

# Converting Colors

YIQ(71.9480, 25.2550, 43.4230)

Have a look what the booklet for  
YIQ(71.9480, 25.2550, 43.4230)  
contains.

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# Color

**YIQ(71.9480, 25.2550,  
43.4230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B2576
RGB	123, 37, 118
RGB Percent	48%, 15%, 46%
CMY	0.5174, 0.8550, 0.5372
CMYK	0.00, 0.70, 0.04, 0.52
HSL	304°, 54%, 31%
HSV	304°, 70%, 48%
XYZ	12.1087, 6.8449, 17.8255
YIQ	71.9480, 25.2550, 43.4230

# Conversions

## Conversions Part 2

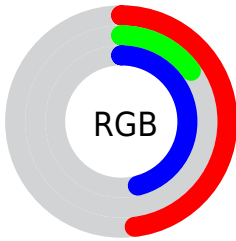
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 37, 118
Decimal	8070518
CIE <sub>Lab</sub>	31.45, 47.06, -27.60
CIE <sub>LCh</sub>	31, 54.553, 329.610
Y <sub>xy</sub>	6.8449, 0.3292, 0.1861
Android (android.graphics.Color)	4286260598 (0xFF7B2576)
YUV	71.9480, 22.7036, 44.7726
Hunter-Lab	26.1627, 36.8292, -22.0823

# Details

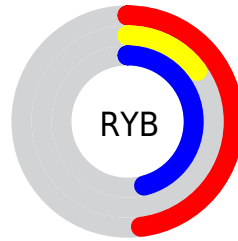
The YIQ color **71.9480, 25.2550, 43.4230** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **88.0520, -25.2550, -43.4230**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **125.5460, 26.4470, 43.8470**, and **29.0950, 20.1670, 36.5110** is the 20% darker color. If you saturate the color by 10%, you get **64.7900, 28.8760, 49.3880**, and if you desaturate by 10%, it is **79.1060, 21.6340, 37.4580**.

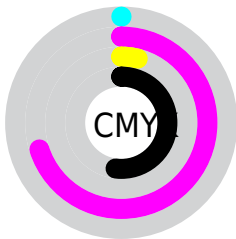
# Distribution



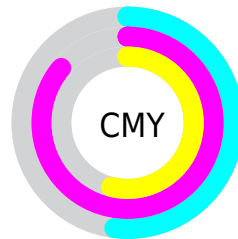
- Red (48%)
- Green (15%)
- Blue (46%)



- Red (48%)
- Yellow (15%)
- Blue (46%)



- Cyan (0%)
- Magenta (70%)
- Yellow (4%)
- Black (52%)



- Cyan (52%)
- Magenta (86%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.9480, 25.2550, 43.4230 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 71.9480, 25.2550, 43.4230 by changing the saturation by 10% instead.



