

# Converting Colors

YIQ(88.8180, -4.9990, 8.0010)

Have a look what the booklet for  
YIQ(88.8180, -4.9990, 8.0010)  
contains.

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# Color

**YIQ(88.8180, -4.9990,  
8.0010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59556C
RGB	89, 85, 108
RGB Percent	35%, 33%, 42%
CMY	0.6510, 0.6667, 0.5765
CMYK	0.18, 0.21, 0.00, 0.58
HSL	250°, 12%, 38%
HSV	250°, 21%, 42%
XYZ	10.0750, 9.7034, 15.5266
YIQ	88.8180, -4.9990, 8.0010

# Conversions

## Conversions Part 2

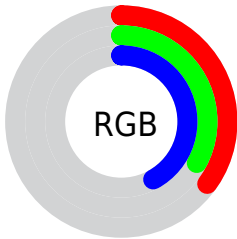
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 85, 108
Decimal	5854572
CIE Lab	37.30, 6.87, -12.58
CIE LCh	37, 14.337, 298.631
Yxy	9.7034, 0.2854, 0.2748
Android (android.graphics.Color)	4284044652 (0xFF59556C)
YUV	88.8180, 9.4567, 0.1596
Hunter-Lab	31.1503, 3.2199, -7.7474

# Details

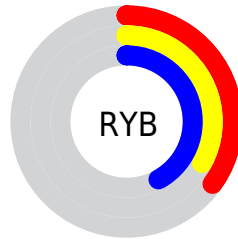
The YIQ color **88.8180, -4.9990, 8.0010** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **104.1820, 4.9990, -8.0010**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.9320, -5.3200, 8.3120**, and **43.2910, -4.9530, 7.1670** is the 20% darker color. If you saturate the color by 10%, you get **79.6700, -7.3380, 11.8460**, and if you desaturate by 10%, it is **97.9660, -2.6600, 4.1560**.

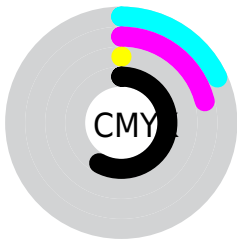
# Distribution



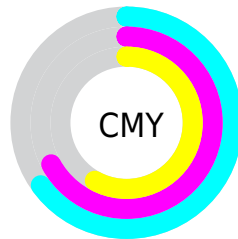
- Red (35%)
- Green (33%)
- Blue (42%)



- Red (35%)
- Yellow (33%)
- Blue (42%)



- Cyan (18%)
- Magenta (21%)
- Yellow (0%)
- Black (58%)



- Cyan (65%)
- Magenta (67%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 88.8180, -4.9990, 8.0010 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 88.8180, -4.9990, 8.0010 by changing the saturation by 10% instead.



