

# Converting Colors

YIQ(109.8740, -50.9900,  
32.0340)

Have a look what the booklet for  
YIQ(109.8740, -50.9900, 32.0340)  
contains.

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# Color

**YIQ(109.8740, -50.9900,  
32.0340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5167DD
RGB	81, 103, 221
RGB Percent	32%, 40%, 87%
CMY	0.6823, 0.5960, 0.1336
CMYK	0.63, 0.53, 0.00, 0.13
HSL	231°, 67%, 59%
HSV	231°, 63%, 87%
XYZ	21.2862, 16.6684, 70.4497
YIQ	109.8740, -50.9900, 32.0340

# Conversions

## Conversions Part 2

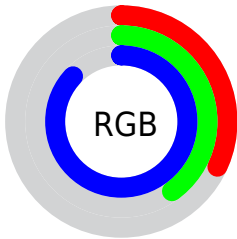
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 100, 221
Decimal	5335005
CIE <sub>Lab</sub>	47.84, 28.47, -62.91
CIE <sub>LCh</sub>	48, 69.056, 294.346
Yxy	16.6684, 0.1964, 0.1538
Android (android.graphics.Color)	4283525085 (0xFF5167DD)
YUV	109.8740, 54.7851, -25.3225
Hunter-Lab	40.8270, 21.6182, -73.7300

# Details

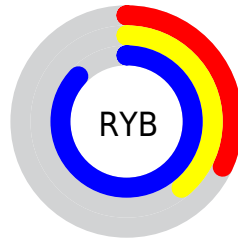
The YIQ color **109.8740, -50.9900, 32.0340** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **192.1260, 50.9900, -32.0340**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **162.2250, -38.9770, 29.0790**, and **52.2690, -68.6400, 21.5040** is the 20% darker color. If you saturate the color by 10%, you get **92.1430, -58.8770, 37.3070**, and if you desaturate by 10%, it is **127.6050, -43.1030, 26.7610**.

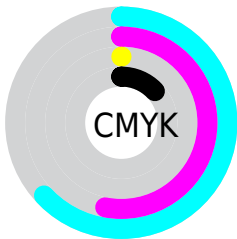
# Distribution



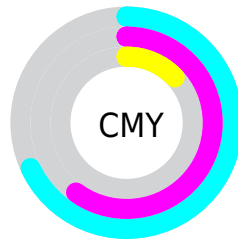
- Red (32%)
- Green (40%)
- Blue (87%)



- Red (32%)
- Yellow (39%)
- Blue (87%)



- Cyan (63%)
- Magenta (53%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (60%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.8740, -50.9900, 32.0340 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 109.8740, -50.9900, 32.0340 by changing the saturation by 10% instead.



