

# Converting Colors

YIQ(121.4570, -37.4150,  
11.7770)

Have a look what the booklet for  
YIQ(121.4570, -37.4150, 11.7770)  
contains.

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# Color

**YIQ(121.4570, -37.4150,  
11.7770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5D7CB7
RGB	93, 124, 183
RGB Percent	36%, 49%, 72%
CMY	0.6353, 0.5137, 0.2825
CMYK	0.49, 0.32, 0.00, 0.28
HSL	219°, 38%, 54%
HSV	219°, 49%, 72%
XYZ	20.2646, 20.1621, 47.5963
YIQ	121.4570, -37.4150, 11.7770

# Conversions

## Conversions Part 2

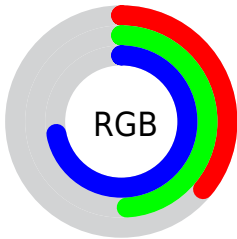
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	93, 116, 183
Decimal	6126775
CIE Lab	52.02, 5.51, -34.51
CIE LCh	52, 34.948, 279.074
Yxy	20.1621, 0.2302, 0.2291
Android (android.graphics.Color)	4284316855 (0xFF5D7CB7)
YUV	121.4570, 30.3407, -24.9568
Hunter-Lab	44.9022, 1.9792, -31.4158

# Details

The YIQ color **121.4570, -37.4150, 11.7770** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **154.5430, 37.4150, -11.7770**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.8100, -36.9110, 13.6570**, and **70.1960, -41.1740, 8.3140** is the 20% darker color. If you saturate the color by 10%, you get **109.0310, -44.8430, 14.2370**, and if you desaturate by 10%, it is **133.8830, -29.9870, 9.3170**.

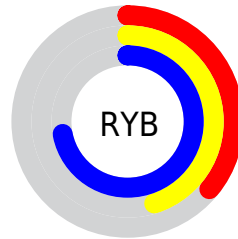
# Distribution



Red (36%)

Green (49%)

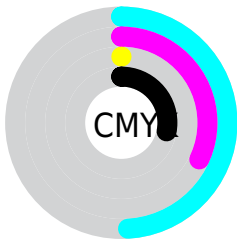
Blue (72%)



Red (36%)

Yellow (45%)

Blue (72%)

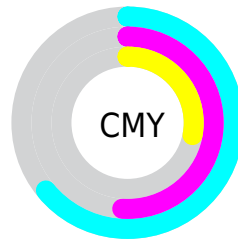


Cyan (49%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (64%)

Magenta (51%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.4570, -37.4150, 11.7770 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 121.4570, -37.4150, 11.7770 by changing the saturation by 10% instead.



