

# Converting Colors

YIQ(123.9480, 24.1140, 14.5300)

Have a look what the booklet for  
YIQ(123.9480, 24.1140, 14.5300)  
contains.

<b>YIQ(123.9480, 24.1140, 14.5300)</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(123.9480, 24.1140,  
14.5300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C6C7A
RGB	156, 108, 122
RGB Percent	61%, 42%, 48%
CMY	0.3881, 0.5765, 0.5215
CMYK	0.00, 0.31, 0.22, 0.39
HSL	342°, 20%, 52%
HSV	342°, 31%, 61%
XYZ	22.5910, 19.1976, 20.9342
YIQ	123.9480, 24.1140, 14.5300

# Conversions

## Conversions Part 2

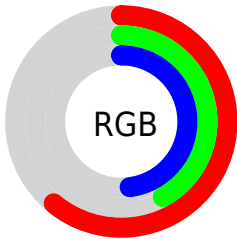
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 108, 122
Decimal	10251386
CIE Lab	50.92, 21.28, -0.06
CIE LCh	51, 21.282, 359.845
Yxy	19.1976, 0.3602, 0.3061
Android (android.graphics.Color)	4288441466 (0xFF9C6C7A)
YUV	123.9480, -0.9604, 28.1096
Hunter-Lab	43.8151, 15.3580, 2.3426

# Details

The YIQ color **123.9480, 24.1140, 14.5300** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **140.0520, -24.1140, -14.5300**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.8450, 25.9020, 15.1660**, and **74.6380, 22.0510, 13.3710** is the 20% darker color. If you saturate the color by 10%, you get **113.3020, 32.0450, 19.4770**, and if you desaturate by 10%, it is **134.5940, 16.1830, 9.5830**.

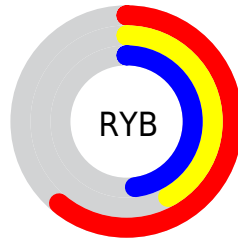
# Distribution



Red (61%)

Green (42%)

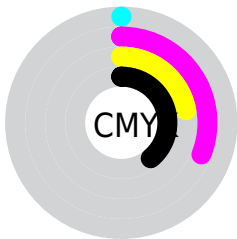
Blue (48%)



Red (61%)

Yellow (42%)

Blue (48%)

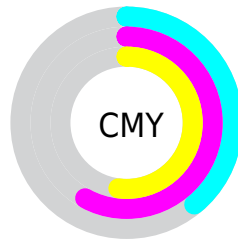


Cyan (0%)

Magenta (31%)

Yellow (22%)

Black (39%)



Cyan (39%)

Magenta (58%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.9480, 24.1140, 14.5300 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 123.9480, 24.1140, 14.5300 by changing the saturation by 10% instead.



