

# Converting Colors

YIQ(96.8230, 24.1090, 42.1650)

Have a look what the booklet for  
YIQ(96.8230, 24.1090, 42.1650)  
contains.

<b>YIQ(96.8230, 24.1090, 42.1650)</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(96.8230, 24.1090,  
42.1650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	923F8E
RGB	146, 63, 142
RGB Percent	57%, 25%, 56%
CMY	0.4272, 0.7531, 0.4431
CMYK	0.00, 0.57, 0.03, 0.43
HSL	303°, 40%, 41%
HSV	303°, 57%, 57%
XYZ	18.5240, 11.6212, 26.8614
YIQ	96.8230, 24.1090, 42.1650

# Conversions

## Conversions Part 2

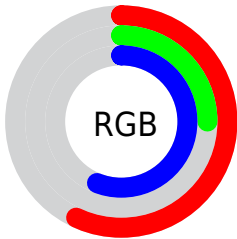
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 63, 142
Decimal	9584526
CIE <sub>Lab</sub>	40.61, 45.89, -27.84
CIE <sub>LCh</sub>	41, 53.675, 328.762
Yxy	11.6212, 0.3249, 0.2039
Android (android.graphics.Color)	4287774606 (0xFF923F8E)
YUV	96.8230, 22.2723, 43.1282
Hunter-Lab	34.0899, 37.3372, -22.8552

# Details

The YIQ color **96.8230, 24.1090, 42.1650** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **112.1770, -24.1090, -42.1650**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.2470, 25.8510, 43.6350**, and **39.9420, 25.3920, 46.4480** is the 20% darker color. If you saturate the color by 10%, you get **87.9040, 28.5550, 49.6990**, and if you desaturate by 10%, it is **105.7420, 19.6630, 34.6310**.

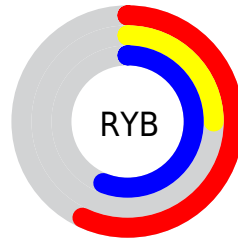
# Distribution



Red (57%)

Green (25%)

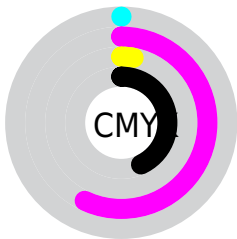
Blue (56%)



Red (57%)

Yellow (25%)

Blue (56%)

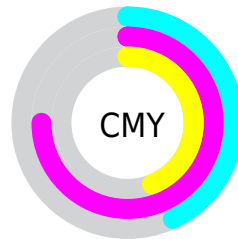


Cyan (0%)

Magenta (57%)

Yellow (3%)

Black (43%)



Cyan (43%)

Magenta (75%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.8230, 24.1090, 42.1650 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 96.8230, 24.1090, 42.1650 by changing the saturation by 10% instead.



96.8230, 24.1090,  
42.1650

96.8230, 24.1090,  
42.1650

255.0000, -0.0000,  
-0.0000

70.5240, 23.5130,  
41.9530

150.2470, 25.8510,  
43.6350

39.9420, 25.3920,  
46.4480

177.9590, 26.7220,  
44.3700

27.6710, 18.4250,  
35.0410

204.2900, 24.2920,  
44.3560

18.5850, 12.3750,  
23.5350

220.9540, 15.9500,  
30.3340

2.9210, -6.7870,  
7.3650

237.9770, 7.9750,  
15.1670

0.0000, 0.0000,  
0.0000

■ 96.8230, 24.1090,  
42.1650

■ 96.8230, 24.1090,  
42.1650

■ 87.9040, 28.5550,  
49.6990

■ 105.7420, 19.6630,  
34.6310

■ 79.6860, 32.4050,  
57.0210

■ 113.9600, 15.8130,  
27.3090

■ 70.7670, 36.8510,  
64.5550

■ 122.8790, 11.3670,  
19.7750

■ 62.4350, 41.0220,  
71.5660

■ 131.2110, 7.1960,  
12.7640

■ 59.5000, 42.3970,  
74.1810


■ 140.1300, 2.7500,  
5.2300

■ 148.9350, -1.3750,  
-2.6150

■ 157.2670, -5.5460,  
-9.6260

■ 166.1860, -9.9920,

-17.1600

 174.4040,  
-13.8420, -24.4820

# Harmonies

## Analogous

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



96.2280, -25.8640, 28.2160



96.8230, 24.1090, 42.1650



90.5910, 56.9370, 41.9370

# Triad

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



96.8230, 24.1090, 42.1650



89.5740, 44.1570, -23.8350



83.1230, -75.6020, -17.5380

# Complementary

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



96.8230, 24.1090, 42.1650



112.1770, -24.1090, -42.1650

# 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.



78.1070, -61.4780, -31.2220



96.8230, 24.1090, 42.1650



83.7610, 15.2290, -39.2270

# Square

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



96.8230, 24.1090, 42.1650



90.5850, 63.9600, -2.7600



71.1020, -45.8870, -43.9590



84.6510, -85.4160, -4.8720



# Rectangle

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



96.8230, 24.1090, 42.1650



89.0570, 66.8880, 32.2960



71.1020, -45.8870, -43.9590



82.1140, -71.3830, -22.4150

# Sweetspot

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



96.8230, 24.1090, 42.1650



169.9880, 9.4420, 16.1140



73.3590, -24.8550, 26.4490



82.7330, 5.5460, 9.6260



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.



