

# Converting Colors

YIQ(122.8270, 7.9770, 4.1130)

Have a look what the booklet for  
YIQ(122.8270, 7.9770, 4.1130)  
contains.

<b>YIQ(122.8270, 7.9770, 4.1130)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(122.8270, 7.9770,  
4.1130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	857679
RGB	133, 118, 121
RGB Percent	52%, 46%, 47%
CMY	0.4784, 0.5373, 0.5255
CMYK	0.00, 0.11, 0.09, 0.48
HSL	348°, 6%, 49%
HSV	348°, 11%, 52%
XYZ	19.6037, 19.3234, 20.7881
YIQ	122.8270, 7.9770, 4.1130

# Conversions

## Conversions Part 2

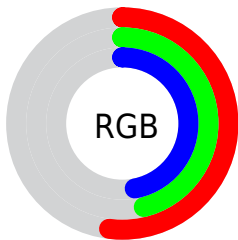
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 118, 121
Decimal	8746617
CIE Lab	51.06, 6.35, 0.46
CIE LCh	51, 6.368, 4.169
Yxy	19.3234, 0.3283, 0.3236
Android (android.graphics.Color)	4286936697 (0xFF857679)
YUV	122.8270, -0.9007, 8.9217
Hunter-Lab	43.9584, 2.6770, 2.7323

# Details

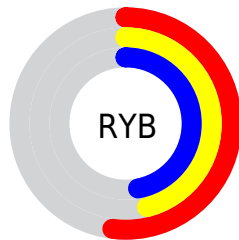
The YIQ color  $122.8270, 7.9770, 4.1130$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $128.1730, -7.9770, -4.1130$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $175.1260, 8.5730, 4.3250$ , and  $74.2290, 6.7850, 3.6890$  is the 20% darker color. If you saturate the color by 10%, you get  $113.9420, 15.0830, 7.4910$ , and if you desaturate by 10%, it is  $131.7120, 0.8710, 0.7350$ .

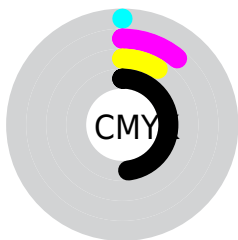
# Distribution



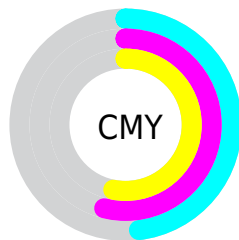
- Red (52%)
- Green (46%)
- Blue (47%)



- Red (52%)
- Yellow (46%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (9%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.8270, 7.9770, 4.1130 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 122.8270, 7.9770, 4.1130 by changing the saturation by 10% instead.



