

# Converting Colors

YIQ(122.4960, -42.3190, 1.5290)

Have a look what the booklet for  
YIQ(122.4960, -42.3190, 1.5290)  
contains.

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# Color

**YIQ(122.4960, -42.3190,  
1.5290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5385AC
RGB	83, 133, 172
RGB Percent	33%, 52%, 67%
CMY	0.6746, 0.4783, 0.3257
CMYK	0.52, 0.23, 0.00, 0.33
HSL	206°, 35%, 50%
HSV	206°, 52%, 67%
XYZ	19.3971, 21.5954, 42.1503
YIQ	122.4960, -42.3190, 1.5290

# Conversions

## Conversions Part 2

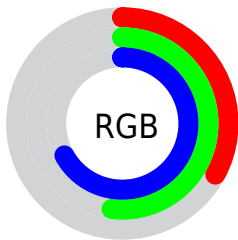
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 115, 172
Decimal	5473708
CIE <sub>Lab</sub>	53.60, -5.60, -25.77
CIE <sub>LCh</sub>	54, 26.372, 257.735
Yxy	21.5954, 0.2333, 0.2597
Android (android.graphics.Color)	4283663788 (0xFF5385AC)
YUV	122.4960, 24.4055, -34.6380
Hunter-Lab	46.4708, -6.8173, -21.2481

# Details

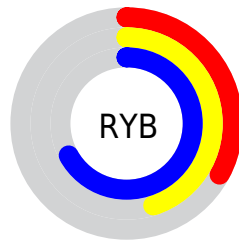
The YIQ color  $122.4960, -42.3190, 1.5290$  is a dark color, and the websafe version is hex  $6699CC$ . A complement of this color would be  $132.5040, 42.3190, -1.5290$ , and the grayscale version is  $122.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.4360, -42.0900, 2.8860$ , and  $69.8650, -47.9120, -1.7360$  is the 20% darker color. If you saturate the color by 10%, you get  $112.7170, -50.2510, 2.1090$ , and if you desaturate by 10%, it is  $132.2750, -34.3870, 0.9490$ .

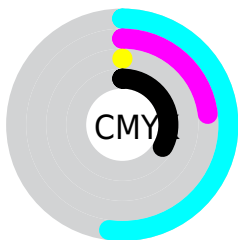
# Distribution



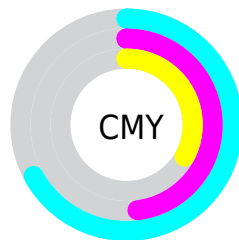
- Red (33%)
- Green (52%)
- Blue (67%)



- Red (33%)
- Yellow (45%)
- Blue (67%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (48%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.4960, -42.3190, 1.5290 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 122.4960, -42.3190, 1.5290 by changing the saturation by 10% instead.



