

# Converting Colors

YIQ(99.5960, 13.8420, 24.4820)

Have a look what the booklet for  
YIQ(99.5960, 13.8420, 24.4820)  
contains.

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# Color

**YIQ(99.5960, 13.8420,  
24.4820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80507E
RGB	128, 80, 126
RGB Percent	50%, 31%, 49%
CMY	0.4979, 0.6863, 0.5059
CMYK	0.00, 0.38, 0.02, 0.50
HSL	303°, 23%, 41%
HSV	303°, 38%, 50%
XYZ	15.5410, 11.8329, 21.2052
YIQ	99.5960, 13.8420, 24.4820

# Conversions

## Conversions Part 2

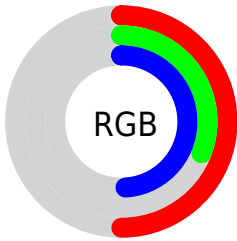
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 80, 126
Decimal	8409214
CIE <sub>Lab</sub>	40.95, 27.94, -17.74
CIE <sub>LCh</sub>	41, 33.097, 327.587
Yxy	11.8329, 0.3199, 0.2436
Android (android.graphics.Color)	4286599294 (0xFF80507E)
YUV	99.5960, 13.0172, 24.9103
Hunter-Lab	34.3990, 20.4456, -12.4700

# Details

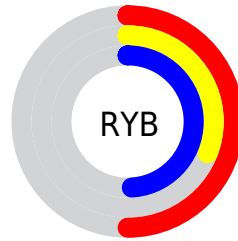
The YIQ color **99.5960, 13.8420, 24.4820** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **108.4040, -13.8420, -24.4820**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **151.1340, 15.2630, 26.2630**, and **51.4710, 12.6960, 23.2240** is the 20% darker color. If you saturate the color by 10%, you get **91.8510, 17.7380, 30.9700**, and if you desaturate by 10%, it is **107.3410, 9.9460, 17.9940**.

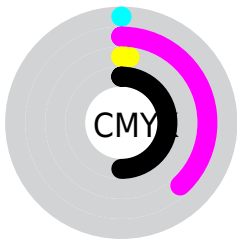
# Distribution



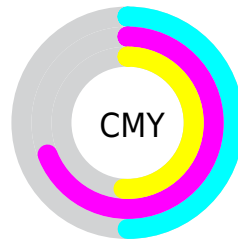
- Red (50%)
- Green (31%)
- Blue (49%)



- Red (50%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (50%)



- Cyan (50%)
- Magenta (69%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.5960, 13.8420, 24.4820 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 99.5960, 13.8420, 24.4820 by changing the saturation by 10% instead.



