

# Converting Colors

YIQ(130.6790, -39.0610,  
-13.4690)

Have a look what the booklet for  
YIQ(130.6790, -39.0610, -13.4690)  
contains.

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# Color

**YIQ(130.6790, -39.0610,  
-13.4690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	559697
RGB	85, 150, 151
RGB Percent	33%, 59%, 59%
CMY	0.6668, 0.4116, 0.4080
CMYK	0.44, 0.01, 0.00, 0.41
HSL	181°, 28%, 46%
HSV	181°, 44%, 59%
XYZ	20.2361, 25.9839, 33.2101
YIQ	130.6790, -39.0610, -13.4690

# Conversions

## Conversions Part 2

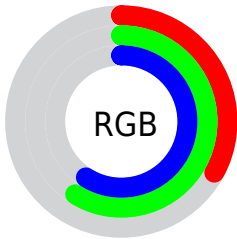
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 118, 151
Decimal	5609111
CIE <sub>Lab</sub>	58.02, -20.50, -7.00
CIE <sub>LCh</sub>	58, 21.662, 198.863
Yxy	25.9839, 0.2548, 0.3271
Android (android.graphics.Color)	4283799191 (0xFF559697)
YUV	130.6790, 10.0183, -40.0605
Hunter-Lab	50.9745, -18.3433, -2.9456

# Details

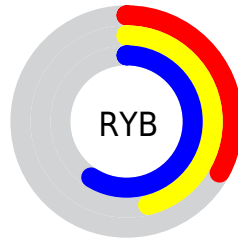
The YIQ color **130.6790, -39.0610, -13.4690** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **105.3210, 39.0610, 13.4690**, and the grayscale version is **131.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **184.6790, -39.0610, -13.4690**, and **78.1840, -42.0410, -14.5290** is the 20% darker color. If you saturate the color by 10%, you get **126.1940, -48.0010, -16.6490**, and if you desaturate by 10%, it is **135.1640, -30.1210, -10.2890**.

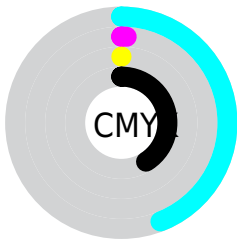
# Distribution



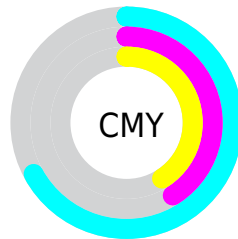
- Red (33%)
- Green (59%)
- Blue (59%)



- Red (33%)
- Yellow (46%)
- Blue (59%)



- Cyan (44%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)



- Cyan (67%)
- Magenta (41%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 130.6790, -39.0610, -13.4690 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 130.6790, -39.0610, -13.4690 by changing the saturation by 10% instead.



