

# Converting Colors

YIQ(122.7380, 7.1500, 13.5980)

Have a look what the booklet for  
YIQ(122.7380, 7.1500, 13.5980)  
contains.

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# Color

**YIQ(122.7380, 7.1500,  
13.5980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A708A
RGB	138, 112, 138
RGB Percent	54%, 44%, 54%
CMY	0.4587, 0.5608, 0.4588
CMYK	0.00, 0.19, 0.00, 0.46
HSL	300°, 10%, 49%
HSV	300°, 19%, 54%
XYZ	20.8651, 18.8260, 26.5796
YIQ	122.7380, 7.1500, 13.5980

# Conversions

## Conversions Part 2

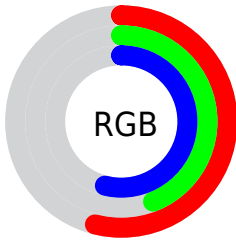
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 112, 138
Decimal	9072778
CIE <sub>Lab</sub>	50.48, 15.06, -10.37
CIE <sub>LCh</sub>	50, 18.283, 325.448
Yxy	18.8260, 0.3148, 0.2841
Android (android.graphics.Color)	4287262858 (0xFF8A708A)
YUV	122.7380, 7.5242, 13.3848
Hunter-Lab	43.3889, 9.9075, -5.9483

# Details

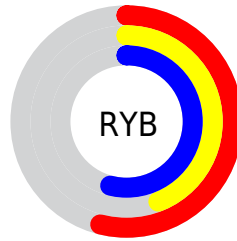
The YIQ color  $122.7380, 7.1500, 13.5980$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $127.2620, -7.1500, -13.5980$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $175.4500, 8.0210, 14.3330$ , and  $73.9120, 6.6000, 12.5520$  is the 20% darker color. If you saturate the color by 10%, you get  $114.5200, 11.0000, 20.9200$ , and if you desaturate by 10%, it is  $130.9560, 3.3000, 6.2760$ .

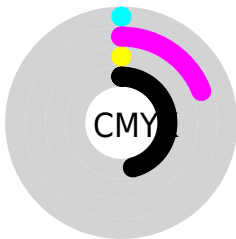
# Distribution



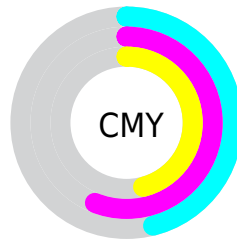
- Red (54%)
- Green (44%)
- Blue (54%)



- Red (54%)
- Yellow (44%)
- Blue (54%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (46%)



- Cyan (46%)
- Magenta (56%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.7380, 7.1500, 13.5980 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 122.7380, 7.1500, 13.5980 by changing the saturation by 10% instead.



