

# Converting Colors

YIQ(46.0050, 38.2760, 44.2280)

Have a look what the booklet for  
YIQ(46.0050, 38.2760, 44.2280)  
contains.

<b>YIQ(46.0050, 38.2760, 44.2280)</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(46.0050, 38.2760,  
44.2280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E074F
RGB	110, 7, 79
RGB Percent	43%, 3%, 31%
CMY	0.5683, 0.9727, 0.6901
CMYK	0.00, 0.94, 0.28, 0.57
HSL	318°, 88%, 23%
HSV	318°, 94%, 43%
XYZ	7.9273, 4.0356, 7.7630
YIQ	46.0050, 38.2760, 44.2280

# Conversions

## Conversions Part 2

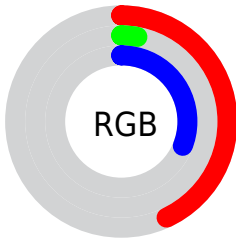
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 7, 79
Decimal	7210831
CIE <sub>Lab</sub>	23.79, 46.95, -14.33
CIE <sub>LCh</sub>	24, 49.091, 343.028
Yxy	4.0356, 0.4019, 0.2046
Android (android.graphics.Color)	4285400911 (0xFF6E074F)
YUV	46.0050, 16.2665, 56.1236
Hunter-Lab	20.0889, 35.2825, -8.8492

# Details

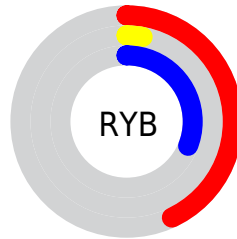
The YIQ color **46.0050, 38.2760, 44.2280** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **70.9950, -38.2760, -44.2280**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **103.8430, 38.5520, 39.2240**, and **21.3320, 23.3330, 23.1810** is the 20% darker color. If you saturate the color by 10%, you get **41.6680, 40.8430, 47.2670**, and if you desaturate by 10%, it is **52.8040, 34.2880, 39.4080**.

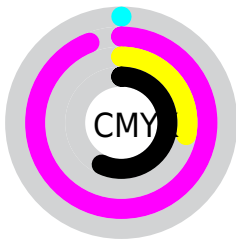
# Distribution



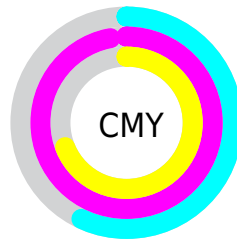
- Red (43%)
- Green (3%)
- Blue (31%)



- Red (43%)
- Yellow (3%)
- Blue (31%)



- Cyan (0%)
- Magenta (94%)
- Yellow (28%)
- Black (57%)



- Cyan (57%)
- Magenta (97%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 46.0050, 38.2760, 44.2280 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 46.0050, 38.2760, 44.2280 by changing the saturation by 10% instead.



