

# Converting Colors

YIQ(122.0700, -57.7740,  
22.8180)

Have a look what the booklet for  
YIQ(122.0700, -57.7740, 22.8180)  
contains.

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# Color

**YIQ(122.0700, -57.7740,  
22.8180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	517BE1
RGB	81, 123, 225
RGB Percent	32%, 48%, 88%
CMY	0.6824, 0.5176, 0.1180
CMYK	0.64, 0.45, 0.00, 0.12
HSL	222°, 71%, 60%
HSV	222°, 64%, 88%
XYZ	24.0576, 21.3512, 74.0312
YIQ	122.0700, -57.7740, 22.8180

# Conversions

## Conversions Part 2

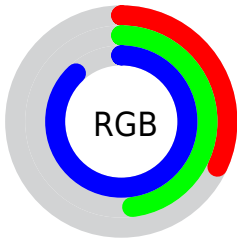
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 114, 225
Decimal	5340129
CIE Lab	53.33, 17.44, -56.33
CIE LCh	53, 58.966, 287.202
Yxy	21.3512, 0.2014, 0.1788
Android (android.graphics.Color)	4283530209 (0xFF517BE1)
YUV	122.0700, 50.7445, -36.0184
Hunter-Lab	46.2074, 12.0720, -62.6463

# Details

The YIQ color **122.0700, -57.7740, 22.8180** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **183.9300, 57.7740, -22.8180**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **174.5520, -44.7520, 18.0960**, and **63.2910, -74.8740, 13.3340** is the 20% darker color. If you saturate the color by 10%, you get **106.1000, -66.4860, 26.5220**, and if you desaturate by 10%, it is **138.0400, -49.0620, 19.1140**.

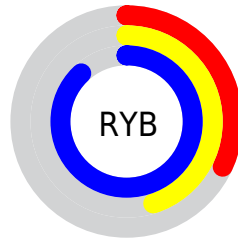
# Distribution



Red (32%)

Green (48%)

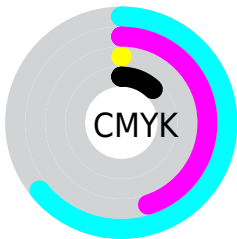
Blue (88%)



Red (32%)

Yellow (45%)

Blue (88%)

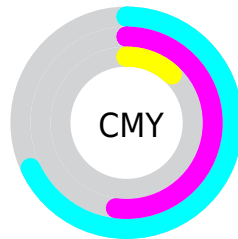


Cyan (64%)

Magenta (45%)

Yellow (0%)

Black (12%)



Cyan (68%)

Magenta (52%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.0700, -57.7740, 22.8180 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 122.0700, -57.7740, 22.8180 by changing the saturation by 10% instead.



■ 122.0700,  
-57.7740, 22.8180

■ 122.0700,  
-57.7740, 22.8180

■ 255.0000, -0.0000,  
-0.0000

■ 93.4390, -63.3670,  
19.5530

■ 174.5520,  
-44.7520, 18.0960

■ 63.2910, -74.8740,  
13.3340

■ 199.0720,  
-34.8930, 10.1230

■ 47.2990, -60.1570,  
16.4430

■ 224.4780,  
-24.7130, 1.8390

■ 32.5950, -46.3110,  
18.8170

■ 248.4220,  
-13.1120, -4.6640

■ 16.7170, -31.9150,  
22.2370

■ 11.6330, -23.1110,  
16.8650

■ 6.6630, -14.6280,

11.8040

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 122.0700,  
-57.7740, 22.8180