■ 99.5960, 13.8420,  
24.4820

■ 99.5960, 13.8420,  
24.4820

■ 255.0000, -0.0000,  
-0.0000

■ 74.8840, 12.9710,  
23.7470

■ 151.1340, 15.2630,  
26.2630

■ 51.4710, 12.6960,  
23.2240

■ 178.4330, 15.8590,  
26.4750

■ 28.1720, 12.1000,  
23.0120

■ 205.9600, 15.8130,  
27.3090

■ 14.2270, 10.2670,  
17.6830

■ 229.7590, 11.8250,  
22.4890

■ 0.5700, -1.6050,  
1.5550

■ 246.1950, 4.1250,  
7.8450

■ 0.0000, 0.0000,  
0.0000

99.5960, 13.8420,  
24.4820

99.5960, 13.8420,  
24.4820

91.8510, 17.7380,  
30.9700

107.3410, 9.9460,  
17.9940

84.2200, 21.3130,  
37.7690

114.9720, 6.3710,  
11.1950

77.0620, 24.9340,  
43.7340

122.1300, 2.7500,  
5.2300

69.4310, 28.5090,  
50.5330

129.7610, -0.8250,  
-1.5690

61.6860, 32.4050,  
57.0210

137.5060, -4.7210,  
-8.0570

54.0550, 35.9800,  
63.8200


145.1370, -8.2960,  
-14.8560

52.2940, 36.8050,  
65.3890

152.8820,  
-12.1920, -21.3440

159.9260,

-15.4920, -27.6200

 167.6710,  
-19.3880, -34.1080

# Harmonies

## Analogous

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



97.7650, -14.6750, 18.1650



99.5960, 13.8420, 24.4820



98.1930, 33.9700, 23.1380

# Triad

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



99.5960, 13.8420, 24.4820



94.2370, 29.5290, -12.0310



78.3640, -69.0910, -19.8990

# Complementary

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



99.5960, 13.8420, 24.4820



108.4040, -13.8420, -24.4820

# 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.



75.1720, -60.1030, -28.6070



99.5960, 13.8420, 24.4820



91.2450, 8.7150, -20.2850

# Square

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



99.5960, 13.8420, 24.4820



95.4870, 40.9890, 0.5490



87.0660, -18.7020, -24.5100



78.9970, -75.0070, -11.7990



# Rectangle

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



99.5960, 13.8420, 24.4820



97.0380, 41.5360, 18.1760



87.0660, -18.7020, -24.5100



77.3380, -66.2020, -22.6980

# Sweetspot

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



99.5960, 13.8420, 24.4820



155.3200, 5.2710, 9.1030



86.0700, -14.2160, 15.3520



77.5430, 3.0250, 5.7530



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



99.5960, 13.8420, 24.4820



121.6330, 21.5880, 38.2920



96.8600, 21.5460, 17.0180



59.7770, 2.2460, 3.3500



52.1800, 37.1260, 65.0780



0.0000, 0.0000, 0.0000



# Inverse Universe

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



99.5960, 13.8420, 24.4820



121.6330, 21.5880, 38.2920



111.1400, -21.5460, -17.0180



59.7770, 2.2460, 3.3500



52.1800, 37.1260, 65.0780



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 99.5960, 13.8420, 24.4820 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 × Fail



# Black Background



This preview shows how the YIQ color 99.5960, 13.8420, 24.4820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

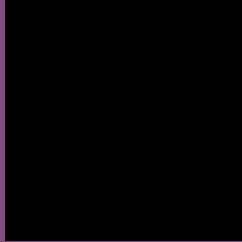
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 99.5960, 13.8420, 24.4820

## Background



This preview shows how black text looks on a background with the YIQ color 99.5960, 13.8420, 24.4820.



This preview shows how white text looks on a background with the YIQ color 99.5960, 13.8420,



# 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

99.5960, 13.8420, 24.4820

### Protanopia

97.2000, -20.6340, 10.5180

### Deuteranopia

97.5940, -10.1800, 8.2840



## Tritanopia

98.7470, 20.1260, 9.7100

# Trichromacy



## Original Color

99.5960, 13.8420, 24.4820

## Protanomaly

98.0060, -8.1640, 15.8040

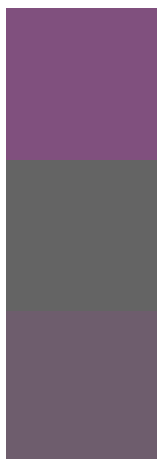
## Deuteranomaly

98.6600, -1.3780, 13.9660

## Tritanomaly

98.6530, 17.6950, 15.2230

# Monochromacy



## Original Color

99.5960, 13.8420, 24.4820

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

99.9070, 4.9960, 8.5800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.5960, 13.8420, 24.4820 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(128, 80, 126)` looks like.

```
.text, #text, p{  
    color:rgb(128, 80, 126)  
}
```

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(128, 80, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 80, 126) }
```

## Border

The CSS property to change the border of an element to YIQ 99.5960, 13.8420, 24.4820 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(128, 80, 126) }
```



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

```
.border{ border-color:rgb(128, 80, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 80, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 80, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 80, 126);  
box-shadow:4px 4px 4px 4px rgb(128, 80,  
126) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.5960, 13.8420, 24.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 80, 126) }
```

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

```
.background{ background-color: rgb(128, 80,  
126) }
```

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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