■ 109.8740,  
-50.9900, 32.0340

■ 109.8740,  
-50.9900, 32.0340

■ 255.0000, -0.0000,  
-0.0000

■ 81.8300, -56.8580,  
28.2460

■ 162.2250,  
-38.9770, 29.0790

■ 52.2690, -68.6400,  
21.5040

■ 187.0440,  
-28.5220, 21.3180

■ 36.8640, -54.1980,  
24.0900

■ 211.8630,  
-18.0670, 13.5570

■ 23.3340, -40.9020,  
25.4180

■ 237.2690, -7.8870,  
5.2730

■ 9.9180, -27.9270,  
27.0570

■ 10.5900, -21.5520,  
16.1440

■ 6.2070, -13.3440,

10.5600

■ 2.5250, -5.7320,  
4.7640

■ 0.0000, 0.0000,  
0.0000

■ 109.8740,  
-50.9900, 32.0340

■ 109.8740,  
-50.9900, 32.0340

■ 92.1430, -58.8770,  
37.3070

■ 127.6050,  
-43.1030, 26.7610

■ 74.9990, -67.0390,  
42.0570

■ 144.7490,  
-34.9410, 22.0110

■ 57.2680, -74.9260,  
47.3300

■ 162.4800,  
-27.0540, 16.7380

■ 45.7390, -80.5660,  
50.4260

■ 179.6240,  
-18.8920, 11.9880

■ 197.3550,  
-11.0050, 6.7150

■ 215.3850, -2.5220,  
1.6540

■ 232.5290, 5.6400,  
-3.0960

■ 249.3630, 11.7390,  
-9.0050

■ 251.1240, 10.9140,  
-10.5740

# Harmonies

## Analogous

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



99.1220, -108.2510, 6.9890



109.8740, -50.9900, 32.0340



114.1410, 23.6940, 55.1980

# Triad

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



109.8740, -50.9900, 32.0340



104.7420, 88.4430, -0.4290



92.4060, -70.0500, -41.0740

# Complementary

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



109.8740, -50.9900, 32.0340



192.1260, 50.9900, -32.0340

# 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.



82.9900, -49.0480, -58.2640



109.8740, -50.9900, 32.0340



106.7620, 58.1870, -24.7970

# Square

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



109.8740, -50.9900, 32.0340



100.1310, 90.4070, 41.0870



100.2960, 20.7320, -45.3480



99.8330, -89.5850, -22.9370



# Rectangle

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



109.8740, -50.9900, 32.0340



105.5060, 59.4550, 62.3910



100.2960, 20.7320, -45.3480



89.5390, -63.3550, -46.7710

# Sweetspot

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



109.8740, -50.9900, 32.0340



216.5810, -17.3330, 11.2670



176.5180, -76.0570, -36.8330



104.3550, -11.0050, 6.7150



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.



109.8740, -50.9900, 32.0340



101.3130, -70.7990, 44.1210



111.0130, -16.9280, 53.5040



100.8410, -3.8060, 2.8980



35.5710, -62.9580, 39.6820



9.3530, -16.6910, 10.6450



# Inverse Universe

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



125.3680, 76.3780, 36.5220



122.5400, 105.6730, 50.7690



190.9870, 16.9280, -53.5040



102.4030, 6.2350, 2.6430



54.8050, 94.4410, 45.0730

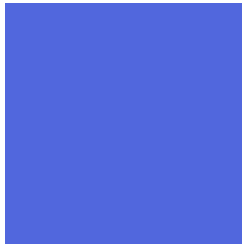


14.5520, 25.1690, 11.9290



# Previews

## White Background



This preview shows how the YIQ color 109.8740, -50.9900, 32.0340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

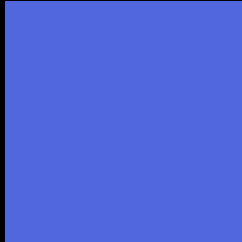
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 109.8740, -50.9900, 32.0340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

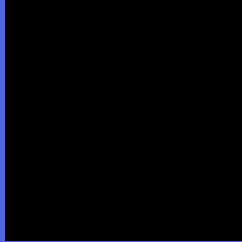
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 109.8740, -50.9900, 32.0340

## Background



This preview shows how black text looks on a background with the YIQ color 109.8740, -50.9900, 32.0340.



This preview shows how white text looks on a background with the YIQ color 109.8740, -50.9900,



# 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

109.8740, -50.9900, 32.0340

### Protanopia

98.5320, -85.5580, 19.7380

### Deuteranopia

90.4190, -96.1460, 2.3660



## Tritanopia

98.0340, -59.2340, -16.8180

# Trichromacy



## Original Color

109.8740, -50.9900, 32.0340

## Protanomaly

102.8110, -73.0420, 24.1900

## Deuteranomaly

97.5400, -80.0090, 12.7830

## Tritanomaly

102.2540, -56.2570, 0.8230

# Monochromacy



## Original Color

109.8740, -50.9900, 32.0340

## Achromatopsia

110.0000, 0.0000, 0.0000

## Achromatomaly

109.5100, -18.5710, 11.6770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.8740, -50.9900, 32.0340 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, 103, 221)` looks like.

```
.text, #text, p{  
    color:rgb(81, 103, 221)  
}
```

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, 103, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 103, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 109.8740, -50.9900, 32.0340 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, 103, 221) }
```



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

```
.border{ border-color:rgb(81, 103, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 103, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 103, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 103, 221);  
box-shadow:4px 4px 4px 4px rgb(81, 103,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 109.8740, -50.9900, 32.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 103, 221) }
```

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

```
.background{ background-color: rgb(81, 103,  
221) }
```

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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