■ 122.4960,  
-42.3190, 1.5290

■ 122.4960,  
-42.3190, 1.5290

■ 255.0000, -0.0000,  
-0.0000

■ 96.3710, -43.4650,  
0.2710

■ 176.3220,  
-41.7690, 2.5750

■ 69.7510, -47.5910,  
-2.0470

■ 204.0230,  
-42.3650, 2.3630

■ 46.6370, -47.2700,  
-2.3580

■ 229.1300,  
-32.7810, -6.1330

■ 30.9870, -33.5160,  
1.6840

■ 245.4320,  
-19.0720, -6.7840

■ 16.6250, -20.6330,  
4.9910

■ 254.1030, -1.7880,  
-0.6360

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,

0.0000

■ 122.4960,  
-42.3190, 1.5290

■ 122.4960,  
-42.3190, 1.5290

■ 112.7170,  
-50.2510, 2.1090

■ 132.2750,  
-34.3870, 0.9490

■ 103.5250,  
-58.4580, 2.1660

■ 141.4670,  
-26.1800, 0.8920

■ 93.4470, -66.9860,  
2.5340

■ 151.5450,  
-17.6520, 0.5240

■ 84.2550, -75.1930,  
2.5910

■ 160.7370, -9.4450,  
0.4670

■ 76.5470, -81.8870,  
2.7610

■ 170.5160, -1.5130,  
-0.1130

■ 179.7080, 6.6940,  
-0.1700

■ 189.4870, 14.6260,  
-0.7500

■ 198.9780, 23.4290,  
-0.5950

■ 208.7570, 31.3610,  
-1.1750

# Harmonies

## Analogous

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



115.8050, -56.8510, -10.4430



122.4960, -42.3190, 1.5290



128.7380, -19.2130, 12.2990

# Triad

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



122.4960, -42.3190, 1.5290



129.9940, 35.6680, 14.3880



122.5730, -6.8280, -19.4360

# Complementary

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



122.4960, -42.3190, 1.5290



132.5040, 42.3190, -1.5290

# 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.



125.3430, 14.4910, -14.8290



122.4960, -42.3190, 1.5290



129.1540, 37.7330, 4.4930

# Square

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



122.4960, -42.3190, 1.5290



131.4090, 24.4340, 19.7460



127.2250, 29.8030, -5.9810



118.6550, -30.4860, -20.1980



# Rectangle

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



122.4960, -42.3190, 1.5290



130.6970, -2.8000, 17.7120



127.2250, 29.8030, -5.9810



123.4060, 1.0120, -18.3480

# Sweetspot

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



122.4960, -42.3190, 1.5290



204.4310, -17.3310, 0.2130



139.6890, -36.9940, -34.4180



100.4380, -10.0410, 0.2550



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



122.4960, -42.3190, 1.5290



147.2190, -66.3440, 1.9120



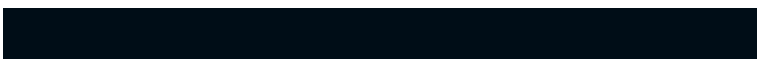
96.6680, -30.2190, 24.5410



81.9610, -4.2640, 0.1840



66.9950, -71.5250, 2.1950



10.2530, -10.9580, 0.3540



# Inverse Universe

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



115.3110, 36.9940, 34.4180



135.5670, 57.4850, 54.0370



158.3320, 30.2190, -24.5410



81.2610, 3.7590, 3.4630



54.5400, 62.1150, 58.2350



8.3590, 9.5350, 8.9190



# Previews

## White Background



This preview shows how the YIQ color 122.4960, -42.3190, 1.5290 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 122.4960, -42.3190, 1.5290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

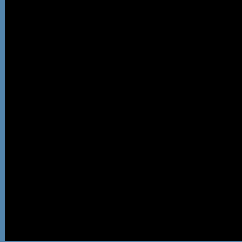
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.4960, -42.3190, 1.5290

## Background



This preview shows how black text looks on a background with the YIQ color 122.4960, -42.3190, 1.5290.



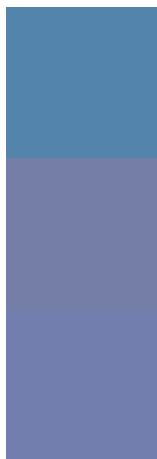
This preview shows how white text looks on a background with the YIQ color 122.4960, -42.3190,



# 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

122.4960, -42.3190, 1.5290

### Protanopia

127.9830, -18.5250, 10.8430

### Deuteranopia

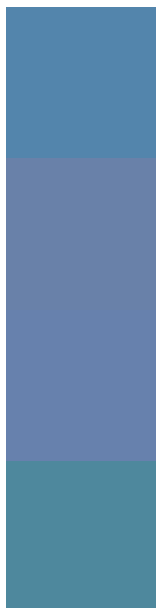
127.8840, -22.5600, 12.3840



## Tritanopia

119.7160, -40.4830, -9.7230

# Trichromacy



## Original Color

122.4960, -42.3190, 1.5290

## Protanomaly

126.3840, -27.1440, 7.3520

## Deuteranomaly

126.2420, -29.6200, 8.1720

## Tritanomaly

121.0520, -41.3090, -5.7650

# Monochromacy



## Original Color

122.4960, -42.3190, 1.5290

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.2140, -15.2220, 0.5380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.4960, -42.3190, 1.5290 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(83, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(83, 133, 172)  
}
```

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(83, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 133, 172) }
```

## Border

The CSS property to change the border of an element to YIQ 122.4960, -42.3190, 1.5290 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(83, 133, 172) }
```



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

```
.border{ border-color:rgb(83, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(83, 133,  
172) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.4960, -42.3190, 1.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 133, 172) }
```

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

```
.background{ background-color: rgb(83, 133,  
172) }
```

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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