

# Converting Colors

YIQ(88.7940, 12.7440, 11.3360)

Have a look what the booklet for  
YIQ(88.7940, 12.7440, 11.3360)  
contains.

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# Color

**YIQ(88.7940, 12.7440,  
11.3360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C4E5E
RGB	108, 78, 94
RGB Percent	42%, 31%, 37%
CMY	0.5764, 0.6942, 0.6313
CMYK	0.00, 0.28, 0.13, 0.58
HSL	328°, 16%, 36%
HSV	328°, 28%, 42%
XYZ	10.9312, 9.4448, 11.8389
YIQ	88.7940, 12.7440, 11.3360

# Conversions

## Conversions Part 2

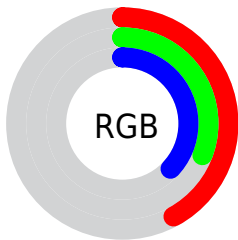
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 78, 94
Decimal	7097950
CIE <sub>Lab</sub>	36.83, 15.45, -4.38
CIE <sub>LCh</sub>	37, 16.059, 344.182
Yxy	9.4448, 0.3393, 0.2932
Android (android.graphics.Color)	4285288030 (0xFF6C4E5E)
YUV	88.7940, 2.5666, 16.8437
Hunter-Lab	30.7323, 9.7090, -1.3273

# Details

The YIQ color **88.7940, 12.7440, 11.3360** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **97.2060, -12.7440, -11.3360**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.8050, 14.2110, 12.2830**, and **42.7830, 11.2770, 10.3890** is the 20% darker color. If you saturate the color by 10%, you get **81.7670, 17.3740, 15.5340**, and if you desaturate by 10%, it is **95.8210, 8.1140, 7.1380**.

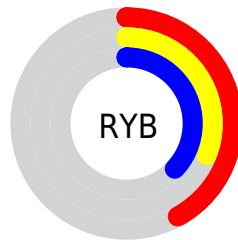
# Distribution



Red (42%)

Green (31%)

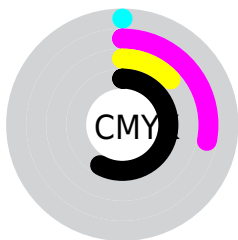
Blue (37%)



Red (42%)

Yellow (31%)

Blue (37%)

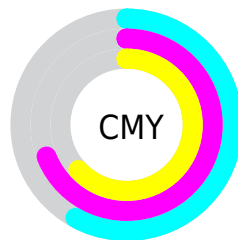


Cyan (0%)

Magenta (28%)

Yellow (13%)

Black (58%)



Cyan (58%)

Magenta (69%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 88.7940, 12.7440, 11.3360 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 88.7940, 12.7440, 11.3360 by changing the saturation by 10% instead.



