

# Converting Colors

YIQ(149.6710, -53.7780,  
-16.5780)

Have a look what the booklet for  
YIQ(149.6710, -53.7780, -16.5780)  
contains.

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# Color

**YIQ(149.6710, -53.7780,  
-16.5780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58AFB5
RGB	88, 175, 181
RGB Percent	35%, 69%, 71%
CMY	0.6551, 0.3136, 0.2904
CMYK	0.51, 0.03, 0.00, 0.29
HSL	184°, 39%, 53%
HSV	184°, 51%, 71%
XYZ	27.6915, 36.0803, 49.1908
YIQ	149.6710, -53.7780, -16.5780

# Conversions

## Conversions Part 2

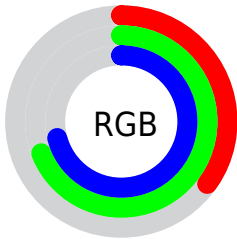
Format	Color
<b>RYB</b>	88, 133, 181
Decimal	5812149
CIELab	66.58, -24.49, -11.08
CIELCh	67, 26.878, 204.350
Yxy	36.0803, 0.2451, 0.3194
Android (android.graphics.Color)	4284002229 (0xFF58AFB5)
YUV	149.6710, 15.4452, -54.0855
Hunter-Lab	60.0669, -22.8266, -6.5078

# Details

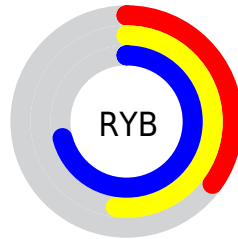
The YIQ color **149.6710, -53.7780, -16.5780** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **119.3290, 53.7780, 16.5780**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **205.9700, -53.1820, -16.3660**, and **92.7840, -61.5260, -19.3340** is the 20% darker color. If you saturate the color by 10%, you get **143.7020, -64.2310, -19.8710**, and if you desaturate by 10%, it is **155.6400, -43.3250, -13.2850**.

# Distribution



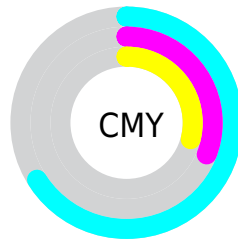
- Red (35%)
- Green (69%)
- Blue (71%)



- Red (35%)
- Yellow (52%)
- Blue (71%)



- Cyan (51%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (66%)
- Magenta (31%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.6710, -53.7780, -16.5780 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 149.6710, -53.7780, -16.5780 by changing the saturation by 10% instead.



