

# Converting Colors

YIQ(80.8860, 9.4890, 9.7530)

Have a look what the booklet for  
YIQ(80.8860, 9.4890, 9.7530)  
contains.

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**Color**

**YIQ(80.8860, 9.4890, 9.7530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	604857
RGB	96, 72, 87
RGB Percent	38%, 28%, 34%
CMY	0.6235, 0.7177, 0.6588
CMYK	0.00, 0.25, 0.09, 0.62
HSL	323°, 14%, 33%
HSV	323°, 25%, 38%
XYZ	8.8629, 7.8094, 10.0585
YIQ	80.8860, 9.4890, 9.7530

# Conversions

## Conversions Part 2

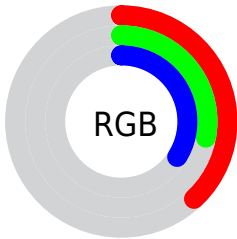
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 72, 87
Decimal	6309975
CIELab	33.58, 13.02, -4.92
CIElCh	34, 13.916, 339.279
Yxy	7.8094, 0.3316, 0.2921
Android (android.graphics.Color)	4284500055 (0xFF604857)
YUV	80.8860, 3.0142, 13.2550
Hunter-Lab	27.9453, 7.7077, -1.7789

# Details

The YIQ color **80.8860, 9.4890, 9.7530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **87.1140, -9.4890, -9.7530**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.5980, 10.3600, 10.4880**, and **35.8750, 8.0220, 8.8060** is the 20% darker color. If you saturate the color by 10%, you get **74.5600, 13.5230, 13.7390**, and if you desaturate by 10%, it is **87.2120, 5.4550, 5.7670**.

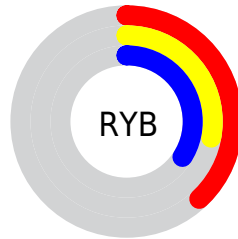
# Distribution



Red (38%)

Green (28%)

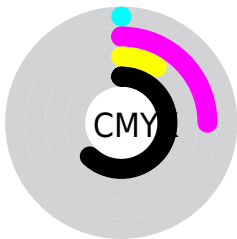
Blue (34%)



Red (38%)

Yellow (28%)

Blue (34%)

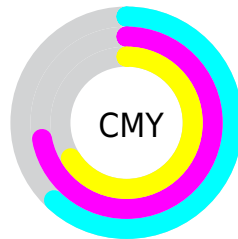


Cyan (0%)

Magenta (25%)

Yellow (9%)

Black (62%)



Cyan (62%)

Magenta (72%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.8860, 9.4890, 9.7530 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 80.8860, 9.4890, 9.7530 by changing the saturation by 10% instead.