■ 122.7380, 7.1500,  
13.5980

■ 122.7380, 7.1500,  
13.5980

■ 255.0000, -0.0000,  
-0.0000

■ 97.4390, 6.5540,  
13.3860

■ 175.4500, 8.0210,  
14.3330

■ 73.9120, 6.6000,  
12.5520

■ 202.8630, 8.2960,  
14.8560

■ 51.2000, 5.7290,  
11.8170

■ 230.9770, 7.9750,  
15.1670

■ 29.7870, 5.4540,  
11.2940

■ 250.3040, 2.2000,  
4.1840

■ 9.4990, 6.3250,  
12.0290

■ 0.0000, 0.0000,  
0.0000

122.7380, 7.1500,  
13.5980

122.7380, 7.1500,  
13.5980

114.5200, 11.0000,  
20.9200

130.9560, 3.3000,  
6.2760

106.3020, 14.8500,  
28.2420

139.1740, -0.5500,  
-1.0460

98.6710, 18.4250,  
35.0410

146.8050, -4.1250,  
-7.8450

90.4530, 22.2750,  
42.3630

155.0230, -7.9750,  
-15.1670

82.2350, 26.1250,  
49.6850

163.2410,  
-11.8250, -22.4890

74.0170, 29.9750,  
57.0070

171.4590,  
-15.6750, -29.8110

65.7990, 33.8250,  
64.3290

179.6770,  
-19.5250, -37.1330

58.1680, 37.4000,

187.3080,

71.1280

-23.1000, -43.9320

■ 56.9940, 37.9500,  
72.1740

■ 195.5260,  
-26.9500, -51.2540

# Harmonies

## Analogous

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



121.4310, -8.1630, 10.2770



122.7380, 7.1500, 13.5980



122.5560, 19.3460, 12.8340

# Triad

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



122.7380, 7.1500, 13.5980



119.4780, 18.8450, -5.6270



113.3100, -33.4680, -10.2040

# Complementary

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



122.7380, 7.1500, 13.5980



127.2620, -7.1500, -13.5980

# 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.



114.1770, -22.9680, -13.2720



122.7380, 7.1500, 13.5980



117.9710, 6.9710, -10.7010

# Square

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



122.7380, 7.1500, 13.5980



120.8150, 25.4460, 1.3980



116.0770, -8.0670, -13.4990



114.7110, -32.9190, -3.6310



# Rectangle

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



122.7380, 7.1500, 13.5980



122.3130, 24.3440, 10.3600



116.0770, -8.0670, -13.4990



113.3380, -30.6710, -11.3350

# Sweetspot

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



122.7380, 7.1500, 13.5980



172.4290, 3.3460, 5.4420



114.9640, -8.3460, 8.0860



85.4780, 1.6500, 3.1380



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



122.7380, 7.1500, 13.5980



154.2320, 11.8710, 21.6550



121.2560, 11.3230, 9.5550



64.8910, 1.9250, 3.6610



54.9290, 36.5750, 69.5590



2.0650, 1.3750, 2.6150



# Inverse Universe

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



122.7380, 7.1500, 13.5980



154.2320, 11.8710, 21.6550



128.7440, -11.3230, -9.5550



64.8910, 1.9250, 3.6610



54.9290, 36.5750, 69.5590

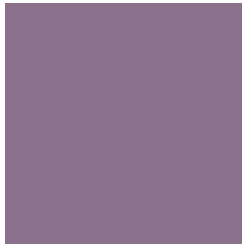


2.0650, 1.3750, 2.6150



# Previews

## White Background



This preview shows how the YIQ color 122.7380, 7.1500, 13.5980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

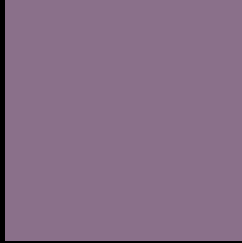
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.7380, 7.1500, 13.5980 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 122.7380, 7.1500, 13.5980

## Background



This preview shows how black text looks on a background with the YIQ color 122.7380, 7.1500, 13.5980.



This preview shows how white text looks on a background with the YIQ color 122.7380, 7.1500,



# 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

122.7380, 7.1500, 13.5980

### Protanopia

120.8390, -9.4920, 6.8280

### Deuteranopia

121.3730, -2.2480, 7.7040



## Tritanopia

122.1910, 9.9480, 6.9400

# Trichromacy



## Original Color

122.7380, 7.1500, 13.5980

## Protanomaly

121.2420, -3.2570, 9.4710

## Deuteranomaly

121.6940, 1.2820, 9.8100

## Tritanomaly

122.4730, 9.2140, 9.2300

# Monochromacy



## Original Color

122.7380, 7.1500, 13.5980

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.7170, 2.4750, 4.7070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.7380, 7.1500, 13.5980 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(138, 112, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 112, 138)  
}
```

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(138, 112, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 112, 138) }
```

## Border

The CSS property to change the border of an element to YIQ 122.7380, 7.1500, 13.5980 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(138, 112, 138) }
```



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

```
.border{ border-color:rgb(138, 112, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 112, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 112, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 112, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 112,  
138) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.7380, 7.1500, 13.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 112, 138) }
```

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

```
.background{ background-color: rgb(138,  
112, 138) }
```

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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