

# Converting Colors

YIQ(199.7890, -59.9220,  
-15.3620)

Have a look what the booklet for  
YIQ(199.7890, -59.9220, -15.3620)  
contains.

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# Color

**YIQ(199.7890, -59.9220,  
-15.3620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E2F0
RGB	133, 226, 240
RGB Percent	52%, 89%, 94%
CMY	0.4786, 0.1136, 0.0591
CMYK	0.45, 0.06, 0.00, 0.06
HSL	188°, 78%, 73%
HSV	188°, 45%, 94%
XYZ	52.5901, 65.6836, 92.2951
YIQ	199.7890, -59.9220, -15.3620

# Conversions

## Conversions Part 2

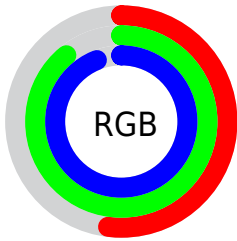
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 183, 240
Decimal	8774384
CIE Lab	84.83, -24.15, -15.43
CIE LCh	85, 28.659, 212.566
Yxy	65.6836, 0.2498, 0.3119
Android (android.graphics.Color)	4286964464 (0xFF85E2F0)
YUV	199.7890, 19.8240, -58.5740
Hunter-Lab	81.0454, -26.0016, -10.7881

# Details

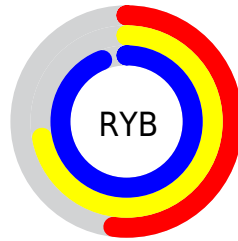
The YIQ color **199.7890, -59.9220, -15.3620** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **173.2110, 59.9220, 15.3620**, and the grayscale version is **200.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **235.8640, -38.1440, -13.5680**, and **142.8920, -61.7100, -15.9980** is the 20% darker color. If you saturate the color by 10%, you get **190.8520, -73.4010, -18.8810**, and if you desaturate by 10%, it is **208.7260, -46.4430, -11.8430**.

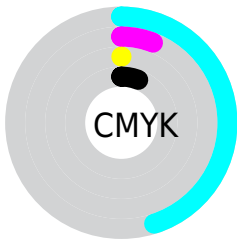
# Distribution



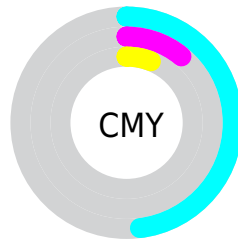
- Red (52%)
- Green (89%)
- Blue (94%)



- Red (52%)
- Yellow (72%)
- Blue (94%)



- Cyan (45%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)



- Cyan (48%)
- Magenta (11%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 199.7890, -59.9220, -15.3620 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 199.7890, -59.9220, -15.3620 by changing the saturation by 10% instead.



■ 199.7890,  
-59.9220, -15.3620

■ 199.7890,  
-59.9220, -15.3620

■ 255.0000, -0.0000,  
-0.0000

■ 171.4900,  
-60.5180, -15.5740

■ 235.8640,  
-38.1440, -13.5680

■ 142.8920,  
-61.7100, -15.9980

■ 244.8340,  
-20.2640, -7.2080

■ 114.3860,  
-66.1570, -18.0050

■ 253.5050, -2.9800,  
-1.0600

■ 84.2000, -74.5010,  
-20.9730

■ 66.6750, -59.6010,  
-15.6730

■ 49.8510, -45.2970,  
-10.5850

■ 33.7280, -31.5890,

-5.7090

■ 20.0670, -19.3020,  
-2.6140

■ 2.2970, -5.0900,  
4.1420

■ 199.7890,  
-59.9220, -15.3620

■ 199.7890,  
-59.9220, -15.3620

■ 190.8520,  
-73.4010, -18.8810

■ 208.7260,  
-46.4430, -11.8430

■ 181.9150,  
-86.8800, -22.4000

■ 217.6630,  
-32.9640, -8.3240

■ 172.9780,  
-100.3590, -25.9190

■ 226.6000,  
-19.4850, -4.8050

■ 164.0410,  
-113.8380, -29.4380

■ 236.1240, -6.2810,  
-1.8090

■ 154.5170,  
-127.0420, -32.4340

■ 245.0610, 7.1980,  
1.7100

■ 150.0430,  
-134.5150, -34.6670

■ 247.4200, 7.5650,  
0.5650

■ 249.1810, 6.7400,  
-1.0040

■ 250.9420, 5.9150,  
-2.5730

■ 252.7030, 5.0900,  
-4.1420

# Harmonies

## Analogous

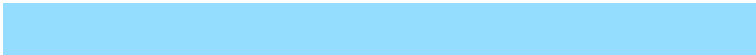
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



