

# Converting Colors

YIQ(168.3880, -32.9670, 8.2570)

Have a look what the booklet for  
YIQ(168.3880, -32.9670, 8.2570)  
contains.

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# Color

**YIQ(168.3880, -32.9670,  
8.2570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EACDB
RGB	142, 172, 219
RGB Percent	56%, 67%, 86%
CMY	0.4432, 0.3254, 0.1413
CMYK	0.35, 0.21, 0.00, 0.14
HSL	217°, 52%, 71%
HSV	217°, 35%, 86%
XYZ	38.6890, 40.3720, 72.7418
YIQ	168.3880, -32.9670, 8.2570

# Conversions

## Conversions Part 2

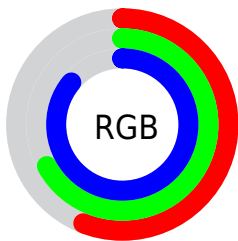
Format	Color
<b>RYB</b>	142, 164, 219
Decimal	9350363
CIELab	69.73, 1.01, -27.02
CIElCh	70, 27.041, 272.148
Yxy	40.3720, 0.2549, 0.2660
Android (android.graphics.Color)	4287540443 (0xFF8EACDB)
YUV	168.3880, 24.9517, -23.1423
Hunter-Lab	63.5389, -2.5041, -23.4002

# Details

The YIQ color **168.3880, -32.9670, 8.2570** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **192.6120, 32.9670, -8.2570**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **221.5210, -26.2720, 2.5600**, and **115.7470, -32.6000, 7.1120** is the 20% darker color. If you saturate the color by 10%, you get **154.1790, -42.5040, 10.3920**, and if you desaturate by 10%, it is **182.5970, -23.4300, 6.1220**.

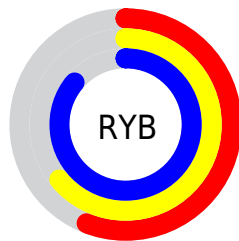
# Distribution



Red (56%)

Green (67%)

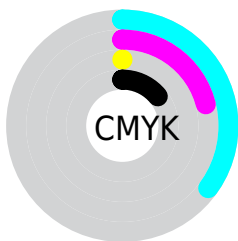
Blue (86%)



Red (56%)

Yellow (64%)

Blue (86%)

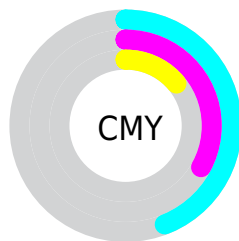


Cyan (35%)

Magenta (21%)

Yellow (0%)

Black (14%)



Cyan (44%)

Magenta (33%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.3880, -32.9670, 8.2570 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 168.3880, -32.9670, 8.2570 by changing the saturation by 10% instead.