46.0050, 38.2760,  
44.2280

46.0050, 38.2760,  
44.2280

255.0000, -0.0000,  
-0.0000

31.5000, 32.0880,  
35.2240

103.8430, 38.5520,  
39.2240

21.3320, 23.3330,  
23.1810

130.4410, 39.7440,  
39.6480

10.7080, 15.8620,  
9.8940

158.0390, 40.9360,  
40.0720

0.0000, 0.0000,  
0.0000


186.0500, 42.4030,  
41.0190


205.9880, 27.7780,  
36.2420


225.0630, 14.0250,


26.6730


 241.4990, 6.3250,  
12.0290


 46.0050, 38.2760,  
44.2280


 46.0050, 38.2760,  
44.2280


 41.6680, 40.8430,  
47.2670

 52.8040, 34.2880,  
39.4080

 59.7170, 29.9790,  
34.8990

 66.5160, 25.9910,  
30.0790

 73.3150, 22.0030,  
25.2590

 80.2280, 17.6940,  
20.7500

■ 87.0270, 13.7060,  
15.9300

■ 93.8260, 9.7180,  
11.1100

■ 100.7390, 5.4090,  
6.6010

■ 107.5380, 1.4210,  
1.7810

# Harmonies

## Analogous

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



57.0970, -0.5100, 31.2820



46.0050, 38.2760, 44.2280



40.3690, 57.4420, 38.2900

# Triad

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



46.0050, 38.2760, 44.2280



51.9640, 16.8760, -19.5080



53.8750, -53.8720, -3.8560

# Complementary

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



46.0050, 38.2760, 44.2280



70.9950, -38.2760, -44.2280

# 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.



50.4720, -42.9120, -15.2640



46.0050, 38.2760, 44.2280



40.2260, -16.6370, -34.4050

# Square

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



46.0050, 38.2760, 44.2280



53.6020, 38.9270, -6.1370



45.4390, -30.1180, -26.8700



53.9210, -59.5130, 4.7670



# Rectangle

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



46.0050, 38.2760, 44.2280



45.9430, 58.0410, 21.9210



45.4390, -30.1180, -26.8700



53.2080, -50.6160, -7.8000

# Sweetspot

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



46.0050, 38.2760, 44.2280



118.1520, 14.8520, 17.1880



28.0110, -14.5870, 38.6050



56.1140, 8.8470, 10.3750



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



46.0050, 38.2760, 44.2280



54.1570, 53.1280, 61.4160



40.1910, 54.6470, 28.3670



52.2500, 2.2920, 2.5160



45.4560, 44.5560, 51.5640



93.5750, 91.6790, 106.1670



# Inverse Universe

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



46.0050, 38.2760, 44.2280



54.1570, 53.1280, 61.4160



76.8090, -54.6470, -28.3670



52.2500, 2.2920, 2.5160



45.4560, 44.5560, 51.5640

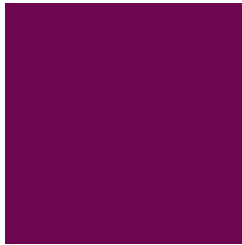


93.5750, 91.6790, 106.1670



# Previews

## White Background



This preview shows how the YIQ color 46.0050, 38.2760, 44.2280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

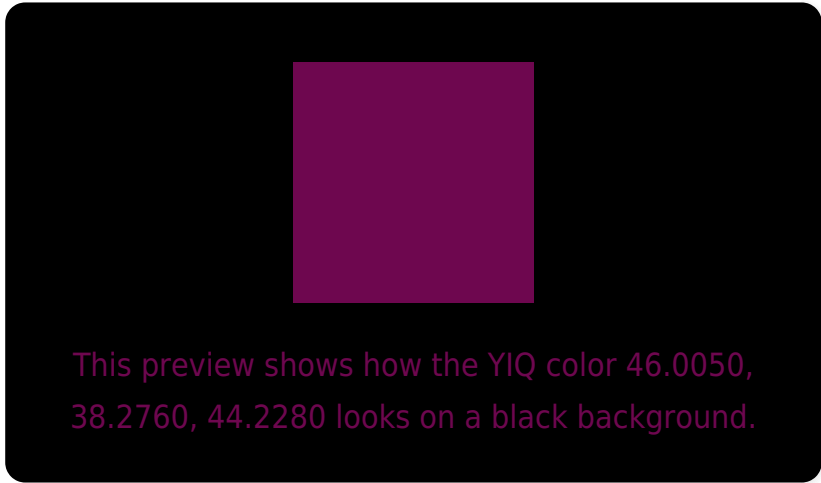
Any Text WCAG AA ✓ Pass

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

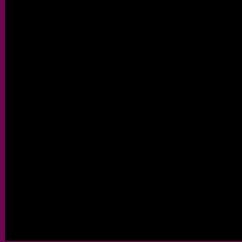
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 46.0050, 38.2760, 44.2280**

## **Background**



This preview shows how black text looks on a background with the YIQ color 46.0050, 38.2760, 44.2280.



This preview shows how white text looks on a background with the YIQ color 46.0050, 38.2760,



# 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

46.0050, 38.2760, 44.2280

### Protanopia

55.7840, -34.0220, 10.8580

### Deuteranopia

59.8240, -5.1360, 4.9760



## Tritanopia

54.5390, 44.3790, 16.2110

# Trichromacy



## Original Color

46.0050, 38.2760, 44.2280

## Protanomaly

51.9340, -7.6610, 23.2110

## Deuteranomaly

54.5800, 10.7710, 19.5630

## Tritanomaly

51.4930, 41.9930, 26.4170

# Monochromacy



## Original Color

46.0050, 38.2760, 44.2280

## Achromatopsia

46.0000, 0.0000, -0.0000

## Achromatomaly

46.0270, 13.7060, 15.9300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 46.0050, 38.2760, 44.2280 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(110, 7, 79)` looks like.

```
.text, #text, p{  
    color:rgb(110, 7, 79)  
}
```

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(110, 7, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 7, 79) }
```

## Border

The CSS property to change the border of an element to YIQ 46.0050, 38.2760, 44.2280 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(110, 7, 79) }
```



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

```
.border{ border-color:rgb(110, 7, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 7, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 7, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 7, 79);  
box-shadow:4px 4px 4px 4px rgb(110, 7, 79)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 46.0050, 38.2760, 44.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 7, 79) }
```

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

```
.background{ background-color: rgb(110, 7,  
79) }
```

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