

# Converting Colors

YIQ(159.4090, -63.8230, 5.7850)

Have a look what the booklet for  
YIQ(159.4090, -63.8230, 5.7850)  
contains.

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# Color

**YIQ(159.4090, -63.8230,  
5.7850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66ADF0
RGB	102, 173, 240
RGB Percent	40%, 68%, 94%
CMY	0.6001, 0.3214, 0.0591
CMYK	0.57, 0.28, 0.00, 0.06
HSL	209°, 82%, 67%
HSV	209°, 57%, 94%
XYZ	36.1418, 39.0082, 88.0019
YIQ	159.4090, -63.8230, 5.7850

# Conversions

## Conversions Part 2

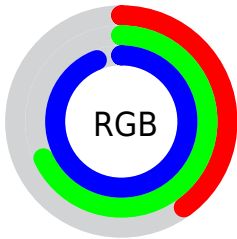
Format	Color
R <sub>Y</sub> B	102, 149, 240
Decimal	6729200
CIE Lab	68.76, -3.10, -40.16
CIE LCh	69, 40.284, 265.594
Yxy	39.0082, 0.2215, 0.2391
Android (android.graphics.Color)	4284919280 (0xFF66ADF0)
YUV	159.4090, 39.7314, -50.3477
Hunter-Lab	62.4565, -6.0063, -39.8207

# Details

The YIQ color **159.4090, -63.8230, 5.7850** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **182.5910, 63.8230, -5.7850**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **211.3440, -48.0030, -5.5950**, and **101.2720, -73.8630, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **145.1890, -74.8270, 6.9730**, and if you desaturate by 10%, it is **173.6290, -52.8190, 4.5970**.

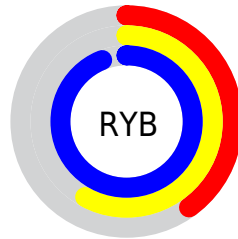
# Distribution



Red (40%)

Green (68%)

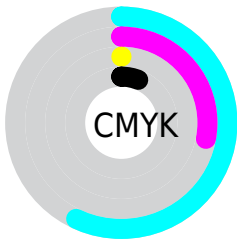
Blue (94%)



Red (40%)

Yellow (58%)

Blue (94%)

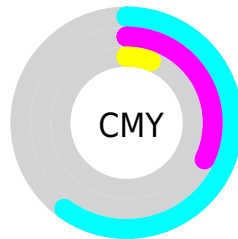


Cyan (57%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (60%)

Magenta (32%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.4090, -63.8230, 5.7850 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 159.4090, -63.8230, 5.7850 by changing the saturation by 10% instead.