■ 88.8180, -4.9990,  
8.0010

■ 88.8180, -4.9990,  
8.0010

■ 255.0000, -0.0000,  
-0.0000

■ 65.4050, -5.2740,  
7.4780

■ 138.9320, -5.3200,  
8.3120

■ 43.2910, -4.9530,  
7.1670

■ 165.3450, -5.0450,  
8.8350

■ 22.7640, -4.9070,  
6.3330

■ 192.4590, -5.3660,  
9.1460

■ 2.6390, -6.0530,  
5.0750

■ 219.9860, -5.4120,  
9.9800

■ 0.0000, 0.0000,  
0.0000

■ 246.7490, -0.5510,  
4.4810

■ 88.8180, -4.9990,  
8.0010

■ 88.8180, -4.9990,  
8.0010

■ 79.6700, -7.3380,  
11.8460

■ 97.9660, -2.6600,  
4.1560

■ 70.5220, -9.6770,  
15.6910

■ 107.1140, -0.3210,  
0.3110

■ 61.9610, -12.2910,  
19.0130

■ 115.6750, 2.2930,  
-3.0110

■ 52.8130, -14.6300,  
22.8580

■ 124.8230, 4.6320,  
-6.8560

■ 43.6650, -16.9690,  
26.7030

■ 133.9710, 6.9710,  
-10.7010

■ 34.8160, -18.7120,  
30.7600

■ 143.1190, 9.3100,  
-14.5460

■ 25.6680, -21.0510,  
34.6050

■ 151.9680, 11.0530,  
-18.6030

■ 17.9930, -23.3440,

■ 160.5290, 13.6670,

37.6160

-21.9250

■ 169.6770, 16.0060,  
-25.7700

# Harmonies

## Analogous

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



86.7240, -16.5980, 3.4500



88.8180, -4.9990, 8.0010



89.4450, 6.4170, 10.3610

# Triad

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



88.8180, -4.9990, 8.0010



88.1670, 18.5230, 0.2110



83.0360, -18.0170, -9.3850

# Complementary

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



88.8180, -4.9990, 8.0010



104.1820, 4.9990, -8.0010

# 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.



84.3700, -7.3340, -10.2620



88.8180, -4.9990, 8.0010



87.4820, 13.0220, -4.7220

# Square

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



88.8180, -4.9990, 8.0010



88.9270, 19.4390, 5.6390



85.8830, 4.4030, -8.2130



82.7950, -24.5280, -7.0240



# Rectangle

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



88.8180, -4.9990, 8.0010



89.8540, 12.5150, 9.9790



85.8830, 4.4030, -8.2130



83.4770, -14.9450, -9.9930

# Sweetspot

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



88.8180, -4.9990, 8.0010



133.2110, -1.9720, 2.7000



98.7750, -12.6080, -2.7840



66.8690, -1.0090, 1.7670



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



88.8180, -4.9990, 8.0010



109.8980, -7.9800, 12.4680



92.1070, 1.5570, 10.3330



48.9830, -1.3300, 2.0780



19.3180, -25.6370, 40.6270



40.7870, -53.0170, 85.3110



# Inverse Universe

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



94.0430, 7.6090, 10.7850



118.1840, 11.8260, 16.9620



100.8930, -1.5570, -10.3330



50.3640, 1.9710, 2.8270



46.0410, 38.5950, 54.9710



96.2830, 81.1780, 114.7620



# Previews

## White Background



This preview shows how the YIQ color 88.8180, -4.9990, 8.0010 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 88.8180, -4.9990, 8.0010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

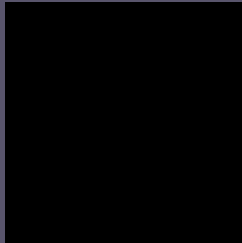
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 88.8180, -4.9990, 8.0010**

## **Background**



This preview shows how black text looks on a background with the YIQ color 88.8180, -4.9990, 8.0010.



This preview shows how white text looks on a background with the YIQ color 88.8180, -4.9990,



# 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

88.8180, -4.9990, 8.0010

### Protanopia

88.0130, -10.0420, 5.7820

### Deuteranopia

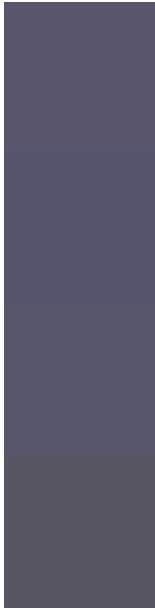
88.5080, -7.0620, 6.8420



## Tritanopia

87.7980, -2.2470, 2.1770

# Trichromacy



## Original Color

88.8180, -4.9990, 8.0010

## Protanomaly

88.3230, -7.9790, 6.9410

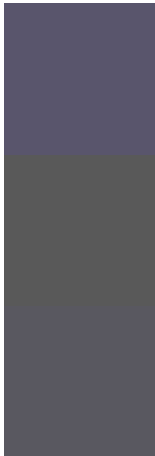
## Deuteranomaly

88.8070, -6.4660, 7.0540

## Tritanomaly

88.0800, -2.9810, 4.4670

# Monochromacy



## Original Color

88.8180, -4.9990, 8.0010

## Achromatopsia

89.0000, -0.0000, -0.0000

## Achromatomaly

89.2110, -1.9720, 2.7000

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 88.8180, -4.9990, 8.0010 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(89, 85, 108)` looks like.

```
.text, #text, p{  
    color:rgb(89, 85, 108)  
}
```

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(89, 85, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 85, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 88.8180, -4.9990, 8.0010 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(89, 85, 108) }
```



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

```
.border{ border-color:rgb(89, 85, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 85, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 85, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 85, 108);  
box-shadow:4px 4px 4px 4px rgb(89, 85,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 88.8180, -4.9990, 8.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 85, 108) }
```

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

```
.background{ background-color: rgb(89, 85,  
108) }
```

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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