

# Converting Colors

YIQ(133.3360, -70.7470,  
10.1250)

Have a look what the booklet for  
YIQ(133.3360, -70.7470, 10.1250)  
contains.

<b>YIQ(133.3360, -70.7470, 10.1250)</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(133.3360, -70.7470,  
10.1250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4892E5
RGB	72, 146, 229
RGB Percent	28%, 57%, 90%
CMY	0.7177, 0.4273, 0.1023
CMYK	0.69, 0.36, 0.00, 0.10
HSL	212°, 75%, 59%
HSV	212°, 69%, 90%
XYZ	27.0844, 27.5962, 77.9634
YIQ	133.3360, -70.7470, 10.1250

# Conversions

## Conversions Part 2

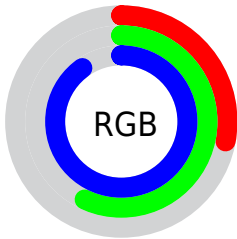
Format	Color
R <sub>Y</sub> B	72, 122, 229
Decimal	4756197
CIE Lab	59.52, 3.50, -48.72
CIE LCh	60, 48.841, 274.109
Yxy	27.5962, 0.2042, 0.2080
Android (android.graphics.Color)	4282946277 (0xFF4892E5)
YUV	133.3360, 47.1624, -53.7917
Hunter-Lab	52.5320, 0.0997, -51.2206

# Details

The YIQ color **133.3360, -70.7470, 10.1250** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **167.6640, 70.7470, -10.1250**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **187.1340, -55.7990, 3.5370**, and **76.0740, -81.9330, 3.5950** is the 20% darker color. If you saturate the color by 10%, you get **119.4150, -81.1550, 11.5250**, and if you desaturate by 10%, it is **147.2570, -60.3390, 8.7250**.

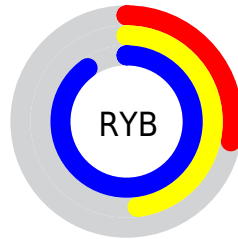
# Distribution



Red (28%)

Green (57%)

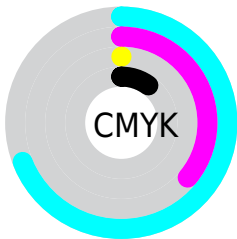
Blue (90%)



Red (28%)

Yellow (48%)

Blue (90%)

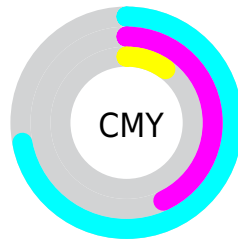


Cyan (69%)

Magenta (36%)

Yellow (0%)

Black (10%)



Cyan (72%)

Magenta (43%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.3360, -70.7470, 10.1250 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 133.3360, -70.7470, 10.1250 by changing the saturation by 10% instead.