■ 122.8270, 7.9770,  
4.1130

■ 122.8270, 7.9770,  
4.1130

255.0000, -0.0000,  
-0.0000

■ 97.8270, 7.9770,  
4.1130

■ 175.1260, 8.5730,  
4.3250

■ 74.2290, 6.7850,  
3.6890

■ 202.5390, 8.8480,  
4.8480

■ 51.2290, 6.7850,  
3.6890

■ 230.5390, 8.8480,  
4.8480

■ 30.5170, 5.9140,  
2.9540

254.4130, 0.2750,  
0.5230

■ 6.0230, 10.3610,  
4.9610

■ 0.0000, 0.0000,  
0.0000

■ 122.8270, 7.9770,  
4.1130

■ 122.8270, 7.9770,  
4.1130

■ 113.9420, 15.0830,  
7.4910

■ 131.7120, 0.8710,  
0.7350

■ 104.5840, 22.1430,  
11.7030

■ 141.0700, -6.1890,  
-3.4770

■ 95.6990, 29.2490,  
15.0810

■ 149.9550,  
-13.2950, -6.8550

■ 86.8140, 36.3550,  
18.4590

■ 158.8400,  
-20.4010, -10.2330

■ 77.4560, 43.4150,  
22.6710

■ 168.1980,  
-27.4610, -14.4450

■ 68.5710, 50.5210,  
26.0490

■ 177.0830,  
-34.5670, -17.8230

■ 59.8000, 57.3060,  
29.7380

■ 185.8540,  
-41.3520, -21.5120

■ 50.9150, 64.4120,

■ 194.7390,

33.1160

-48.4580, -24.8900

■ 42.8450, 70.6010,  
36.5930

■ 204.2110,  
-55.8390, -28.7910

# Harmonies

## Analogous

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



123.0870, 4.3090, 4.5090



122.8270, 7.9770, 4.1130



122.2570, 9.5820, 2.5580

# Triad

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



122.8270, 7.9770, 4.1130



120.6640, 0.8260, -3.9580



120.3240, -9.7200, -0.0560

# Complementary

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



122.8270, 7.9770, 4.1130



128.1730, -7.9770, -4.1130

# 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.



120.1450, -10.7740, -2.9820



122.8270, 7.9770, 4.1130



119.9130, -4.3090, -4.5090

# Square

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



122.8270, 7.9770, 4.1130



121.0560, 5.5940, -2.2620



119.8740, -8.5730, -4.3250



121.6450, -6.1900, 2.0500



# Rectangle

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



122.8270, 7.9770, 4.1130



122.2030, 9.6740, 0.8900



119.8740, -8.5730, -4.3250



120.4980, -10.2700, -1.1020

# Sweetspot

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



122.8270, 7.9770, 4.1130



169.6090, 2.6590, 1.3710



123.2980, 2.3370, 7.2090



84.3100, 2.0630, 1.1590



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



122.8270, 7.9770, 4.1130



156.7460, 12.6990, 6.6430



124.8330, 7.8400, 1.0880



61.9080, 3.2550, 1.5830



41.8340, 69.1340, 35.6460



1.0110, 1.4670, 0.9470



# Inverse Universe

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



122.8270, 7.9770, 4.1130



156.7460, 12.6990, 6.6430



126.1670, -7.8400, -1.0880



61.9080, 3.2550, 1.5830



41.8340, 69.1340, 35.6460



1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 122.8270, 7.9770, 4.1130 looks on a white 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



# Black Background



This preview shows how the YIQ color 122.8270, 7.9770, 4.1130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

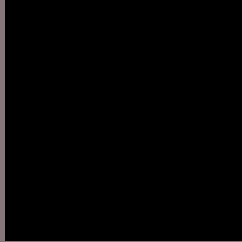
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 122.8270, 7.9770, 4.1130**

## **Background**



This preview shows how black text looks on a background with the YIQ color 122.8270, 7.9770, 4.1130.



This preview shows how white text looks on a background with the YIQ color 122.8270, 7.9770,



# 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

122.8270, 7.9770, 4.1130

### Protanopia

121.8260, 0.5500, 1.0460

### Deuteranopia

123.1260, 8.5730, 4.3250



## Tritanopia

123.1090, 7.2430, 6.4030

# Trichromacy



## Original Color

122.8270, 7.9770, 4.1130

## Protanomaly

122.3210, 3.5300, 2.1060

## Deuteranomaly

123.1260, 8.5730, 4.3250

## Tritanomaly

122.8810, 7.8850, 5.7810

# Monochromacy



## Original Color

122.8270, 7.9770, 4.1130

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.9080, 3.2550, 1.5830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.8270, 7.9770, 4.1130 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(133, 118, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 121)  
}
```

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(133, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 121) }
```

## Border

The CSS property to change the border of an element to YIQ 122.8270, 7.9770, 4.1130 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".

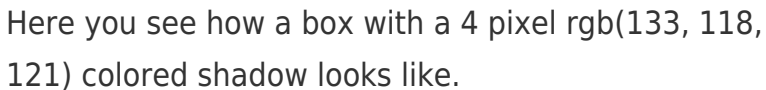
```
.border, #border, table{ border:4px solid rgb(133, 118, 121) }
```



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

```
.border{ border-color:rgb(133, 118, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 118, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 118, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 118, 121); box-shadow:4px 4px 4px 4px rgb(133, 118, 121) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.8270, 7.9770, 4.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 121) }
```

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

```
.background{ background-color: rgb(133,  
118, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor