

# Converting Colors

YIQ(93.7630, 24.3380, 43.5220)

Have a look what the booklet for  
YIQ(93.7630, 24.3380, 43.5220)  
contains.

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# Color

**YIQ(93.7630, 24.3380,  
43.5220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	903B8D
RGB	144, 59, 141
RGB Percent	56%, 23%, 55%
CMY	0.4350, 0.7688, 0.4470
CMYK	0.00, 0.59, 0.02, 0.44
HSL	302°, 42%, 40%
HSV	302°, 59%, 56%
XYZ	17.8834, 10.9827, 26.3799
YIQ	93.7630, 24.3380, 43.5220

# Conversions

## Conversions Part 2

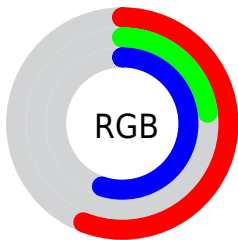
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 59, 141
Decimal	9452429
CIE <sub>Lab</sub>	39.55, 47.06, -28.90
CIE <sub>LCh</sub>	40, 55.231, 328.445
Yxy	10.9827, 0.3237, 0.1988
Android (android.graphics.Color)	4287642509 (0xFF903B8D)
YUV	93.7630, 23.2878, 44.0578
Hunter-Lab	33.1402, 38.3282, -23.9973

# Details

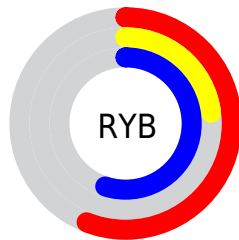
The YIQ color **93.7630, 24.3380, 43.5220** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **109.2370, -24.3380, -43.5220**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.1870, 26.0800, 44.9920**, and **37.4690, 25.3460, 47.2820** is the 20% darker color. If you saturate the color by 10%, you get **85.4310, 28.5090, 50.5330**, and if you desaturate by 10%, it is **102.0950, 20.1670, 36.5110**.

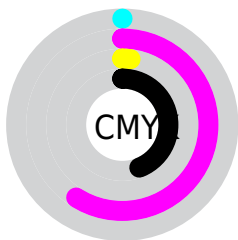
# Distribution



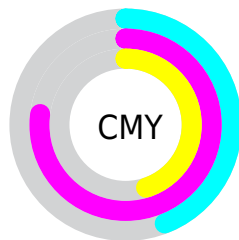
- Red (56%)
- Green (23%)
- Blue (55%)



- Red (56%)
- Yellow (23%)
- Blue (55%)



- Cyan (0%)
- Magenta (59%)
- Yellow (2%)
- Black (44%)



- Cyan (44%)
- Magenta (77%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.7630, 24.3380, 43.5220 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 93.7630, 24.3380, 43.5220 by changing the saturation by 10% instead.



