

# Converting Colors

YIQ(81.3780, -0.6440, 11.6760)

Have a look what the booklet for  
YIQ(81.3780, -0.6440, 11.6760)  
contains.

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# Color

**YIQ(81.3780, -0.6440,  
11.6760)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 584A66                    |
| RGB           | 88, 74, 102               |
| RGB Percent   | 35%, 29%, 40%             |
| CMY           | 0.6548, 0.7098, 0.6000    |
| CMYK          | 0.14, 0.27, 0.00, 0.60    |
| HSL           | 270°, 16%, 35%            |
| HSV           | 270°, 27%, 40%            |
| XYZ           | 8.8721, 7.9313, 13.6321   |
| YIQ           | 81.3780, -0.6440, 11.6760 |

# Conversions

## Conversions Part 2

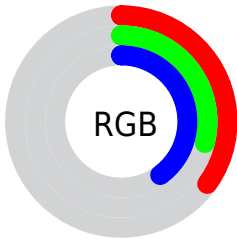
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 88, 74, 102                 |
| Decimal                             | 5786214                     |
| CIE <sub>Lab</sub>                  | 33.84, 11.99, -14.12        |
| CIE <sub>LCh</sub>                  | 34, 18.524, 310.323         |
| Yxy                                 | 7.9313, 0.2915,<br>0.2606   |
| Android<br>(android.graphics.Color) | 4283976294<br>(0xFF584A66)  |
| YUV                                 | 81.3780, 10.1666,<br>5.8075 |
| Hunter-Lab                          | 28.1626, 6.9485,<br>-8.9854 |

# Details

The YIQ color **81.3780, -0.6440, 11.6760** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **94.6220, 0.6440, -11.6760**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.9050, -0.6900, 12.5100**, and **36.4380, -0.8730, 10.3190** is the 20% darker color. If you saturate the color by 10%, you get **74.0130, -0.8740, 15.8460**, and if you desaturate by 10%, it is **88.7430, -0.4140, 7.5060**.

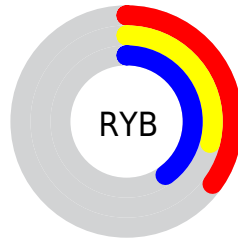
# Distribution



 Red (35%)

 Green (29%)

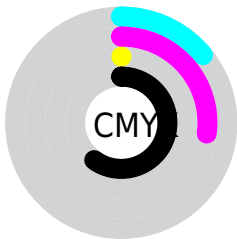
 Blue (40%)



 Red (35%)

 Yellow (29%)

 Blue (40%)

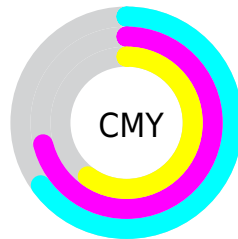


 Cyan (14%)

 Magenta (27%)

 Yellow (0%)

 Black (60%)



 Cyan (65%)

 Magenta (71%)

 Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 81.3780, -0.6440, 11.6760 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 81.3780, -0.6440, 11.6760 by changing the saturation by 10% instead.