■ 80.8860, 9.4890,  
9.7530

■ 80.8860, 9.4890,  
9.7530

■ 255.0000, -0.0000,  
-0.0000

■ 57.5870, 8.8930,  
9.5410

■ 130.5980, 10.3600,  
10.4880

■ 35.8750, 8.0220,  
8.8060

■ 156.3100, 11.2310,  
11.2230

■ 12.9400, 9.3970,  
11.4210

■ 183.3100, 11.2310,  
11.2230

■ 0.0000, 0.0000,  
0.0000

■ 210.7230, 11.5060,  
11.7460

■ 238.7120, 10.0390,  
10.7990

80.8860, 9.4890,  
9.7530

80.8860, 9.4890,  
9.7530

74.5600, 13.5230,  
13.7390

87.2120, 5.4550,  
5.7670

68.9350, 16.9610,  
17.5130

92.8370, 2.0170,  
1.9930

62.6090, 20.9950,  
21.4990

99.1630, -2.0170,  
-1.9930

56.9840, 24.4330,  
25.2730

104.7880, -5.4550,  
-5.7670

50.6580, 28.4670,  
29.2590

111.1140, -9.4890,  
-9.7530

44.3320, 32.5010,  
33.2450

117.4400,  
-13.5230, -13.7390

38.7070, 35.9390,  
37.0190


123.0650,  
-16.9610, -17.5130

35.5440, 37.9560,

129.3910,

39.0120

-20.9950, -21.4990

 135.0160,  
-24.4330, -25.2730

# Harmonies

## Analogous

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



80.3840, -0.7810, 8.6510



80.8860, 9.4890, 9.7530



80.5400, 16.2750, 7.9150

# Triad

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



80.8860, 9.4890, 9.7530



77.9870, 10.0420, -5.7820



74.1480, -24.0240, -5.1440

# Complementary

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



80.8860, 9.4890, 9.7530



87.1140, -9.4890, -9.7530

# 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.



73.8940, -20.4930, -8.5650



80.8860, 9.4890, 9.7530



77.0180, -0.4110, -9.0750

# Square

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



80.8860, 9.4890, 9.7530



79.4440, 16.1850, -1.4710



75.6300, -11.0020, -9.8660



76.1640, -20.9530, -0.2250



# Rectangle

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



80.8860, 9.4890, 9.7530



80.3290, 18.2470, 5.2150



75.6300, -11.0020, -9.8660



74.0940, -23.9320, -6.8120

# Sweetspot

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



80.8860, 9.4890, 9.7530



118.6740, 4.0340, 3.9860



77.4270, -2.3400, 9.3720



59.5490, 2.8880, 2.7280



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



80.8860, 9.4890, 9.7530



101.0980, 14.9440, 15.5200



79.5180, 13.3410, 6.0210



45.5380, 1.4210, 1.7810



41.4680, 44.2820, 45.5140



88.8600, 94.8900, 97.5300



# Inverse Universe

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



80.8860, 9.4890, 9.7530



101.0980, 14.9440, 15.5200



88.4820, -13.3410, -6.0210



45.5380, 1.4210, 1.7810



41.4680, 44.2820, 45.5140

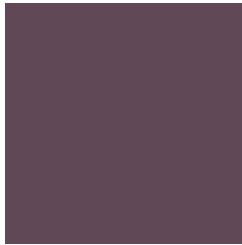


88.8600, 94.8900, 97.5300



# Previews

## White Background



This preview shows how the YIQ color 80.8860, 9.4890, 9.7530 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 80.8860, 9.4890, 9.7530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

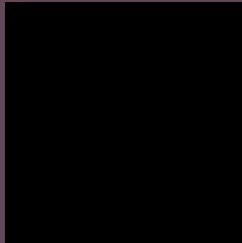
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 80.8860, 9.4890, 9.7530**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.8860, 9.4890, 9.7530.

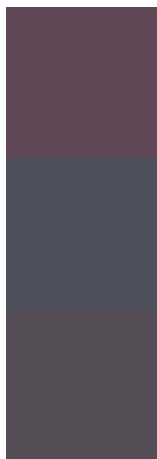


This preview shows how white text looks on a background with the YIQ color 80.8860, 9.4890, 9.7530.

# 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

80.8860, 9.4890, 9.7530

### Protanopia

79.7700, -5.0440, 3.3080

### Deuteranopia

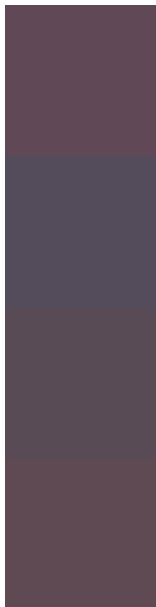
80.1190, 1.2830, 4.2830



## Tritanopia

80.2620, 11.1860, 6.5300

# Trichromacy



## Original Color

80.8860, 9.4890, 9.7530

## Protanomaly

79.9880, 0.2740, 6.0500

## Deuteranomaly

80.1410, 4.2170, 6.1770

## Tritanomaly

80.6040, 10.2230, 7.4630

# Monochromacy



## Original Color

80.8860, 9.4890, 9.7530

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.9620, 3.1630, 3.2510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.8860, 9.4890, 9.7530 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(96, 72, 87)` looks like.

```
.text, #text, p{  
    color:rgb(96, 72, 87)  
}
```

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(96, 72, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 72, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 80.8860, 9.4890, 9.7530 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(96, 72, 87) }
```

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

```
.border{ border-color:rgb(96, 72, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 72, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 72, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 72, 87);  
box-shadow:4px 4px 4px 4px rgb(96, 72, 87)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 80.8860, 9.4890, 9.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 72, 87) }
```

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

```
.background{ background-color: rgb(96, 72,  
87) }
```

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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