96.8230, 24.1090, 42.1650



112.4790, 37.7220, 65.2900



92.2630, 36.9490, 29.7250



69.8910, 1.9250, 3.6610



56.1960, 40.1970, 69.9970



4.1300, 2.7500, 5.2300



# Inverse Universe

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



96.8230, 24.1090, 42.1650



112.4790, 37.7220, 65.2900



116.7370, -36.9490, -29.7250



69.8910, 1.9250, 3.6610



56.1960, 40.1970, 69.9970



4.1300, 2.7500, 5.2300



# Previews

## White Background



This preview shows how the YIQ color 96.8230, 24.1090, 42.1650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

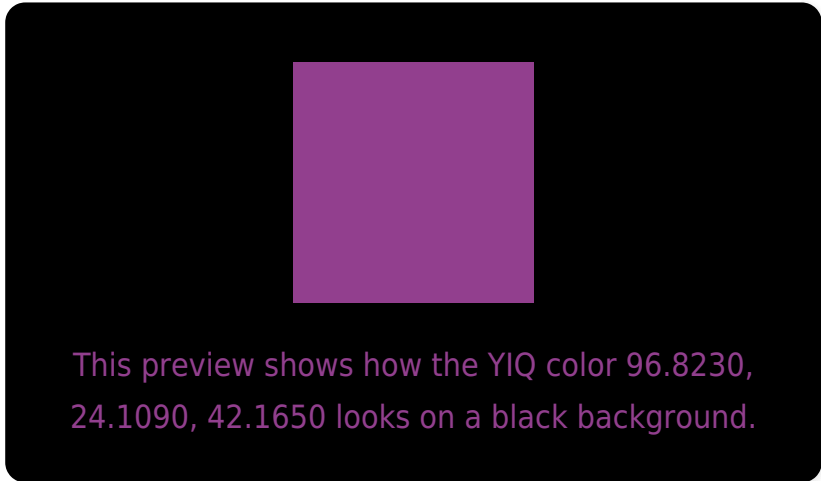
Any Text WCAG AA ✓ Pass

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

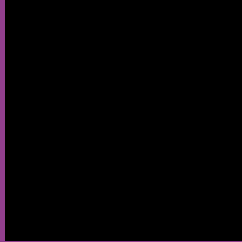
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 96.8230, 24.1090, 42.1650

## Background



This preview shows how black text looks on a background with the YIQ color 96.8230, 24.1090, 42.1650.



This preview shows how white text looks on a background with the YIQ color 96.8230, 24.1090,



# 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

96.8230, 24.1090, 42.1650

### Protanopia

92.9820, -43.1470, 16.5410

### Deuteranopia

95.9010, -21.2300, 10.3060



## Tritanopia

96.9230, 34.4300, 14.7980

# Trichromacy



## Original Color

96.8230, 24.1090, 42.1650

## Protanomaly

94.6540, -18.4360, 25.7560

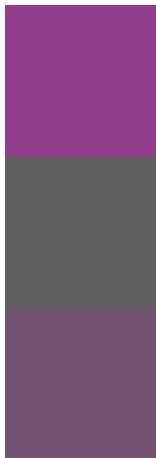
## Deuteranomaly

95.9620, -4.8640, 22.0800

## Tritanomaly

97.2790, 30.8520, 24.5800

# Monochromacy



## Original Color

96.8230, 24.1090, 42.1650

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

97.1620, 8.8920, 15.0680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.8230, 24.1090, 42.1650 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(146, 63, 142)` looks like.

```
.text, #text, p{  
    color:rgb(146, 63, 142)  
}
```

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(146, 63, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 63, 142) }
```

## Border

The CSS property to change the border of an element to YIQ 96.8230, 24.1090, 42.1650 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(146, 63, 142) }
```



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

```
.border{ border-color:rgb(146, 63, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 63, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 63, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 63, 142);  
box-shadow:4px 4px 4px 4px rgb(146, 63,  
142) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.8230, 24.1090, 42.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 63, 142) }
```

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

```
.background{ background-color: rgb(146, 63,  
142) }
```

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