

# Converting Colors

YIQ(89.8860, -16.8740, 8.4540)

Have a look what the booklet for  
YIQ(89.8860, -16.8740, 8.4540)  
contains.

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# Color

**YIQ(89.8860, -16.8740,  
8.4540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F597B
RGB	79, 89, 123
RGB Percent	31%, 35%, 48%
CMY	0.6902, 0.6510, 0.5177
CMYK	0.36, 0.28, 0.00, 0.52
HSL	226°, 22%, 40%
HSV	226°, 36%, 48%
XYZ	10.3708, 10.2372, 20.1605
YIQ	89.8860, -16.8740, 8.4540

# Conversions

## Conversions Part 2

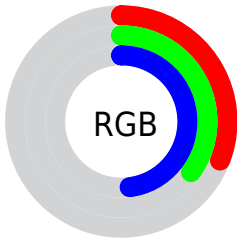
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	79, 87, 123
Decimal	5200251
CIE Lab	38.26, 5.02, -20.43
CIE LCh	38, 21.041, 283.816
Yxy	10.2372, 0.2544, 0.2511
Android (android.graphics.Color)	4283390331 (0xFF4F597B)
YUV	89.8860, 16.3252, -9.5470
Hunter-Lab	31.9956, 1.8653, -14.9618

# Details

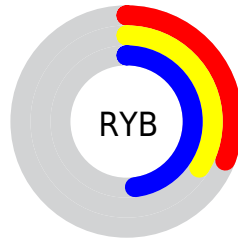
The YIQ color **89.8860, -16.8740, 8.4540** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **112.1140, 16.8740, -8.4540**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.5270, -17.2410, 9.5990**, and **43.5330, -17.3780, 6.5740** is the 20% darker color. If you saturate the color by 10%, you get **81.0150, -21.5510, 10.6170**, and if you desaturate by 10%, it is **99.3440, -12.4720, 5.7680**.

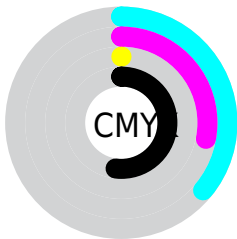
# Distribution



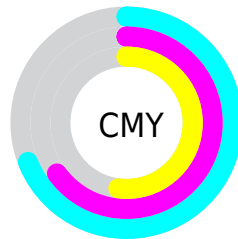
- Red (31%)
- Green (35%)
- Blue (48%)



- Red (31%)
- Yellow (34%)
- Blue (48%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (52%)



- Cyan (69%)
- Magenta (65%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.8860, -16.8740, 8.4540 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 89.8860, -16.8740, 8.4540 by changing the saturation by 10% instead.