■ 88.7940, 12.7440,  
11.3360

■ 88.7940, 12.7440,  
11.3360

255.0000, -0.0000,  
-0.0000

■ 65.0820, 11.8730,  
10.6010

■ 138.8050, 14.2110,  
12.2830

■ 42.7830, 11.2770,  
10.3890

■ 165.2180, 14.4860,  
12.8060

■ 21.4840, 10.6810,  
10.1770

■ 192.5170, 15.0820,  
13.0180

■ 1.4950, 2.9800,  
1.0600

■ 220.5170, 15.0820,  
13.0180

■ 0.0000, 0.0000,  
0.0000

■ 243.8470, 5.2250,  
9.9370

88.7940, 12.7440,  
11.3360

88.7940, 12.7440,  
11.3360

81.7670, 17.3740,  
15.5340

95.8210, 8.1140,  
7.1380

74.7400, 22.0040,  
19.7320

102.8480, 3.4840,  
2.9400

68.3000, 26.3590,  
23.4070

109.2880, -0.8710,  
-0.7350

61.2730, 30.9890,  
27.6050

116.3150, -5.5010,  
-4.9330

54.2460, 35.6190,  
31.8030

123.3420,  
-10.1310, -9.1310

47.2190, 40.2490,  
36.0010

130.3690,  
-14.7610, -13.3290

40.1920, 44.8790,  
40.1990


137.3960,  
-19.3910, -17.5270

38.9040, 45.7500,

143.8360,

40.9340

-23.7460, -21.2020

 150.8630,  
-28.3760, -25.4000

# Harmonies

## Analogous

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



88.2210, 1.2360, 10.6440



88.7940, 12.7440, 11.3360



88.2200, 20.1720, 8.8760

# Triad

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



88.7940, 12.7440, 11.3360



85.6340, 9.5380, -7.6620



81.0980, -29.7550, -5.9070

# Complementary

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



88.7940, 12.7440, 11.3360



97.2060, -12.7440, -11.3360

# 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.



80.6160, -25.5820, -9.9500



88.7940, 12.7440, 11.3360



83.5940, -2.1530, -10.5450

# Square

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



88.7940, 12.7440, 11.3360



86.2870, 18.0650, -2.5030



81.8360, -14.5780, -11.1380



83.7230, -24.0250, 0.3830



# Rectangle

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



88.7940, 12.7440, 11.3360



87.5960, 21.8690, 5.6530



81.8360, -14.5780, -11.1380



80.4570, -29.3880, -7.0520

# Sweetspot

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



88.7940, 12.7440, 11.3360



132.9730, 4.6300, 4.1980



85.6060, -1.2860, 12.2980



66.5490, 2.8880, 2.7280



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.



88.7940, 12.7440, 11.3360



110.6040, 19.3910, 17.5270



87.0840, 17.5590, 6.6710



50.1360, 2.6130, 2.2050



42.1650, 49.5090, 44.3970



88.1890, 103.9690, 92.6810



# Inverse Universe

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



88.7940, 12.7440, 11.3360



110.6040, 19.3910, 17.5270



98.9160, -17.5590, -6.6710



50.1360, 2.6130, 2.2050



42.1650, 49.5090, 44.3970



88.1890, 103.9690, 92.6810



# Previews

## White Background



This preview shows how the YIQ color 88.7940, 12.7440, 11.3360 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 88.7940, 12.7440, 11.3360 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 88.7940, 12.7440, 11.3360

## Background



This preview shows how black text looks on a background with the YIQ color 88.7940, 12.7440, 11.3360.



This preview shows how white text looks on a background with the YIQ color 88.7940, 12.7440,



# 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

88.7940, 12.7440, 11.3360

### Protanopia

87.1830, -4.7690, 3.8310

### Deuteranopia

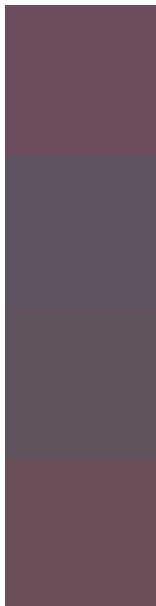
87.7170, 2.4750, 4.7070



## Tritanopia

88.1700, 14.4410, 8.1130

# Trichromacy



## Original Color

88.7940, 12.7440, 11.3360

## Protanomaly

87.5860, 1.4660, 6.4740

## Deuteranomaly

88.0380, 6.0050, 6.8130

## Tritanomaly

88.5120, 13.4780, 9.0460

# Monochromacy



## Original Color

88.7940, 12.7440, 11.3360

## Achromatopsia

89.0000, -0.0000, -0.0000

## Achromatomaly

88.9730, 4.6300, 4.1980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 88.7940, 12.7440, 11.3360 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(108, 78, 94)` looks like.

```
.text, #text, p{  
    color:rgb(108, 78, 94)  
}
```

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(108, 78, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 78, 94) }
```

## Border

The CSS property to change the border of an element to YIQ 88.7940, 12.7440, 11.3360 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(108, 78, 94) }
```



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

```
.border{ border-color:rgb(108, 78, 94) }
```

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

Here you see how a box with a 4 pixel rgb(108, 78, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 78, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 78, 94);  
box-shadow:4px 4px 4px 4px rgb(108, 78,  
94) }
```

# Background

The CSS property to change the background color of an element to YIQ 88.7940, 12.7440, 11.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 78, 94) }
```

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

```
.background{ background-color: rgb(108, 78,  
94) }
```

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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