■ 149.6710,  
-53.7780, -16.5780

■ 149.6710,  
-53.7780, -16.5780

■ 255.0000, -0.0000,  
-0.0000

■ 121.7740,  
-55.5660, -17.2140

■ 205.9700,  
-53.1820, -16.3660

■ 92.7840, -61.5260,  
-19.3340

■ 230.4820,  
-48.8720, -17.3840

■ 68.6810, -59.7380,  
-18.6980

■ 239.1530,  
-31.5880, -11.2360

■ 51.8570, -45.4340,  
-13.6100

■ 248.1230,  
-13.7080, -4.8760

■ 35.7340, -31.7260,  
-8.7340

■ 22.1870, -19.7600,  
-5.3280

■ 1.3680, -3.8520,

3.7320

■ 0.0000, 0.0000,  
0.0000

■ 149.6710,  
-53.7780, -16.5780

■ 149.6710,  
-53.7780, -16.5780

■ 143.7020,  
-64.2310, -19.8710

■ 155.6400,  
-43.3250, -13.2850

■ 137.7330,  
-74.6840, -23.1640

■ 161.6090,  
-32.8720, -9.9920

■ 131.7640,  
-85.1370, -26.4570

■ 167.5780,  
-22.4190, -6.6990

■ 125.2080,  
-95.3150, -29.2270

■ 174.1340,  
-12.2410, -3.9290

■ 119.8370,  
-104.5760, -32.0960

■ 180.1030, -1.7880,  
-0.6360

■ 186.3710, 9.2610,  
2.8690

■ 192.3400, 19.7140,  
6.1620

■ 198.3090, 30.1670,  
9.4550

■ 204.2780, 40.6200,  
12.7480

# Harmonies

## Analogous

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



151.6050, -36.2170, -20.9610



149.6710, -53.7780, -16.5780



152.4680, -54.2840, -7.4040

# Triad

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



149.6710, -53.7780, -16.5780



165.6340, 10.6790, 21.2310



161.3450, 29.3450, -8.6950

# Complementary

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



149.6710, -53.7780, -16.5780



119.3290, 53.7780, 16.5780

# 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.



163.1710, 39.0630, 2.4150



149.6710, -53.7780, -16.5780



165.7470, 29.2940, 19.7740

# Square

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



149.6710, -53.7780, -16.5780



163.1840, -14.5370, 15.6630



164.5060, 39.9780, 13.3700



158.3210, 11.5570, -16.7230



# Rectangle

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



149.6710, -53.7780, -16.5780



156.4140, -45.0240, 0.9920



164.5060, 39.9780, 13.3700



161.9050, 33.7000, -5.0200

# Sweetspot

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



149.6710, -53.7780, -16.5780



222.4750, -20.6310, -6.0630



143.1610, -27.1800, -47.0840



110.1340, -12.2410, -3.9290



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



149.6710, -53.7780, -16.5780



185.4760, -84.2660, -25.7220



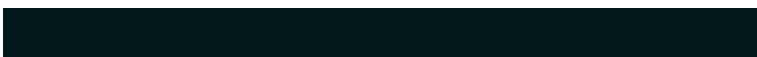
123.2560, -41.4030, 6.9570



86.3090, -5.3640, -1.9080



101.3830, -88.4380, -27.2060



17.0520, -14.9460, -4.4660



# Inverse Universe

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



125.7250, 27.5010, 46.7730



148.1580, 43.3600, 73.2480



145.7440, 41.4030, -6.9570



83.7170, 2.4750, 4.7070



62.0490, 45.2850, 76.9090



10.5100, 7.7920, 12.9760



# Previews

## White Background



This preview shows how the YIQ color 149.6710, -53.7780, -16.5780 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 149.6710, -53.7780, -16.5780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

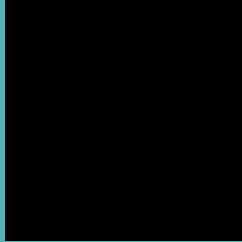
Any Text WCAG AA ✓ Pass

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 149.6710, -53.7780, -16.5780 Background



This preview shows how black text looks on a background with the YIQ color 149.6710, -53.7780, -16.5780.



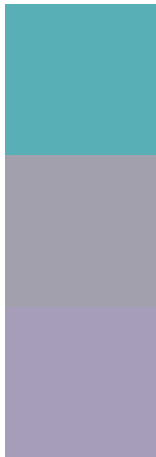
This preview shows how white text looks on a background with the YIQ color 149.6710, -53.7780, -16.5780.

-16.5780.

# 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

149.6710, -53.7780, -16.5780

### Protanopia

161.6670, -3.2560, 3.9440

### Deuteranopia

162.5840, -4.2200, 10.4040



## Tritanopia

150.4800, -54.5580, -13.4540

# Trichromacy



## Original Color

149.6710, -53.7780, -16.5780

## Protanomaly

156.8710, -21.6860, -3.4620

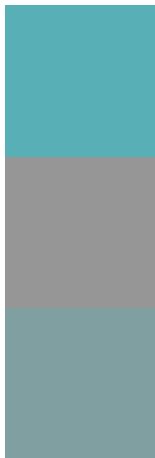
## Deuteranomaly

158.2070, -22.5120, 0.4960

## Tritanomaly

149.8390, -54.1910, -14.5990

# Monochromacy



## Original Color

149.6710, -53.7780, -16.5780

## Achromatopsia

150.0000, -0.0000, -0.0000

## Achromatomaly

149.6600, -19.7140, -6.1620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.6710, -53.7780, -16.5780 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(88, 175, 181)` looks like.

```
.text, #text, p{  
    color:rgb(88, 175, 181)  
}
```

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(88, 175, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 175, 181) }
```

## Border

The CSS property to change the border of an element to YIQ 149.6710, -53.7780, -16.5780 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(88, 175, 181) }
```



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

```
.border{ border-color:rgb(88, 175, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 175, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 175, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 175, 181);  
box-shadow:4px 4px 4px 4px rgb(88, 175,  
181) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.6710, -53.7780, -16.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 175, 181) }
```

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

```
.background{ background-color: rgb(88, 175,  
181) }
```

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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