■ 122.0700,  
-57.7740, 22.8180

■ 106.1000,  
-66.4860, 26.5220

■ 138.0400,  
-49.0620, 19.1140

■ 89.8310, -75.7940,  
30.0140

■ 154.3090,  
-39.7540, 15.6220

■ 73.8610, -84.5060,  
33.7180

■ 170.2790,  
-31.0420, 11.9180

■ 64.3920, -90.3750,  
35.4570

■ 186.5480,  
-21.7340, 8.4260

■ 202.5180,  
-13.0220, 4.7220

■ 218.7870, -3.7140,  
1.2300

■ 234.1700, 5.2730,  
-1.9510

■ 248.6450, 11.0050,  
-6.7150

■ 251.5800, 9.6300,  
-9.3300

# Harmonies

## Analogous

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



107.4710, -111.0920, -2.1000



122.0700, -57.7740, 22.8180



130.7920, 8.1990, 44.1590

# Triad

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



122.0700, -57.7740, 22.8180



123.5040, 77.8500, 9.8340



99.7920, -74.3130, -46.4170

# Complementary

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



122.0700, -57.7740, 22.8180



183.9300, 57.7740, -22.8180

# 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.



109.4070, -19.0650, -45.4730



122.0700, -57.7740, 22.8180



120.8770, 65.2930, -21.4190

# Square

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



122.0700, -57.7740, 22.8180



122.3680, 76.3780, 36.5220



116.8310, 35.4030, -41.4050



106.4210, -91.6010, -30.4570



# Rectangle

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



122.0700, -57.7740, 22.8180



128.8360, 40.4300, 49.2460



116.8310, 35.4030, -41.4050



96.6800, -68.3060, -50.6580

# Sweetspot

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



122.0700, -57.7740, 22.8180



220.6900, -19.2580, 7.6060



177.0420, -72.0210, -43.9010



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.



122.0700, -57.7740, 22.8180



114.8030, -78.5910, 31.1450



106.0870, -28.9400, 50.9320



104.0150, -4.3560, 1.8520



50.0010, -70.5210, 28.0630



13.6900, -19.2580, 7.6060



# Inverse Universe

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



128.8440, 72.3420, 43.5900



124.1020, 98.5190, 59.2790



199.9130, 28.9400, -50.9320



104.6310, 5.5930, 3.2650



58.4380, 88.5250, 53.1730



15.9480, 24.1140, 14.5300



# Previews

## White Background



This preview shows how the YIQ color 122.0700, -57.7740, 22.8180 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 122.0700, -57.7740, 22.8180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

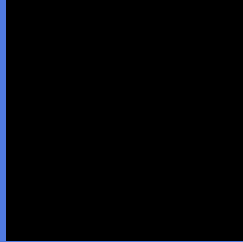
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 122.0700, -57.7740, 22.8180

## Background



This preview shows how black text looks on a background with the YIQ color 122.0700, -57.7740, 22.8180.



This preview shows how white text looks on a background with the YIQ color 122.0700, -57.7740,



# 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

122.0700, -57.7740, 22.8180

### Protanopia

121.4720, -58.9660, 22.3940

### Deuteranopia

113.5180, -82.9430, 10.8890



## Tritanopia

110.7560, -64.3230, -18.2030

# Trichromacy



## Original Color

122.0700, -57.7740, 22.8180

## Protanomaly

121.7710, -58.3700, 22.6060

## Deuteranomaly

116.8290, -73.4530, 15.1150

## Tritanomaly

115.0960, -61.8040, -3.2760

# Monochromacy



## Original Color

122.0700, -57.7740, 22.8180

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

121.7330, -20.8170, 8.3270

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.0700, -57.7740, 22.8180 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(81, 123, 225)` looks like.

```
.text, #text, p{  
    color:rgb(81, 123, 225)  
}
```

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(81, 123, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 123, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 122.0700, -57.7740, 22.8180 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(81, 123, 225) }
```



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

```
.border{ border-color:rgb(81, 123, 225) }
```

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

Here you see how a box with a 4 pixel rgb(81, 123, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 123, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 123, 225);  
box-shadow:4px 4px 4px 4px rgb(81, 123,  
225) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.0700, -57.7740, 22.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 123, 225) }
```

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

```
.background{ background-color: rgb(81, 123,  
225) }
```

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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