81.3780, -0.6440,  
11.6760

81.3780, -0.6440,  
11.6760

255.0000, -0.0000,  
-0.0000

57.9650, -0.9190,  
11.1530

130.9050, -0.6900,  
12.5100

36.4380, -0.8730,  
10.3190

157.3180, -0.4150,  
13.0330

14.2750, 1.1440,  
12.3120

183.7310, -0.1400,  
13.5560

1.0260, -2.8890,  
2.7990

211.8450, -0.4610,  
13.8670

0.0000, 0.0000,  
0.0000

238.8190, 2.4280,  
11.0680

81.3780, -0.6440,  
11.6760

81.3780, -0.6440,  
11.6760

74.0130, -0.8740,  
15.8460

88.7430, -0.4140,  
7.5060

66.6480, -1.1040,  
20.0160

96.1080, -0.1840,  
3.3360

58.6960, -1.0590,  
24.7090

104.0600, -0.2290,  
-1.3570

51.3310, -1.2890,  
28.8790

111.4250, 0.0010,  
-5.5270

43.9660, -1.5190,  
33.0490

118.7900, 0.2310,  
-9.6970

36.3020, -2.3450,  
37.0070

126.4540, 1.0570,  
-13.6550

28.9370, -2.5750,  
41.1770

133.8190, 1.2870,  
-17.8250

26.8770, -2.3460,

141.7710, 1.2420,

42.5340

-22.5180

■ 149.1360, 1.4720,  
-26.6880

# Harmonies

## Analogous

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



79.0170, -15.8650, 6.6870



81.3780, -0.6440, 11.6760



81.8480, 12.6520, 13.0040

# Triad

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



81.3780, -0.6440, 11.6760



79.2550, 21.0910, -2.2770



71.6970, -30.3040, -12.4800

# Complementary

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



81.3780, -0.6440, 11.6760



94.6220, 0.6440, -11.6760

# 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.



74.1840, -15.6780, -13.2300



81.3780, -0.6440, 11.6760



78.0750, 12.6100, -8.2700

# Square

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



81.3780, -0.6440, 11.6760



80.6240, 24.6660, 4.5220



76.1380, -0.8690, -11.7890



71.5100, -36.9070, -8.4510



# Rectangle

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



81.3780, -0.6440, 11.6760



81.6160, 19.1170, 11.4770



76.1380, -0.8690, -11.7890



72.6220, -25.7190, -12.9750

# Sweetspot

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



81.3780, -0.6440, 11.6760



124.7490, -0.5510, 4.4810



85.4100, -12.8380, 1.3860



61.5810, -0.1380, 2.5020



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



81.3780, -0.6440, 11.6760



100.5940, -1.0120, 18.3480



85.5640, 7.7000, 14.6440



47.1680, -0.4130, 1.9790



30.1530, -2.9430, 47.8490



63.7670, -5.5660, 100.9140



# Inverse Universe

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



83.9680, 12.1940, 10.2900



104.6640, 19.1620, 16.1700



90.4360, -7.7000, -14.6440



47.7230, 2.3380, 1.6820



40.8830, 50.2430, 42.1070



86.1520, 105.3910, 88.9350



# Previews

## White Background



This preview shows how the YIQ color 81.3780, -0.6440, 11.6760 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 81.3780, -0.6440, 11.6760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

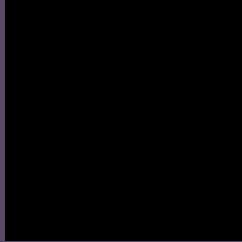
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 81.3780, -0.6440, 11.6760**

## **Background**



This preview shows how black text looks on a background with the YIQ color 81.3780, -0.6440, 11.6760.



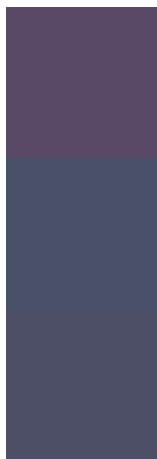
This preview shows how white text looks on a background with the YIQ color 81.3780, -0.6440,



# 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

81.3780, -0.6440, 11.6760

### Protanopia

79.8710, -12.5180, 6.6020

### Deuteranopia

80.0240, -8.5750, 6.7290



## Tritanopia

80.1900, 2.5210, 3.8730

# Trichromacy



## Original Color

81.3780, -0.6440, 11.6760

## Protanomaly

80.3770, -8.0710, 8.6090

## Deuteranomaly

80.6330, -5.9160, 8.1000

## Tritanomaly

80.7000, 1.1450, 6.7850

# Monochromacy



## Original Color

81.3780, -0.6440, 11.6760

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

81.0480, 0.0450, 4.6930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 81.3780, -0.6440, 11.6760 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(88, 74, 102)` looks like.

```
.text, #text, p{  
    color:rgb(88, 74, 102)  
}
```

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(88, 74, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 74, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 81.3780, -0.6440, 11.6760 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(88, 74, 102) }
```



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

```
.border{ border-color:rgb(88, 74, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 74, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 74, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 74, 102);  
box-shadow:4px 4px 4px 4px rgb(88, 74,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 81.3780, -0.6440, 11.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 74, 102) }
```

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

```
.background{ background-color: rgb(88, 74,  
102) }
```

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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