71.9480, 25.2550,  
43.4230

71.9480, 25.2550,  
43.4230

255.0000, -0.0000,  
-0.0000

41.3660, 27.1340,  
47.9180

125.5460, 26.4470,  
43.8470

29.0950, 20.1670,  
36.5110

152.2580, 27.3180,  
44.5820

19.7100, 13.5210,  
24.7930

179.9700, 28.1890,  
45.3170

6.4380, -0.8730,  
10.3190

205.1050, 23.3750,  
44.4550

0.0000, 0.0000,  
0.0000

221.5410, 15.6750,  
29.8110

238.5640, 7.7000,

14.6440

■ 71.9480, 25.2550,  
43.4230

■ 71.9480, 25.2550,  
43.4230

■ 64.7900, 28.8760,  
49.3880

■ 79.1060, 21.6340,  
37.4580

■ 57.1590, 32.4510,  
56.1870

■ 86.7370, 18.0590,  
30.6590

■ 50.0010, 36.0720,  
62.1520

■ 93.8950, 14.4380,  
24.6940

■ 101.0530, 10.8170,  
18.7290

■ 108.7980, 6.9210,  
12.2410

■ 115.8420, 3.6210,  
5.9650

■ 123.0000, -0.0000,  
-0.0000

■ 130.1580, -3.6210,  
-5.9650

■ 137.9030, -7.5170,  
-12.4530

# Harmonies

## Analogous

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



73.7010, -25.8180, 27.3820



71.9480, 25.2550, 43.4230



58.8890, 59.2740, 49.1460

# Triad

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



71.9480, 25.2550, 43.4230



69.7720, 35.0320, -18.1520



67.1140, -62.2150, -12.3510

# Complementary

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



71.9480, 25.2550, 43.4230



88.0520, -25.2550, -43.4230

# 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.



62.2120, -48.4120, -25.7240



71.9480, 25.2550, 43.4230



63.3720, 6.3790, -33.0210

# Square

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



71.9480, 25.2550, 43.4230



68.7740, 59.0540, -1.9540



55.2070, -32.8210, -38.4610



69.1150, -71.9830, -0.5190



# Rectangle

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



71.9480, 25.2550, 43.4230



60.5780, 66.9790, 36.1550



55.2070, -32.8210, -38.4610



65.6320, -58.0420, -16.3940

# Sweetspot

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



71.9480, 25.2550, 43.4230



140.8140, 9.9920, 17.1600



48.0000, -25.2220, 27.5940



69.4450, 6.4170, 10.3610



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



71.9480, 25.2550, 43.4230



80.8430, 39.6930, 68.1170



67.1600, 38.7370, 30.3610



57.4780, 1.6500, 3.1380



50.8270, 36.6220, 63.1980



102.4800, 73.7940, 127.4420



# Inverse Universe

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



71.9480, 25.2550, 43.4230



80.8430, 39.6930, 68.1170



92.8400, -38.7370, -30.3610



57.4780, 1.6500, 3.1380



50.8270, 36.6220, 63.1980



102.4800, 73.7940, 127.4420



# Previews

## White Background



This preview shows how the YIQ color 71.9480, 25.2550, 43.4230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

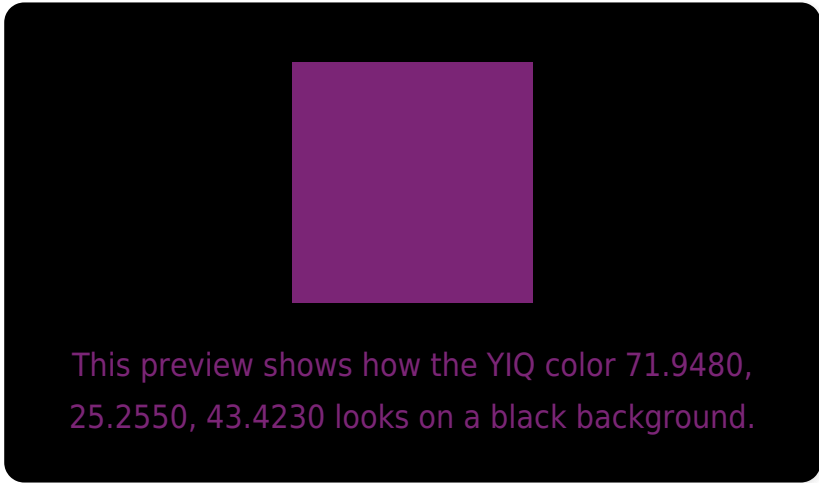
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

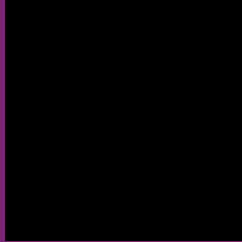
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 71.9480, 25.2550, 43.4230**

## **Background**



This preview shows how black text looks on a background with the YIQ color 71.9480, 25.2550, 43.4230.



This preview shows how white text looks on a background with the YIQ color 71.9480, 25.2550,



# 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

71.9480, 25.2550, 43.4230

### Protanopia

66.6430, -55.4340, 13.4460

### Deuteranopia

74.1350, -22.0090, 7.9030



## Tritanopia

74.6950, 35.0720, 14.1760

# Trichromacy



**Original Color**

71.9480, 25.2550, 43.4230

**Protanomaly**

68.7070, -25.9550, 24.3570

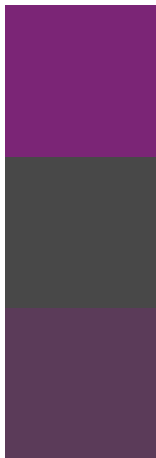
**Deuteranomaly**

73.3210, -4.4970, 20.9350

**Tritanomaly**

73.5780, 31.4480, 24.7920

# Monochromacy



**Original Color**

71.9480, 25.2550, 43.4230

**Achromatopsia**

72.0000, -0.0000, 0.0000

**Achromatomaly**

71.9880, 9.4420, 16.1140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.9480, 25.2550, 43.4230 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(123, 37, 118)` looks like.

```
.text, #text, p{  
    color:rgb(123, 37, 118)  
}
```

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(123, 37, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 37, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 71.9480, 25.2550, 43.4230 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(123, 37, 118) }
```



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

```
.border{ border-color:rgb(123, 37, 118) }
```

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

Here you see how a box with a 4 pixel rgb(123, 37, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 37, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 37, 118);  
box-shadow:4px 4px 4px 4px rgb(123, 37,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 71.9480, 25.2550, 43.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 37, 118) }
```

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

```
.background{ background-color: rgb(123, 37,  
118) }
```

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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