(60, 144, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 144, 173) }
```

## Border

The CSS property to change the border of an element to YIQ 122.1900, -59.3730, -8.7890 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(60, 144, 173) }
```



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

```
.border{ border-color:rgb(60, 144, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 144, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 144, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 144, 173);  
box-shadow:4px 4px 4px 4px rgb(60, 144,  
173) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.1900, -59.3730, -8.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 144, 173) }
```

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

```
.background{ background-color: rgb(60, 144,  
173) }
```

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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