■ 133.3360,  
-70.7470, 10.1250

■ 133.3360,  
-70.7470, 10.1250

■ 255.0000, -0.0000,  
-0.0000

■ 102.6120,  
-80.5120, 5.3760

■ 187.1340,  
-55.7990, 3.5370

■ 76.0740, -81.9330,  
3.5950

■ 212.5400,  
-45.6190, -4.7470

■ 59.4950, -66.9410,  
7.2270

■ 237.3590,  
-35.1640, -12.5080

■ 43.6170, -52.5450,  
10.6470

■ 246.6280,  
-16.6880, -5.9360

■ 28.9130, -38.6990,  
13.0210

■ 12.0890, -24.3950,  
18.1090

■ 7.7060, -16.1870,

12.5250

■ 3.4370, -8.3000,  
7.2520

■ 0.0000, 0.0000,  
0.0000

■ 133.3360,  
-70.7470, 10.1250

■ 133.3360,  
-70.7470, 10.1250

■ 119.4150,  
-81.1550, 11.5250

■ 147.2570,  
-60.3390, 8.7250

■ 105.4940,  
-91.5630, 12.9250

■ 161.1780,  
-49.9310, 7.3250

■ 91.5730,  
-101.9710, 14.3250

■ 175.0990,  
-39.5230, 5.9250

■ 89.5020,  
-103.2090, 14.7350

■ 189.0200,  
-29.1150, 4.5250

■ 202.6420,  
-19.3030, 2.9130

■ 217.1500, -9.1700,  
0.9900

■ 231.0710, 1.2380,  
-0.4100

■ 244.9920, 11.6460,  
-1.8100

■ 252.0360, 8.3460,  
-8.0860

# Harmonies

## Analogous

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



117.8260, -114.0700, -14.2140



133.3360, -70.7470, 10.1250



146.8660, -12.9810, 31.5230

# Triad

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



133.3360, -70.7470, 10.1250



142.3970, 68.2660, 18.3300



123.3950, -45.1540, -40.7220

# Complementary

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



133.3360, -70.7470, 10.1250



167.6640, 70.7470, -10.1250

# 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.



134.1330, 5.5540, -34.5900



133.3360, -70.7470, 10.1250



140.9760, 61.3010, -4.1310

# Square

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



133.3360, -70.7470, 10.1250



144.4460, 58.5430, 34.8550



138.4210, 40.2140, -23.9620



113.7270, -92.8830, -40.2670



# Rectangle

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



133.3360, -70.7470, 10.1250



147.5940, 17.3240, 38.4760



138.4210, 40.2140, -23.9620



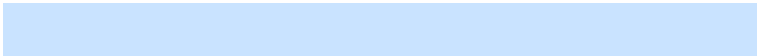
128.2140, -25.5310, -38.4190

# Sweetspot

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



133.3360, -70.7470, 10.1250



222.4180, -24.4840, 3.1960



173.3930, -69.1760, -56.9200



108.4530, -14.3970, 2.1070



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.



133.3360, -70.7470, 10.1250



127.9390, -94.3140, 13.2220



90.7950, -48.6090, 49.4630



107.8900, -5.5020, 0.5940



69.7140, -80.5590, 11.7370



19.9020, -22.9710, 3.3090



# Inverse Universe

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



127.3790, 69.8180, 56.2980



119.7770, 92.7850, 75.0970



210.2050, 48.6090, -49.4630



107.2720, 5.2260, 4.4100



63.0970, 79.7200, 64.0720

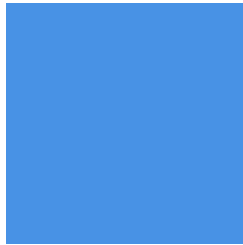


17.9850, 22.6920, 18.2760



# Previews

## White Background



This preview shows how the YIQ color 133.3360, -70.7470, 10.1250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

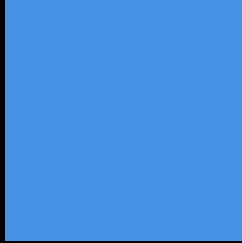
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.3360, -70.7470, 10.1250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

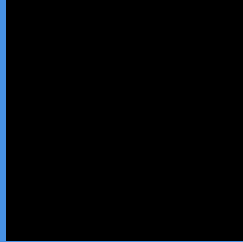
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 133.3360, -70.7470, 10.1250

## Background



This preview shows how black text looks on a background with the YIQ color 133.3360, -70.7470, 10.1250.



This preview shows how white text looks on a background with the YIQ color 133.3360, -70.7470,



# 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

133.3360, -70.7470, 10.1250

### Protanopia

140.7910, -43.9270, 19.6650

### Deuteranopia

137.3700, -58.9190, 16.0330



## Tritanopia

120.3130, -82.2490, -23.7290

# Trichromacy



## Original Color

133.3360, -70.7470, 10.1250

## Protanomaly

138.0070, -53.4630, 16.2730

## Deuteranomaly

135.8640, -63.3660, 14.0260

## Tritanomaly

125.1430, -78.3540, -11.7140

# Monochromacy



## Original Color

133.3360, -70.7470, 10.1250

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.3470, -25.7220, 3.6060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.3360, -70.7470, 10.1250 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(72, 146, 229)` looks like.

```
.text, #text, p{  
    color:rgb(72, 146, 229)  
}
```

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(72, 146, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 146, 229) }
```

## Border

The CSS property to change the border of an element to YIQ 133.3360, -70.7470, 10.1250 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(72, 146, 229) }
```



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

```
.border{ border-color:rgb(72, 146, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 146, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 146, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 146, 229);  
box-shadow:4px 4px 4px 4px rgb(72, 146,  
229) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.3360, -70.7470, 10.1250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 146, 229) }
```

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

```
.background{ background-color: rgb(72, 146,  
229) }
```

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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