■ 130.6790,  
-39.0610, -13.4690

■ 130.6790,  
-39.0610, -13.4690

■ 255.0000, -0.0000,  
-0.0000

■ 104.3800,  
-39.6570, -13.6810

■ 184.6790,  
-39.0610, -13.4690

■ 78.1840, -42.0410,  
-14.5290

■ 212.9670,  
-39.9320, -14.2040

■ 52.6890, -45.0210,  
-15.5890

■ 236.7610,  
-36.3560, -12.9320

■ 36.6800, -31.6340,  
-10.4020

■ 245.4320,  
-19.0720, -6.7840

■ 21.8450, -18.7970,  
-6.2610

■ 254.1030, -1.7880,  
-0.6360

■ 1.0260, -2.8890,  
2.7990

■ 0.0000, 0.0000,

0.0000

■ 130.6790,  
-39.0610, -13.4690

■ 130.6790,  
-39.0610, -13.4690

■ 126.1940,  
-48.0010, -16.6490

■ 135.1640,  
-30.1210, -10.2890

■ 121.7090,  
-56.9410, -19.8290

■ 139.6490,  
-21.1810, -7.1090

■ 116.6370,  
-65.6060, -22.4860

■ 144.7210,  
-12.5160, -4.4520

■ 112.1520,  
-74.5460, -25.6660

■ 149.2060, -3.5760,  
-1.2720

■ 107.3680,  
-84.0820, -29.0580

■ 153.6910, 5.3640,  
1.9080

■ 104.6770,  
-89.4460, -30.9660

■ 158.4750, 14.9000,  
5.3000

■ 163.5470, 23.5650,  
7.9570

■ 168.0320, 32.5050,  
11.1370

■ 172.5170, 41.4450,  
14.3170

# Harmonies

## Analogous

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



132.5850, -24.2970, -16.7210



130.6790, -39.0610, -13.4690



131.9270, -42.4550, -7.0230

# Triad

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



130.6790, -39.0610, -13.4690



142.6500, 4.5820, 16.0860



139.4140, 24.8970, -5.1750

# Complementary

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



130.6790, -39.0610, -13.4690



105.3210, 39.0610, 13.4690

# 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.



140.8050, 31.4060, 3.5180



130.6790, -39.0610, -13.4690



142.4470, 21.2710, 16.4950

# Square

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



130.6790, -39.0610, -13.4690



140.1360, -14.5820, 10.9700



141.7760, 30.3500, 11.6460



137.2550, 11.9230, -12.3410



# Rectangle

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



130.6790, -39.0610, -13.4690



134.5520, -36.7250, -0.7330



141.7760, 30.3500, 11.6460



139.9630, 27.7850, -2.4470

# Sweetspot

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



130.6790, -39.0610, -13.4690



188.5250, -14.9000, -5.3000



123.7420, -18.1500, -34.5180



94.5150, -8.9400, -3.1800



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



130.6790, -39.0610, -13.4690



164.9150, -60.5170, -21.1010



111.8950, -30.2610, 3.2670



74.0210, -4.4930, -1.1730



96.9660, -82.8900, -28.6340



9.1130, -7.7480, -2.7560



# Inverse Universe

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



112.1440, 18.4710, 34.2070



136.0120, 28.3710, 53.0350



124.1050, 30.2610, -3.2670



72.1900, 2.5210, 3.8730



57.5920, 39.1420, 72.5980

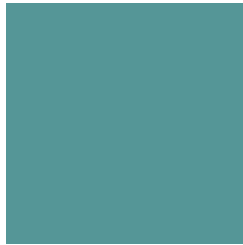


5.3690, 3.5750, 6.7990



# Previews

## White Background



This preview shows how the YIQ color 130.6790, -39.0610, -13.4690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

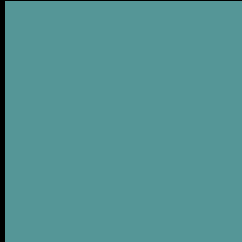
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 130.6790, -39.0610, -13.4690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

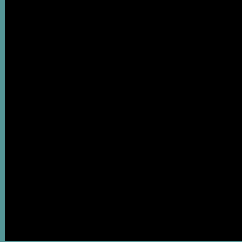
Any Text WCAG AA ✓ Pass

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 130.6790, -39.0610, -13.4690 Background



This preview shows how black text looks on a background with the YIQ color 130.6790, -39.0610, -13.4690.



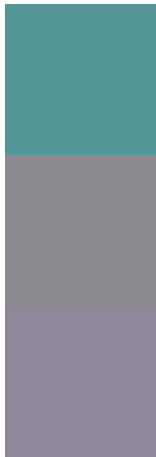
This preview shows how white text looks on a background with the YIQ color 130.6790, -39.0610, -13.4690.

-13.4690.

# 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

130.6790, -39.0610, -13.4690

### Protanopia

139.2820, -0.7340, 2.2900

### Deuteranopia

140.1560, -0.1390, 8.0290



## Tritanopia

132.1290, -40.2080, -9.2000

# Trichromacy



## Original Color

130.6790, -39.0610, -13.4690

## Protanomaly

135.9920, -14.7170, -3.1090

## Deuteranomaly

136.3990, -14.3050, 0.4390

## Tritanomaly

131.3740, -39.5200, -10.6560

# Monochromacy



## Original Color

130.6790, -39.0610, -13.4690

## Achromatopsia

131.0000, -0.0000, -0.0000

## Achromatomaly

130.8240, -14.3040, -5.0880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 130.6790, -39.0610, -13.4690 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(85, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(85, 150, 151)  
}
```

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(85, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 150, 151) }
```

## Border

The CSS property to change the border of an element to YIQ 130.6790, -39.0610, -13.4690 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(85, 150, 151) }
```



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

```
.border{ border-color:rgb(85, 150, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(85, 150,  
151) }
```

# Background

The CSS property to change the background color of an element to YIQ 130.6790, -39.0610, -13.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 150, 151) }
```

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

```
.background{ background-color: rgb(85, 150,  
151) }
```

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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