123.9480, 24.1140,  
14.5300

123.9480, 24.1140,  
14.5300

255.0000, -0.0000,  
-0.0000

98.3500, 22.9220,  
14.1060

176.8450, 25.9020,  
15.1660

74.6380, 22.0510,  
13.3710

204.5570, 26.7730,  
15.9010

51.1540, 20.5380,  
13.2580

228.6700, 19.0250,  
13.1450

28.6700, 19.0250,  
13.1450

247.9560, 3.3000,  
6.2760

11.2200, 20.1720,  
8.8760

0.0000, 0.0000,  
0.0000

■ 123.9480, 24.1140,  
14.5300

■ 123.9480, 24.1140,  
14.5300

■ 113.3020, 32.0450,  
19.4770

■ 134.5940, 16.1830,  
9.5830

■ 103.2430, 39.7010,  
23.9010

■ 144.6530, 8.5270,  
5.1590

■ 92.5970, 47.6320,  
28.8480

■ 155.2990, 0.5960,  
0.2120

■ 82.5380, 55.2880,  
33.2720

■ 165.3580, -7.0600,  
-4.2120

■ 71.8920, 63.2190,  
38.2190

■ 176.0040,  
-14.9910, -9.1590

■ 61.2460, 71.1500,  
43.1660


■ 186.6500,  
-22.9220, -14.1060

■ 51.8880, 78.2100,  
47.3780

■ 196.7090,  
-30.5780, -18.5300

■ 207.3550,

-38.5090, -23.4770

 217.4140,  
-46.1650, -27.9010

# Harmonies

## Analogous

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



124.1730, 10.3590, 16.0150



123.9480, 24.1140, 14.5300



122.7820, 30.2130, 8.6210

# Triad

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



123.9480, 24.1140, 14.5300



118.4930, 5.3210, -13.8390



114.8890, -39.2920, -3.7720

# Complementary

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



123.9480, 24.1140, 14.5300



140.0520, -24.1140, -14.5300

# 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.



112.4770, -41.3080, -11.2920



123.9480, 24.1140, 14.5300



116.0440, -12.4680, -16.3400

# Square

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



123.9480, 24.1140, 14.5300



120.1960, 19.5790, -7.9170



113.1160, -30.1660, -14.9820



119.4010, -25.8140, 5.2740



# Rectangle

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



123.9480, 24.1140, 14.5300



122.2070, 30.2140, 3.0940



113.1160, -30.1660, -14.9820



113.5250, -41.2630, -6.5990

# Sweetspot

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



123.9480, 24.1140, 14.5300



191.9520, 9.1230, 5.3710



123.6380, 4.8560, 22.1360



94.6310, 5.5930, 3.2650



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



123.9480, 24.1140, 14.5300



153.9330, 37.6380, 22.7420



128.2220, 25.8580, 4.9460



73.6200, 4.1260, 2.3180



47.5450, 71.7460, 43.3780



4.9410, 7.6560, 4.4240



# Inverse Universe

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



123.9480, 24.1140, 14.5300



153.9330, 37.6380, 22.7420



135.7780, -25.8580, -4.9460



73.6200, 4.1260, 2.3180



47.5450, 71.7460, 43.3780



4.9410, 7.6560, 4.4240



# Previews

## White Background



This preview shows how the YIQ color 123.9480, 24.1140, 14.5300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

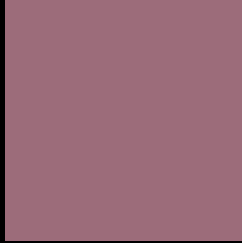
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 123.9480, 24.1140, 14.5300 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 123.9480, 24.1140, 14.5300

## Background



This preview shows how black text looks on a background with the YIQ color 123.9480, 24.1140, 14.5300.



This preview shows how white text looks on a background with the YIQ color 123.9480, 24.1140,



# 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

123.9480, 24.1140, 14.5300

### Protanopia

122.0260, -2.8890, 2.7990

### Deuteranopia

123.0120, 8.8940, 4.0140



## Tritanopia

123.6660, 24.8480, 12.2400

# Trichromacy



## Original Color

123.9480, 24.1140, 14.5300

## Protanomaly

122.6360, 7.1970, 7.2370

## Deuteranomaly

123.1700, 14.4410, 8.1130

## Tritanomaly

123.8940, 24.2060, 12.8620

# Monochromacy



## Original Color

123.9480, 24.1140, 14.5300

## Achromatopsia

124.0000, -0.0000, -0.0000

## Achromatomaly

123.9520, 9.1230, 5.3710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.9480, 24.1140, 14.5300 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(156, 108, 122)` looks like.

```
.text, #text, p{  
    color:rgb(156, 108, 122)  
}
```

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(156, 108, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 108, 122) }
```

## Border

The CSS property to change the border of an element to YIQ 123.9480, 24.1140, 14.5300 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(156, 108, 122) }
```



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

```
.border{ border-color:rgb(156, 108, 122) }
```

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

Here you see how a box with a 4 pixel rgb(156, 108, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 108, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 108, 122);  
box-shadow:4px 4px 4px 4px rgb(156, 108,  
122) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.9480, 24.1140, 14.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 108, 122) }
```

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

```
.background{ background-color: rgb(156,  
108, 122) }
```

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