

# Converting Colors

YIQ(193.1990, -72.7600,  
-13.9760)

Have a look what the booklet for  
YIQ(193.1990, -72.7600, -13.9760)  
contains.

<b>YIQ(193.1990, -72.7600, -13.9760)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(193.1990, -72.7600,  
-13.9760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73DEFA
RGB	115, 222, 250
RGB Percent	45%, 87%, 98%
CMY	0.5492, 0.1292, 0.0199
CMYK	0.54, 0.11, 0.00, 0.02
HSL	192°, 93%, 72%
HSV	192°, 54%, 98%
XYZ	50.4384, 62.8044, 99.8415
YIQ	193.1990, -72.7600, -13.9760

# Conversions

## Conversions Part 2

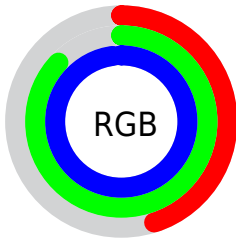
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	115, 175, 250
Decimal	7593722
CIE Lab	83.34, -23.38, -23.03
CIE LCh	83, 32.819, 224.562
Yxy	62.8044, 0.2367, 0.2947
Android (android.graphics.Color)	4285783802 (0xFF73DEFA)
YUV	193.1990, 28.0029, -68.5805
Hunter-Lab	79.2492, -25.0792, -19.2216

# Details

The YIQ color **193.1990, -72.7600, -13.9760** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **171.8010, 72.7600, 13.9760**, and the grayscale version is **193.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **231.0800, -47.6800, -16.9600**, and **134.0840, -79.8660, -17.3540** is the 20% darker color. If you saturate the color by 10%, you get **182.7890, -86.2850, -16.6610**, and if you desaturate by 10%, it is **203.6090, -59.2350, -11.2910**.

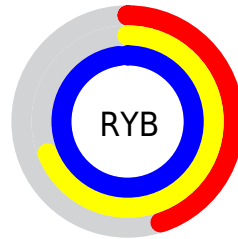
# Distribution



Red (45%)

Green (87%)

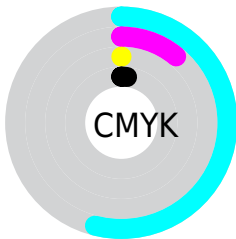
Blue (98%)



Red (45%)

Yellow (69%)

Blue (98%)

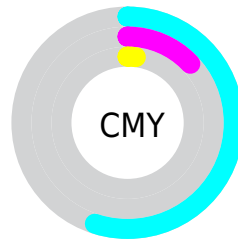


Cyan (54%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (55%)

Magenta (13%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 193.1990, -72.7600, -13.9760 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 193.1990, -72.7600, -13.9760 by changing the saturation by 10% instead.



■ 193.1990,  
-72.7600, -13.9760

■ 193.1990,  
-72.7600, -13.9760

■ 255.0000, -0.0000,  
-0.0000

■ 163.8890,  
-74.8230, -15.1350

■ 231.0800,  
-47.6800, -16.9600

■ 134.0840,  
-79.8660, -17.3540

■ 240.0500,  
-29.8000, -10.6000

■ 101.1040,  
-91.7860, -21.5940

■ 249.3190,  
-11.3240, -4.0280

■ 82.8780, -76.2900,  
-16.0820

■ 65.8260, -61.3440,  
-11.6160

■ 49.0020, -47.0400,  
-6.5280

■ 32.7650, -33.0110,

-1.9630

■ 17.9300, -20.1740,  
2.1780

■ 3.2090, -7.6580,  
6.6300

■ 193.1990,  
-72.7600, -13.9760

■ 193.1990,  
-72.7600, -13.9760

■ 182.7890,  
-86.2850, -16.6610

■ 203.6090,  
-59.2350, -11.2910

■ 172.3790,  
-99.8100, -19.3460

■ 214.0190,  
-45.7100, -8.6060

■ 161.9690,  
-113.3350, -22.0310

■ 225.0160,  
-32.4600, -6.4440

■ 150.9720,  
-126.5850, -24.1930

■ 235.4260,  
-18.9350, -3.7590

■ 144.7260,  
-134.7000, -25.8040

■ 245.8360, -5.4100,  
-1.0740

■ 253.2560, 2.1550,  
-0.5090

■ 254.4300, 1.6050,  
-1.5550

# Harmonies

## Analogous

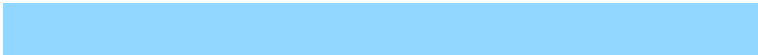
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



192.3660, -63.4050, -23.8290



193.1990, -72.7600, -13.9760



198.9290, -53.9640, -2.1880

# Triad

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



193.1990, -72.7600, -13.9760



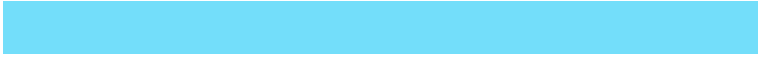
211.6640, 28.3300, 26.2340



204.0140, 22.6070, -18.7450

# Complementary

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



193.1990, -72.7600, -13.9760



171.8010, 72.7600, 13.9760

# 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.



207.3420, 42.5950, -6.5330



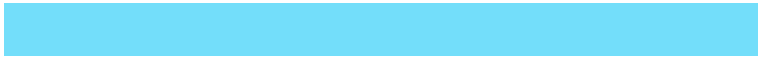
193.1990, -72.7600, -13.9760



206.9560, 38.8310, 17.6390

# Square

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



193.1990, -72.7600, -13.9760



212.2620, 3.1590, 25.3590



207.2860, 46.1690, 5.7930



200.9550, -5.2680, -25.6840



# Rectangle

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



193.1990, -72.7600, -13.9760



204.0780, -35.0300, 7.0980



207.2860, 46.1690, 5.7930



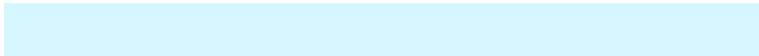
205.4280, 30.3090, -15.1550

# Sweetspot

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



193.1990, -72.7600, -13.9760



238.0450, -22.2360, -4.5080



197.3230, -45.7920, -62.2080



117.0030, -13.2500, -2.1620



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.



193.1990, -72.7600, -13.9760



185.4080, -89.5860, -17.4100



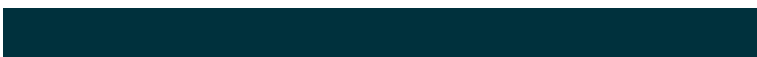
153.8700, -54.3350, 21.0650



119.3520, -6.9230, -1.1870



109.5960, -101.9190, -19.6710



35.7170, -33.0560, -6.6560



# Inverse Universe

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



167.5630, 46.1130, 61.8970



153.6820, 56.5640, 76.2440



210.5430, 54.6100, -20.5420



117.0270, 4.5380, 5.8660



73.6110, 64.4940, 86.7180

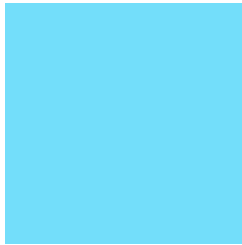


23.8250, 20.6270, 28.1710



# Previews

## White Background



This preview shows how the YIQ color 193.1990, -72.7600, -13.9760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

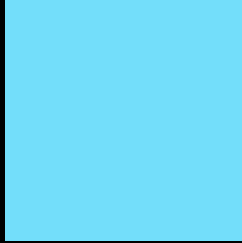
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 193.1990, -72.7600, -13.9760 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 193.1990, -72.7600, -13.9760 Background



This preview shows how black text looks on a background with the YIQ color 193.1990, -72.7600, -13.9760.



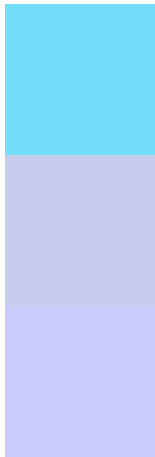
This preview shows how white text looks on a background with the YIQ color 193.1990, -72.7600, -13.9760.

-13.9760.

# 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

193.1990, -72.7600, -13.9760

### Protanopia

207.2670, -13.5730, 9.2030

### Deuteranopia

207.9280, -16.6920, 16.1720



## Tritanopia

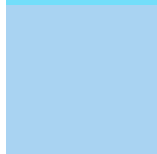
191.9770, -72.2550, -17.6230

# Trichromacy



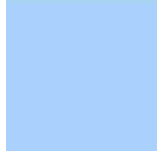
## Original Color

193.1990, -72.7600, -13.9760



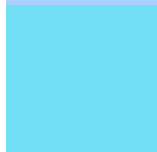
## Protanomaly

201.9760, -34.9830, 0.7370



## Deuteranomaly

202.3550, -37.3680, 5.4160



## Tritanomaly

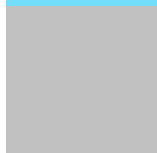
192.6180, -72.6220, -16.4780

# Monochromacy



## Original Color

193.1990, -72.7600, -13.9760



## Achromatopsia

193.0000, -0.0000, -0.0000



## Achromatomaly

193.4790, -26.4540, -5.1580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 193.1990, -72.7600, -13.9760 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(115, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(115, 222, 250)  
}
```

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(115, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 222, 250) }
```

## Border

The CSS property to change the border of an element to YIQ 193.1990, -72.7600, -13.9760 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(115, 222, 250) }
```



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

```
.border{ border-color:rgb(115, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(115, 222,  
250) }
```

# Background

The CSS property to change the background color of an element to YIQ 193.1990, -72.7600, -13.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 222, 250) }
```

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

```
.background{ background-color: rgb(115,  
222, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor