

# Converting Colors

YIQ(106.1970, -50.9420,  
20.1460)

Have a look what the booklet for  
YIQ(106.1970, -50.9420, 20.1460)  
contains.

<b>YIQ(106.1970, -50.9420, 20.1460)</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(106.1970, -50.9420,  
20.1460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	466BC5
RGB	70, 107, 197
RGB Percent	27%, 42%, 77%
CMY	0.7255, 0.5803, 0.2277
CMYK	0.64, 0.46, 0.00, 0.23
HSL	222°, 52%, 52%
HSV	223°, 64%, 77%
XYZ	17.8546, 15.8485, 54.8997
YIQ	106.1970, -50.9420, 20.1460

# Conversions

## Conversions Part 2

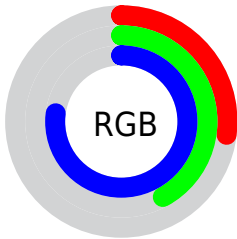
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 99, 197
Decimal	4615109
CIE <sub>Lab</sub>	46.78, 15.77, -50.95
CIE <sub>LCh</sub>	47, 53.337, 287.202
Yxy	15.8485, 0.2015, 0.1789
Android (android.graphics.Color)	4282805189 (0xFF466BC5)
YUV	106.1970, 44.7659, -31.7448
Hunter-Lab	39.8102, 10.3884, -53.8959

# Details

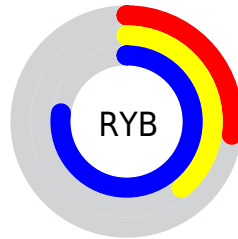
The YIQ color **106.1970, -50.9420, 20.1460** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **160.8030, 50.9420, -20.1460**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **160.5720, -47.5040, 23.9200**, and **51.4080, -62.0820, 12.7820** is the 20% darker color. If you saturate the color by 10%, you get **91.9990, -59.0120, 23.2280**, and if you desaturate by 10%, it is **120.3950, -42.8720, 17.0640**.

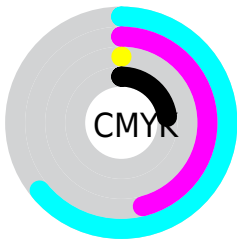
# Distribution



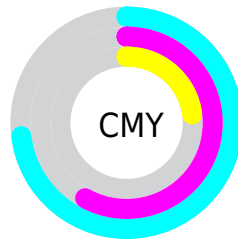
- Red (27%)
- Green (42%)
- Blue (77%)



- Red (27%)
- Yellow (39%)
- Blue (77%)



- Cyan (64%)
- Magenta (46%)
- Yellow (0%)
- Black (23%)



- Cyan (73%)
- Magenta (58%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 106.1970, -50.9420, 20.1460 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 106.1970, -50.9420, 20.1460 by changing the saturation by 10% instead.



■ 106.1970,  
-50.9420, 20.1460

■ 106.1970,  
-50.9420, 20.1460

■ 255.0000, -0.0000,  
-0.0000

■ 78.1530, -56.8100,  
16.3580

■ 160.5720,  
-47.5040, 23.9200

■ 51.9950, -62.3570,  
12.2590

■ 185.2060,  
-37.9660, 16.2580

■ 36.7040, -48.2360,  
15.1560

■ 209.7260,  
-28.1070, 8.2850

■ 22.7010, -34.9860,  
17.3180

■ 235.7190,  
-18.2020, -0.5220

■ 11.1600, -23.1570,  
17.6990

■ 252.9070, -4.1720,  
-1.4840

■ 6.7770, -14.9490,  
12.1150

■ 3.0950, -7.3370,

6.3190

■ 0.0000, 0.0000,  
0.0000

■ 106.1970,  
-50.9420, 20.1460

■ 106.1970,  
-50.9420, 20.1460

■ 91.9990, -59.0120,  
23.2280

■ 120.3950,  
-42.8720, 17.0640

■ 78.1000, -66.4860,  
26.5220

■ 134.2940,  
-35.3980, 13.7700

■ 63.9020, -74.5560,  
29.6040

■ 148.4920,  
-27.3280, 10.6880

■ 55.9170, -78.9120,  
31.4560

■ 162.6900,  
-19.2580, 7.6060

■ 176.5890,  
-11.7840, 4.3120

■ 190.7870, -3.7140,  
1.2300

■ 204.9850, 4.3560,  
-1.8520

■ 219.1830, 12.4260,  
-4.9340

■ 233.0820, 19.9000,  
-8.2280

# Harmonies

## Analogous

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



93.5990, -96.8330, -1.7050



106.1970, -50.9420, 20.1460



114.0320, 7.2830, 38.7310

# Triad

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



106.1970, -50.9420, 20.1460



107.1870, 68.4970, 8.6330



87.0430, -64.5940, -40.8340

# Complementary

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



106.1970, -50.9420, 20.1460



160.8030, 50.9420, -20.1460

# 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.



95.2380, -16.9110, -40.4550



106.1970, -50.9420, 20.1460



105.4510, 57.8650, -18.9590

# Square

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



106.1970, -50.9420, 20.1460



106.3560, 67.4840, 32.5080



101.6550, 30.2670, -36.4290



92.9880, -79.9560, -26.7400



# Rectangle

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



106.1970, -50.9420, 20.1460



111.9230, 35.5710, 43.6910



101.6550, 30.2670, -36.4290



84.1590, -59.2290, -44.4530

# Sweetspot

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



106.1970, -50.9420, 20.1460



220.6900, -19.2580, 7.6060



154.6950, -63.4940, -38.7420



106.7030, -12.1050, 4.6230



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.



106.1970, -50.9420, 20.1460



114.8030, -78.5910, 31.1450



91.9530, -25.8670, 44.7970



92.2000, -3.4390, 1.7530



46.7580, -65.5230, 25.5890



9.9740, -14.3060, 5.9660



# Inverse Universe

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



112.1910, 63.8150, 38.4310



124.1020, 98.5190, 59.2790



175.0470, 25.8670, -44.7970



92.9190, 4.7220, 2.5300



54.2090, 81.7400, 49.4840



11.9040, 18.2460, 10.7420



# Previews

## White Background



This preview shows how the YIQ color 106.1970, -50.9420, 20.1460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

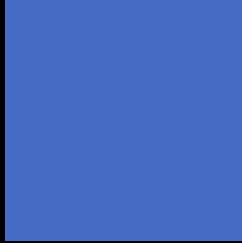
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 106.1970, -50.9420, 20.1460 looks on a black 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

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

# YIQ 106.1970, -50.9420, 20.1460

## Background



This preview shows how black text looks on a background with the YIQ color 106.1970, -50.9420, 20.1460.



This preview shows how white text looks on a background with the YIQ color 106.1970, -50.9420,



# 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

106.1970, -50.9420, 20.1460

### Protanopia

105.5990, -52.1340, 19.7220

### Deuteranopia

97.6560, -74.6440, 9.1640



## Tritanopia

95.9310, -57.4460, -16.1820

# Trichromacy



## Original Color

106.1970, -50.9420, 20.1460

## Protanomaly

105.8980, -51.5380, 19.9340

## Deuteranomaly

100.6680, -65.7500, 13.1780

## Tritanomaly

99.9180, -55.4310, -3.1350

# Monochromacy



## Original Color

106.1970, -50.9420, 20.1460

## Achromatopsia

106.0000, -0.0000, -0.0000

## Achromatomaly

105.8750, -18.3410, 7.5070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 106.1970, -50.9420, 20.1460 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(70, 107, 197)` looks like.

```
.text, #text, p{  
    color:rgb(70, 107, 197)  
}
```

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(70, 107, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 107, 197) }
```

## Border

The CSS property to change the border of an element to YIQ 106.1970, -50.9420, 20.1460 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(70, 107, 197) }
```



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

```
.border{ border-color:rgb(70, 107, 197) }
```

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

Here you see how a box with a 4 pixel rgb(70, 107, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 107, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 107, 197);  
box-shadow:4px 4px 4px 4px rgb(70, 107,  
197) }
```

# Background

The CSS property to change the background color of an element to YIQ 106.1970, -50.9420, 20.1460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 107, 197) }
```

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

```
.background{ background-color: rgb(70, 107,  
197) }
```

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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