200.2880, -45.5700, -22.1620



199.7890, -59.9220, -15.3620



203.0490, -54.4220, -4.9020

# Triad

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



199.7890, -59.9220, -15.3620



216.5210, 18.4270, 23.9870



210.6390, 28.3370, -12.4550

# Complementary

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



199.7890, -59.9220, -15.3620



173.2110, 59.9220, 15.3620

# 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.



213.0310, 42.2730, -0.6950



199.7890, -59.9220, -15.3620



212.8890, 31.7700, 18.9540

# Square

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



199.7890, -59.9220, -15.3620



214.2990, -7.4310, 19.0410



211.6860, 39.2910, 9.2990



207.2770, 5.6890, -20.5110

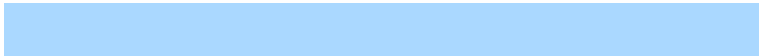


# Rectangle

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



199.7890, -59.9220, -15.3620



206.6920, -39.9350, 2.3770



211.6860, 39.2910, 9.2990



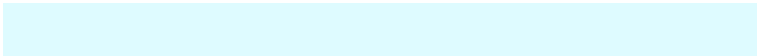
211.2700, 33.9300, -9.1900

# Sweetspot

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



199.7890, -59.9220, -15.3620



242.7850, -18.5680, -4.9040



197.1770, -33.2770, -52.2290



119.9600, -11.6910, -2.8830



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.



199.7890, -59.9220, -15.3620



203.1720, -77.2980, -19.8420



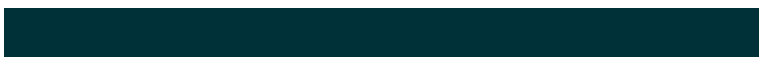
169.2650, -45.6220, 11.8340



115.2380, -6.6020, -1.4980



114.8960, -103.0640, -26.4560



35.1470, -31.4510, -8.2110



# Inverse Universe

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



175.5950, 33.9190, 51.6070



171.9420, 43.7280, 66.5760



203.7350, 45.6220, -11.8340



112.7280, 3.9420, 5.6540



73.2560, 58.3040, 88.7680

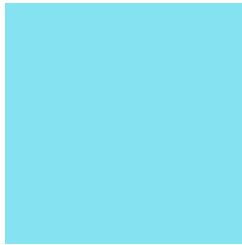


22.3300, 17.6470, 27.1110



# Previews

## White Background



This preview shows how the YIQ color 199.7890, -59.9220, -15.3620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

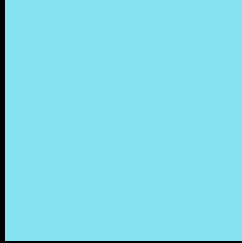
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 199.7890, -59.9220, -15.3620 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 199.7890, -59.9220, -15.3620 Background



This preview shows how black text looks on a background with the YIQ color 199.7890, -59.9220, -15.3620.



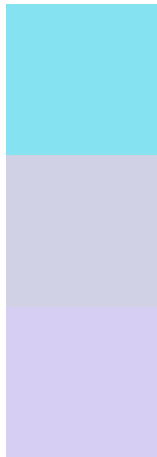
This preview shows how white text looks on a background with the YIQ color 199.7890, -59.9220, -15.3620.

-15.3620.

# 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

199.7890, -59.9220, -15.3620

### Protanopia

211.2800, -6.4200, 6.2200

### Deuteranopia

213.0230, -6.8340, 13.7260



## Tritanopia

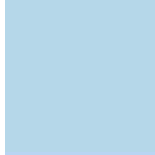
199.9570, -60.3350, -13.3830

# Trichromacy



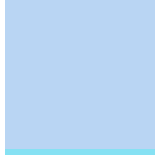
## Original Color

199.7890, -59.9220, -15.3620



## Protanomaly

206.8860, -26.0420, -1.6100



## Deuteranomaly

208.0480, -26.3180, 3.3940



## Tritanomaly

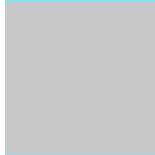
199.8430, -60.0140, -13.6940

# Monochromacy



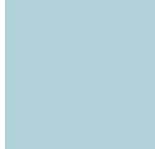
## Original Color

199.7890, -59.9220, -15.3620



## Achromatopsia

200.0000, -0.0000, -0.0000



## Achromatomaly

199.8170, -21.5940, -5.1300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 199.7890, -59.9220, -15.3620 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(133, 226, 240)` looks like.

```
.text, #text, p{  
    color:rgb(133, 226, 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(133, 226, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 226, 240) }
```

## Border

The CSS property to change the border of an element to YIQ 199.7890, -59.9220, -15.3620 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(133, 226, 240) }
```



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

```
.border{ border-color:rgb(133, 226, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 226, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 226, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 226, 240);  
box-shadow:4px 4px 4px 4px rgb(133, 226,  
240) }
```

# Background

The CSS property to change the background color of an element to YIQ 199.7890, -59.9220, -15.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 226, 240) }
```

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

```
.background{ background-color: rgb(133,  
226, 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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