■ 89.8860, -16.8740,  
8.4540

■ 89.8860, -16.8740,  
8.4540

■ 255.0000, -0.0000,  
-0.0000

■ 66.3590, -16.8280,  
7.6200

■ 140.5270,  
-17.2410, 9.5990

■ 43.5330, -17.3780,  
6.5740

■ 166.6410,  
-17.5620, 9.9100

■ 21.4080, -18.5240,  
5.3160

■ 193.7550,  
-17.8830, 10.2210

■ 4.5940, -10.1800,  
8.2840

■ 221.2990,  
-16.5990, 8.9770

■ 0.0000, 0.0000,  
0.0000

■ 246.9930, -7.2900,  
-0.0420

■ 89.8860, -16.8740,  
8.4540

■ 89.8860, -16.8740,  
8.4540

■ 81.0150, -21.5510,  
10.6170

■ 99.3440, -12.4720,  
5.7680

■ 71.2580, -26.5490,  
13.0910

■ 108.5140, -7.1990,  
3.8170

■ 62.3870, -31.2260,  
15.2540

■ 117.9720, -2.7970,  
1.1310

■ 52.9290, -35.6280,  
17.9400

■ 126.8430, 1.8800,  
-1.0320

■ 44.0580, -40.3050,  
20.1030

■ 136.3010, 6.2820,  
-3.7180

■ 34.3010, -45.3030,  
22.5770

■ 145.4710, 11.5550,  
-5.6690

■ 30.4580, -47.1830,  
23.6090

■ 154.9290, 15.9570,  
-8.3550

■ 163.8000, 20.6340,

-10.5180

■ 173.5570, 25.6320,  
-12.9920

# Harmonies

## Analogous

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



84.6340, -34.0200, -0.1960



89.8860, -16.8740, 8.4540



92.3290, 1.0520, 13.9800

# Triad

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



89.8860, -16.8740, 8.4540



90.7770, 28.6090, 4.6490



83.3790, -20.7210, -15.4490

# Complementary

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



89.8860, -16.8740, 8.4540



112.1140, 16.8740, -8.4540

# 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.



86.1870, -2.5650, -14.0930



89.8860, -16.8740, 8.4540



89.9840, 23.2920, -3.6200

# Square

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



89.8860, -16.8740, 8.4540



91.7370, 26.0860, 11.8300



88.6080, 12.4270, -10.4610



80.0490, -37.2270, -13.6670



# Rectangle

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



89.8860, -16.8740, 8.4540



92.4290, 12.5140, 15.5060



88.6080, 12.4270, -10.4610



84.3150, -14.6690, -14.9970

# Sweetspot

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



89.8860, -16.8740, 8.4540



147.4000, -6.8780, 3.5060



108.7040, -23.0140, -12.4380



73.4280, -4.0810, 2.3750



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



89.8860, -16.8740, 8.4540



108.6710, -26.2740, 13.6140



87.6040, -6.9720, 16.2280



56.2710, -2.2010, 1.3430



30.6860, -47.8250, 24.2310



62.1870, -96.5670, 48.5610



# Inverse Universe

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



93.2960, 23.0140, 12.4380



114.3410, 36.3090, 19.2930



114.3960, 6.9720, -16.2280



56.9080, 3.2550, 1.5830



40.5670, 65.5120, 35.2080



81.8460, 131.8950, 71.1510



# Previews

## White Background



This preview shows how the YIQ color 89.8860, -16.8740, 8.4540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

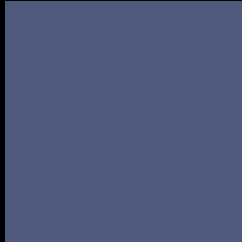
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 89.8860, -16.8740, 8.4540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

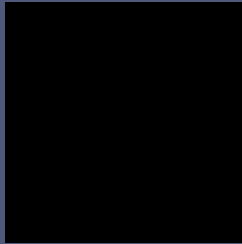
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 89.8860, -16.8740, 8.4540**

## **Background**



This preview shows how black text looks on a background with the YIQ color 89.8860, -16.8740, 8.4540.



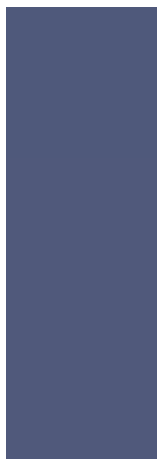
This preview shows how white text looks on a background with the YIQ color 89.8860, -16.8740,



# 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

89.8860, -16.8740, 8.4540

### Protanopia

90.1850, -16.2780, 8.6660

### Deuteranopia

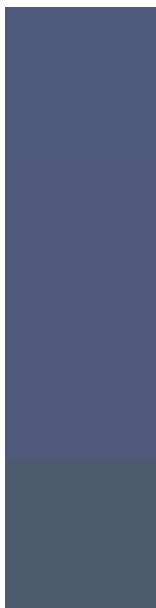
90.1850, -16.2780, 8.6660



**Tritanopia**

88.2310, -13.8920, -1.5400

# Trichromacy



## Original Color

89.8860, -16.8740, 8.4540

## Protanomaly

90.1850, -16.2780, 8.6660

## Deuteranomaly

90.1850, -16.2780, 8.6660

## Tritanomaly

89.1540, -14.9930, 1.8950

# Monochromacy



## Original Color

89.8860, -16.8740, 8.4540

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

90.1720, -6.2360, 2.8840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.8860, -16.8740, 8.4540 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(79, 89, 123)` looks like.

```
.text, #text, p{  
    color:rgb(79, 89, 123)  
}
```

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(79, 89, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 89, 123) }
```

## Border

The CSS property to change the border of an element to YIQ 89.8860, -16.8740, 8.4540 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(79, 89, 123) }
```



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

```
.border{ border-color:rgb(79, 89, 123) }
```

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

Here you see how a box with a 4 pixel rgb(79, 89, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 89, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 89, 123);  
box-shadow:4px 4px 4px 4px rgb(79, 89,  
123) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.8860, -16.8740, 8.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 89, 123) }
```

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

```
.background{ background-color: rgb(79, 89,  
123) }
```

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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