■ 159.4090,  
-63.8230, 5.7850

■ 159.4090,  
-63.8230, 5.7850

■ 255.0000, -0.0000,  
-0.0000

■ 131.2730,  
-66.4360, 3.5800

■ 211.3440,  
-48.0030, -5.5950

■ 101.2720,  
-73.8630, 0.5130

■ 235.8640,  
-38.1440, -13.5680

■ 74.1360, -76.4760,  
-1.6920

■ 244.8340,  
-20.2640, -7.2080

■ 57.6710, -61.8050,  
2.2510

■ 253.8040, -2.3840,  
-0.8480

■ 41.9070, -47.7300,  
5.9820

■ 26.7300, -33.9300,  
9.1900

■ 9.4330, -19.6720,

15.1120

■ 5.0500, -11.4640,  
9.5280

■ 1.0260, -2.8890,  
2.7990

■ 159.4090,  
-63.8230, 5.7850

■ 159.4090,  
-63.8230, 5.7850

■ 145.1890,  
-74.8270, 6.9730

■ 173.6290,  
-52.8190, 4.5970

■ 131.5560,  
-86.1060, 7.6380

■ 187.2620,  
-41.5400, 3.9320

■ 117.3360,  
-97.1100, 8.8260

■ 201.4820,  
-30.5360, 2.7440

■ 103.1160,  
-108.1140, 10.0140

■ 215.7020,  
-19.5320, 1.5560

■ 100.1480,  
-111.1400, 9.7880

■ 229.3350, -8.2530,  
0.8910

■ 243.5550, 2.7510,  
-0.2970

■ 252.7030, 5.0900,  
-4.1420

■ 253.2900, 4.8150,  
-4.6650

# Harmonies

## Analogous

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



132.7120, -122.9170, -24.5890



159.4090, -63.8230, 5.7850



169.5180, -21.0490, 23.5510

# Triad

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



159.4090, -63.8230, 5.7850



169.6610, 58.7750, 19.6310



156.3550, -21.3140, -32.2420

# Complementary

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



159.4090, -63.8230, 5.7850



182.5910, 63.8230, -5.7850

# 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.



161.6660, 14.5390, -26.7170



159.4090, -63.8230, 5.7850



168.0390, 56.9900, 2.4140

# Square

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



159.4090, -63.8230, 5.7850



171.2100, 44.4680, 31.1240



165.5880, 41.5420, -14.9860



146.9600, -65.5580, -34.3740



# Rectangle

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



159.4090, -63.8230, 5.7850



172.2070, 4.9920, 30.6880



165.5880, 41.5420, -14.9860



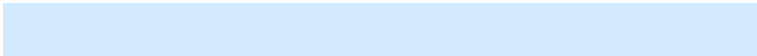
158.5260, -8.6140, -31.1260

# Sweetspot

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



159.4090, -63.8230, 5.7850



229.8160, -19.8530, 1.8670



190.6440, -59.4570, -51.3370



112.5950, -11.9210, 1.2870



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.



159.4090, -63.8230, 5.7850



152.4810, -81.5210, 7.1430



118.9060, -44.8480, 41.8720



112.8900, -5.5020, 0.5940



76.7410, -85.1890, 7.5390



23.4070, -25.9510, 2.2490



# Inverse Universe

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



151.3560, 59.4570, 51.3370



141.9980, 75.6850, 65.6130



223.0940, 44.8480, -41.8720



112.2720, 5.2260, 4.4100



65.8460, 79.1690, 68.5530

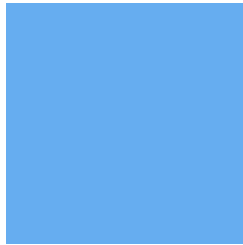


20.0500, 24.0670, 20.8910



# Previews

## White Background



This preview shows how the YIQ color 159.4090, -63.8230, 5.7850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

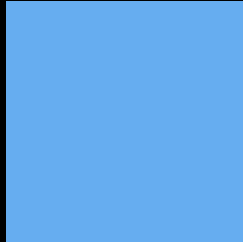
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.4090, -63.8230, 5.7850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

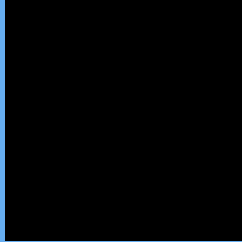
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 159.4090, -63.8230, 5.7850

## Background



This preview shows how black text looks on a background with the YIQ color 159.4090, -63.8230, 5.7850.



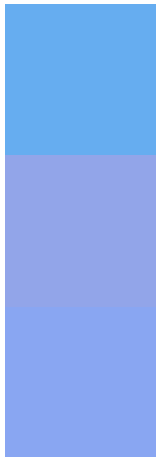
This preview shows how white text looks on a background with the YIQ color 159.4090, -63.8230, 5.7850.



# 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

159.4090, -63.8230, 5.7850

### Protanopia

167.0710, -33.1520, 17.1200

### Deuteranopia

165.9930, -41.6800, 17.4880



## Tritanopia

153.7070, -62.6270, -15.8990

# Trichromacy



## Original Color

159.4090, -63.8230, 5.7850

## Protanomaly

164.3900, -44.4760, 13.0920

## Deuteranomaly

163.7530, -49.9320, 12.8520

## Tritanomaly

155.8630, -62.7660, -7.8700

# Monochromacy



## Original Color

159.4090, -63.8230, 5.7850

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.9620, -23.2000, 1.9520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.4090, -63.8230, 5.7850 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(102, 173, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 240)  
}
```

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(102, 173, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 240) }
```

## Border

The CSS property to change the border of an element to YIQ 159.4090, -63.8230, 5.7850 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(102, 173, 240) }
```



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

```
.border{ border-color:rgb(102, 173, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
240) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.4090, -63.8230, 5.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 240) }
```

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

```
.background{ background-color: rgb(102,  
173, 240) }
```

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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