■ 121.4570,  
-37.4150, 11.7770

■ 121.4570,  
-37.4150, 11.7770

■ 255.0000, -0.0000,  
-0.0000

■ 95.6310, -37.9650,  
10.7310

■ 174.8100,  
-36.9110, 13.6570

■ 70.1960, -41.1740,  
8.3140

■ 201.4420,  
-33.0590, 9.9250

■ 42.9670, -47.9590,  
4.6250

■ 226.2500,  
-24.0710, 1.2170

■ 27.9040, -34.4800,  
8.1440

■ 248.4220,  
-13.1120, -4.6640

■ 11.1940, -20.4970,  
13.5430

■ 5.0500, -11.4640,  
9.5280

■ 1.0260, -2.8890,

2.7990

■ 0.0000, 0.0000,  
0.0000

■ 121.4570,  
-37.4150, 11.7770

■ 121.4570,  
-37.4150, 11.7770

■ 109.0310,  
-44.8430, 14.2370

■ 133.8830,  
-29.9870, 9.3170

■ 96.3060, -52.8670,  
16.4850

■ 146.6080,  
-21.9630, 7.0690

■ 83.8800, -60.2950,  
18.9450

■ 159.0340,  
-14.5350, 4.6090

■ 71.4540, -67.7230,  
21.4050

■ 171.4600, -7.1070,  
2.1490

■ 59.0280, -75.1510,  
23.8650

■ 183.8860, 0.3210,  
-0.3110

■ 57.8430, -76.0680,  
23.9640

■ 196.6110, 8.3450,  
-2.5590

■ 209.0370, 15.7730,  
-5.0190

■ 221.4630, 23.2010,  
-7.4790

■ 233.2910, 29.4370,  
-10.3630

# Harmonies

## Analogous

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



104.1580, -82.7100, -9.8620



121.4570, -37.4150, 11.7770



127.3860, -3.1220, 23.5500

# Triad

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



121.4570, -37.4150, 11.7770



124.5900, 48.3690, 9.9770



111.1720, -33.7400, -27.3080

# Complementary

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



121.4570, -37.4150, 11.7770



154.5430, 37.4150, -11.7770

# 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.



117.2330, -0.1790, -24.2990



121.4570, -37.4150, 11.7770



123.0970, 41.9070, -5.0770

# Square

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



121.4570, -37.4150, 11.7770



126.0430, 43.1400, 22.1480



120.7370, 24.9450, -17.0630



97.2280, -80.8720, -32.1680



# Rectangle

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



121.4570, -37.4150, 11.7770



127.7320, 16.4550, 26.6870



120.7370, 24.9450, -17.0630



113.6310, -21.9110, -26.9270

# Sweetspot

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



121.4570, -37.4150, 11.7770



213.0340, -14.5350, 4.6090



152.4420, -43.3680, -29.0320



105.2040, -9.2620, 2.6580



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



121.4570, -37.4150, 11.7770



141.1360, -58.1400, 18.4360



107.1470, -21.1420, 30.7460



85.7870, -3.7140, 1.2300



49.4820, -64.9260, 20.2740



9.0620, -11.7380, 3.4780



# Inverse Universe

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



123.4440, 43.6890, 28.7210



144.3320, 68.0320, 44.6080



168.5540, 20.5460, -30.9580



86.0330, 4.4010, 2.8410



52.8000, 75.6420, 49.8660



9.5120, 13.4780, 9.0460



# Previews

## White Background



This preview shows how the YIQ color 121.4570, -37.4150, 11.7770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

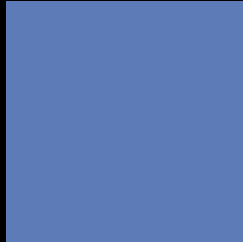
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 121.4570, -37.4150, 11.7770 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

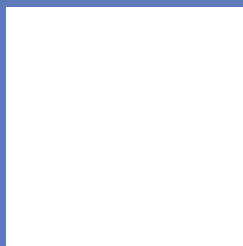
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 121.4570, -37.4150, 11.7770

## Background



This preview shows how black text looks on a background with the YIQ color 121.4570, -37.4150, 11.7770.



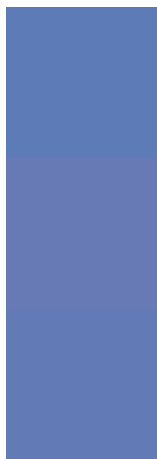
This preview shows how white text looks on a background with the YIQ color 121.4570, -37.4150,



# 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

121.4570, -37.4150, 11.7770

### Protanopia

123.3440, -29.6670, 14.5330

### Deuteranopia

122.3650, -34.1600, 13.3600



## Tritanopia

117.7060, -34.5230, -7.6030

# Trichromacy



## Original Color

121.4570, -37.4150, 11.7770

## Protanomaly

122.8490, -32.6470, 13.4730

## Deuteranomaly

121.7670, -35.3520, 12.9360

## Tritanomaly

119.1500, -35.5330, -0.3090

# Monochromacy



## Original Color

121.4570, -37.4150, 11.7770

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

121.2190, -13.6180, 4.5100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.4570, -37.4150, 11.7770 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(93, 124, 183)` looks like.

```
.text, #text, p{  
    color:rgb(93, 124, 183)  
}
```

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(93, 124, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 124, 183) }
```

## Border

The CSS property to change the border of an element to YIQ 121.4570, -37.4150, 11.7770 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(93, 124, 183) }
```



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

```
.border{ border-color:rgb(93, 124, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 124, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 124, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 124, 183);  
box-shadow:4px 4px 4px 4px rgb(93, 124,  
183) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.4570, -37.4150, 11.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 124, 183) }
```

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

```
.background{ background-color: rgb(93, 124,  
183) }
```

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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