■ 168.3880,  
-32.9670, 8.2570

■ 168.3880,  
-32.9670, 8.2570

■ 255.0000, -0.0000,  
-0.0000

■ 141.8610,  
-32.9210, 7.4230

■ 221.5210,  
-26.2720, 2.5600

■ 115.7470,  
-32.6000, 7.1120

■ 246.3290,  
-17.2840, -6.1480

■ 89.9210, -33.1500,  
6.0660

■ 65.4970, -34.8920,  
4.5960

■ 39.2680, -41.6770,  
0.9070

■ 24.3190, -28.5190,  
4.7370

■ 6.5490, -14.3070,

11.4930

■ 2.8670, -6.6950,  
5.6970

■ 0.0000, 0.0000,  
0.0000

■ 168.3880,  
-32.9670, 8.2570

■ 168.3880,  
-32.9670, 8.2570

■ 154.1790,  
-42.5040, 10.3920

■ 182.5970,  
-23.4300, 6.1220

■ 139.3830,  
-51.7660, 13.0500

■ 197.3930,  
-14.1680, 3.4640

■ 125.1740,  
-61.3030, 15.1850

■ 211.6020, -4.6310,  
1.3290

■ 110.9650,  
-70.8400, 17.3200

■ 225.8110, 4.9060,  
-0.8060

■ 96.4680, -79.5060,  
20.1900

■ 240.3080, 13.5720,  
-3.6760

■ 82.2590, -89.0430,  
22.3250

■ 249.1350, 12.3810,  
-9.6270

■ 74.8610, -93.6740,  
23.6540

■ 250.8960, 11.5560,  
-11.1960

# Harmonies

## Analogous

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



162.2450, -52.0380, -4.0540



168.3880, -32.9670, 8.2570



172.4730, -7.9810, 17.9950

# Triad

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



168.3880, -32.9670, 8.2570



172.4090, 41.6290, 10.9810



163.0600, -18.5650, -21.4850

# Complementary

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



168.3880, -32.9670, 8.2570



192.6120, 32.9670, -8.2570

# 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.



166.3310, 5.5970, -18.8430



168.3880, -32.9670, 8.2570



170.9920, 38.0090, -0.5110

# Square

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



168.3880, -32.9670, 8.2570



173.6720, 33.8790, 19.2790



168.6110, 25.5400, -11.3240



159.4950, -41.7190, -20.3670



# Rectangle

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



168.3880, -32.9670, 8.2570



174.2640, 8.8450, 21.4290



168.6110, 25.5400, -11.3240



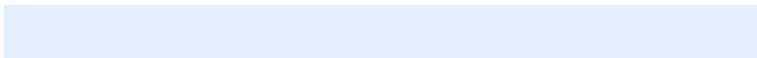
163.7790, -10.4040, -20.7080

# Sweetspot

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



168.3880, -32.9670, 8.2570



236.6490, -12.0130, 2.9550



192.4430, -35.9410, -25.9650



116.4600, -7.1070, 2.1490



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.



168.3880, -32.9670, 8.2570



184.8520, -45.8970, 11.3110



153.1700, -19.9490, 25.6430



102.6020, -4.6310, 1.3290



59.6380, -74.2330, 18.2390



15.8100, -19.7160, 4.8920



# Inverse Universe

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



168.4430, 36.2620, 25.6540



184.7810, 50.2900, 35.7460



207.8300, 19.9490, -25.6430



102.7450, 5.2720, 3.5760



59.4790, 81.2800, 57.8240

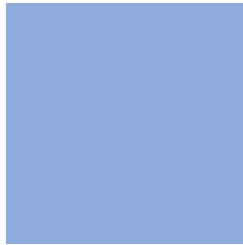


15.8060, 21.6380, 15.3500



# Previews

## White Background



This preview shows how the YIQ color 168.3880, -32.9670, 8.2570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

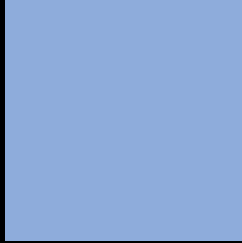
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 168.3880, -32.9670, 8.2570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

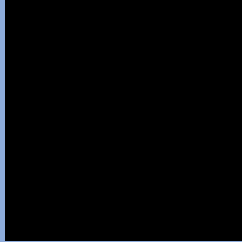
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

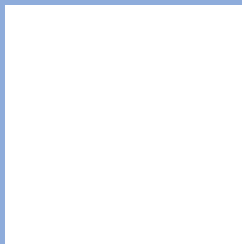
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 168.3880, -32.9670, 8.2570**

## **Background**



This preview shows how black text looks on a background with the YIQ color 168.3880, -32.9670, 8.2570.



This preview shows how white text looks on a background with the YIQ color 168.3880, -32.9670,



# 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

168.3880, -32.9670, 8.2570

### Protanopia

170.4820, -21.3680, 12.8080

### Deuteranopia

170.9490, -21.1850, 14.9990



## Tritanopia

166.0380, -29.5260, -4.5500

# Trichromacy



## Original Color

168.3880, -32.9670, 8.2570

## Protanomaly

169.3890, -25.5400, 11.3240

## Deuteranomaly

170.0300, -25.9070, 12.4690

## Tritanomaly

166.9010, -30.3980, 0.2420

# Monochromacy



## Original Color

168.3880, -32.9670, 8.2570

## Achromatopsia

168.0000, -0.0000, -0.0000

## Achromatomaly

168.0620, -11.7380, 3.4780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.3880, -32.9670, 8.2570 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(142, 172, 219)` looks like.

```
.text, #text, p{  
    color:rgb(142, 172, 219)  
}
```

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(142, 172, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 172, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 168.3880, -32.9670, 8.2570 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(142, 172, 219) }
```



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

```
.border{ border-color:rgb(142, 172, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 172, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 172, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 172, 219); box-shadow:4px 4px 4px 4px rgb(142, 172, 219) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.3880, -32.9670, 8.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 172, 219) }
```

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

```
.background{ background-color: rgb(142,  
172, 219) }
```

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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