93.7630, 24.3380,  
43.5220

93.7630, 24.3380,  
43.5220

255.0000, -0.0000,  
-0.0000

66.8770, 24.0170,  
43.8330

147.1870, 26.0800,  
44.9920

37.4690, 25.3460,  
47.2820

174.8990, 26.9510,  
45.7270

27.0730, 17.2330,  
34.6170

201.8280, 25.7130,  
46.1370

18.1720, 12.1000,  
23.0120

218.6060, 17.0500,  
32.4260

2.5080, -7.0620,  
6.8420

235.6290, 9.0750,  
17.2590

0.0000, 0.0000,  
0.0000

252.6520, 1.1000,

2.0920

■ 93.7630, 24.3380,  
43.5220

■ 93.7630, 24.3380,  
43.5220

■ 85.4310, 28.5090,  
50.5330

■ 102.0950, 20.1670,  
36.5110

■ 76.6260, 32.6340,  
58.3780

■ 110.9000, 16.0420,  
28.6660

■ 68.2940, 36.8050,  
65.3890

■ 119.2320, 11.8710,  
21.6550

■ 59.4890, 40.9300,  
73.2340

■ 128.0370, 7.7460,  
13.8100

■ 58.9020, 41.2050,  
73.7570

■ 136.3690, 3.5750,  
6.7990

■ 144.5870, -0.2750,  
-0.5230

■ 153.5060, -4.7210,  
-8.0570

■ 161.7240, -8.5710,  
-15.3790

■ 170.6430,  
-13.0170, -22.9130

# Harmonies

## Analogous

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



92.9720, -28.0190, 28.7250



93.7630, 24.3380, 43.5220



86.3570, 57.7160, 44.3400

# Triad

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



93.7630, 24.3380, 43.5220



87.2150, 43.7900, -22.6900



81.7210, -74.4100, -17.1140

# Complementary

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



93.7630, 24.3380, 43.5220



109.2370, -24.3380, -43.5220

# 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.



76.4770, -59.6440, -31.4200



93.7630, 24.3380, 43.5220



81.6900, 13.9910, -38.8170

# Square

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



93.7630, 24.3380, 43.5220



87.7270, 66.4360, -3.5800



69.3580, -43.7320, -44.4680



83.3630, -84.5450, -4.1370



# Rectangle

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



93.7630, 24.3380, 43.5220



85.0080, 68.5840, 34.6000



69.3580, -43.7320, -44.4680



80.0110, -69.5950, -21.7790

# Sweetspot

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



93.7630, 24.3380, 43.5220



166.5150, 9.3960, 16.9480



69.5870, -25.4970, 27.0710



82.2600, 5.5000, 10.4600



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



93.7630, 24.3380, 43.5220



107.9460, 37.9050, 67.4810



88.9750, 37.8200, 30.4600



66.8910, 1.9250, 3.6610



55.1850, 38.7300, 69.0500



3.1900, 2.5210, 3.8730



# Inverse Universe

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



93.7630, 24.3380, 43.5220



107.9460, 37.9050, 67.4810



114.0250, -37.8200, -30.4600



66.8910, 1.9250, 3.6610



55.1850, 38.7300, 69.0500



3.1900, 2.5210, 3.8730



# Previews

## White Background



This preview shows how the YIQ color 93.7630, 24.3380, 43.5220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

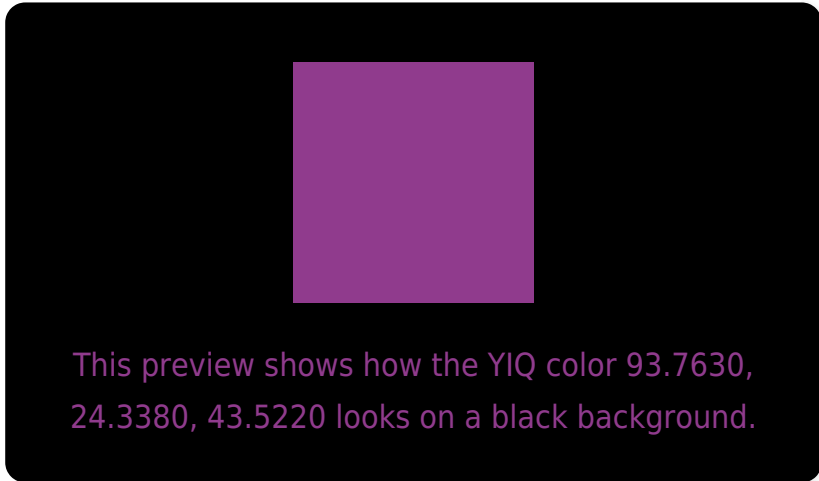
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

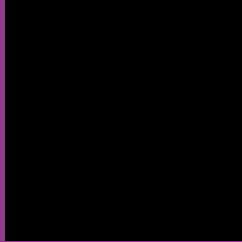
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.7630, 24.3380, 43.5220**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.7630, 24.3380, 43.5220.



This preview shows how white text looks on a background with the YIQ color 93.7630, 24.3380,



# 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

93.7630, 24.3380, 43.5220

### Protanopia

89.5410, -46.2190, 17.1490

### Deuteranopia

93.3030, -22.4220, 9.8820



## Tritanopia

94.2220, 35.0260, 15.0100

# Trichromacy



## Original Color

93.7630, 24.3380, 43.5220

## Protanomaly

90.8110, -20.3160, 26.7880

## Deuteranomaly

93.6630, -5.4600, 21.8680

## Tritanomaly

94.1050, 31.4020, 25.6260

# Monochromacy



## Original Color

93.7630, 24.3380, 43.5220

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.6890, 8.8460, 15.9020

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.7630, 24.3380, 43.5220 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(144, 59, 141)` looks like.

```
.text, #text, p{  
    color:rgb(144, 59, 141)  
}
```

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(144, 59, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 59, 141) }
```

## Border

The CSS property to change the border of an element to YIQ 93.7630, 24.3380, 43.5220 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(144, 59, 141) }
```



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

```
.border{ border-color:rgb(144, 59, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 59, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 59, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 59, 141);  
box-shadow:4px 4px 4px 4px rgb(144, 59,  
141) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.7630, 24.3380, 43.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 59, 141) }
```

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

```
.background{ background-color: rgb(144, 59,  
141) }
```

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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