

# Converting Colors

YIQ(126.9410, -70.2920,  
29.4200)

Have a look what the booklet for  
YIQ(126.9410, -70.2920, 29.4200)  
contains.

<b>YIQ(126.9410, -70.2920, 29.4200)</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(126.9410, -70.2920,  
29.4200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4E7FFF
RGB	78, 127, 255
RGB Percent	31%, 50%, 100%
CMY	0.6941, 0.5019, 0.0004
CMYK	0.69, 0.50, 0.00, 0.00
HSL	223°, 100%, 65%
HSV	223°, 69%, 100%
XYZ	28.7677, 24.0172, 97.6460
YIQ	126.9410, -70.2920, 29.4200

# Conversions

## Conversions Part 2

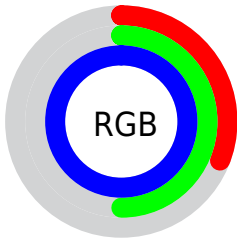
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 116, 255
Decimal	5144575
CIE <sub>Lab</sub>	56.11, 24.91, -68.55
CIE <sub>LCh</sub>	56, 72.934, 289.969
Yxy	24.0172, 0.1912, 0.1597
Android (android.graphics.Color)	4283334655 (0xFF4E7FFF)
YUV	126.9410, 63.1331, -42.9213
Hunter-Lab	49.0074, 19.0177, -83.8286

# Details

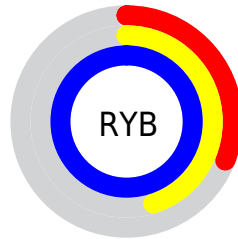
The YIQ color **126.9410, -70.2920, 29.4200** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **206.0590, 70.2920, -29.4200**, and the grayscale version is **126.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **177.4980, -44.6600, 16.4280**, and **68.8310, -84.9620, 19.9500** is the 20% darker color. If you saturate the color by 10%, you get **108.9000, -80.2420, 33.5340**, and if you desaturate by 10%, it is **144.9820, -60.3420, 25.3060**.

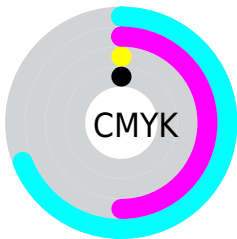
# Distribution



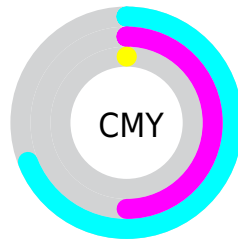
- Red (31%)
- Green (50%)
- Blue (100%)



- Red (31%)
- Yellow (45%)
- Blue (100%)



- Cyan (69%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (50%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 126.9410, -70.2920, 29.4200 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 126.9410, -70.2920, 29.4200 by changing the saturation by 10% instead.



■ 126.9410,  
-70.2920, 29.4200

■ 126.9410,  
-70.2920, 29.4200

■ 255.0000, -0.0000,  
-0.0000

■ 94.9070, -82.1200,  
23.5120

■ 177.4980,  
-44.6600, 16.4280

■ 68.8310, -84.9620,  
19.9500

■ 203.2030,  
-33.8840, 8.3560

■ 52.7250, -69.9240,  
22.7480

■ 228.9080,  
-23.1080, 0.2840

■ 37.9070, -55.7570,  
24.8110

■ 250.2160, -9.5360,  
-3.3920

■ 24.3770, -42.4610,  
26.1390

■ 14.3690, -30.8150,  
24.3290

■ 11.6330, -23.1110,

16.8650

■ 6.6630, -14.6280,  
11.8040

■ 2.9810, -7.0160,  
6.0080

■ 126.9410,  
-70.2920, 29.4200

■ 126.9410,  
-70.2920, 29.4200

■ 108.9000,  
-80.2420, 33.5340

■ 144.9820,  
-60.3420, 25.3060

■ 89.9730, -90.5130,  
37.9590

■ 163.9090,  
-50.0710, 20.8810

■ 71.9320,  
-100.4630, 42.0730

■ 181.9500,  
-40.1210, 16.7670

■ 70.7470,  
-101.3800, 42.1720

■ 200.8770,  
-29.8500, 12.3420

■ 218.9180,  
-19.9000, 8.2280

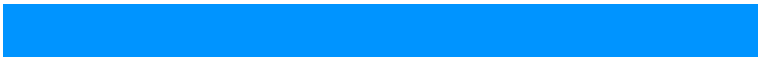
■ 237.8450, -9.6290,  
3.8030

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



115.9460, -122.5550, 1.9010



126.9410, -70.2920, 29.4200



137.3020, 15.9910, 57.1350

# Triad

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



126.9410, -70.2920, 29.4200



126.4320, 95.5480, 8.4760



107.0470, -79.5850, -49.9930

# Complementary

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



126.9410, -70.2920, 29.4200



206.0590, 70.2920, -29.4200

# 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.



102.8670, -44.5080, -63.4520



126.9410, -70.2920, 29.4200



126.6080, 73.1800, -26.6920

# Square

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



126.9410, -70.2920, 29.4200



122.8270, 97.3750, 46.9670



121.0060, 33.1120, -49.4480



115.7450, -101.3210, -30.5130



# Rectangle

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



126.9410, -70.2920, 29.4200



130.5320, 56.5660, 65.1900



121.0060, 33.1120, -49.4480



103.9520, -72.2480, -56.3120

# Sweetspot

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



126.9410, -70.2920, 29.4200



215.9610, -21.4590, 8.9490



196.3770, -89.4420, -53.0740



104.3440, -12.4720, 5.7680



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.



126.9410, -70.2920, 29.4200



101.8010, -84.2770, 35.0750



109.5400, -34.1690, 63.1030



118.2430, -4.9980, 2.4740



52.8850, -75.8860, 31.6820



17.8620, -25.4940, 10.4900



# Inverse Universe

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



136.5090, 89.7630, 52.7630



113.1140, 107.4130, 63.2930



223.4600, 34.1690, -63.1030



119.2290, 6.7850, 3.6890



63.1510, 96.8230, 56.9750



21.1880, 32.3660, 19.1660



# Previews

## White Background



This preview shows how the YIQ color 126.9410, -70.2920, 29.4200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

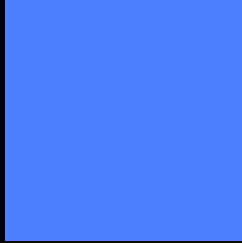
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 126.9410, -70.2920, 29.4200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

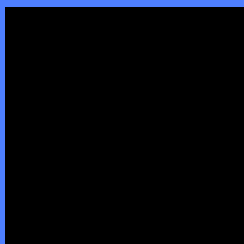
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

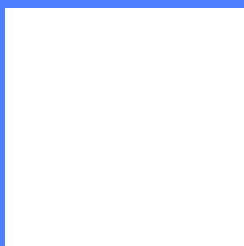
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 126.9410, -70.2920, 29.4200

## Background



This preview shows how black text looks on a background with the YIQ color 126.9410, -70.2920, 29.4200.



This preview shows how white text looks on a background with the YIQ color 126.9410, -70.2920,



# 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

126.9410, -70.2920, 29.4200

### Protanopia

123.6300, -79.7820, 25.1940

### Deuteranopia

107.0780, -114.1190, 3.2010



## Tritanopia

105.1160, -92.0600, -27.6440

# Trichromacy



## Original Color

126.9410, -70.2920, 29.4200

## Protanomaly

124.5380, -76.5270, 26.7770

## Deuteranomaly

114.3730, -98.5320, 12.5720

## Tritanomaly

112.7820, -84.4070, -6.6390

# Monochromacy



## Original Color

126.9410, -70.2920, 29.4200

## Achromatopsia

127.0000, -0.0000, -0.0000

## Achromatomaly

126.9760, -25.8150, 10.8010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 126.9410, -70.2920, 29.4200 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(78, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 127, 255)  
}
```

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(78, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 127, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 126.9410, -70.2920, 29.4200 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(78, 127, 255) }
```



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

```
.border{ border-color:rgb(78, 127, 255) }
```

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

Here you see how a box with a 4 pixel rgb(78, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 127,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 126.9410, -70.2920, 29.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 127, 255) }
```

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

```
.background{ background-color: rgb(78, 127,  
255) }
```

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