

# Converting Colors

YUV(50.6780, 8.5397, 14.3144)

Have a look what the booklet for  
YUV(50.6780, 8.5397, 14.3144)  
contains.

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# Color

**YUV(50.6780, 8.5397,  
14.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	432744
RGB	67, 39, 68
RGB Percent	26%, 15%, 27%
CMY	0.7373, 0.8471, 0.7333
CMYK	0.01, 0.43, 0.00, 0.73
HSL	298°, 27%, 21%
HSV	298°, 43%, 27%
XYZ	4.0836, 3.0617, 5.8446
YIQ	50.6780, 7.3790, 14.9550

# Conversions

## Conversions Part 2

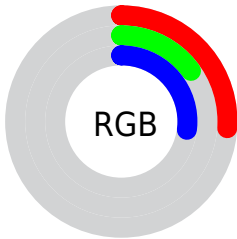
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	67, 39, 68
Decimal	4400964
CIE <sub>Lab</sub>	20.29, 18.70, -12.88
CIE <sub>LCh</sub>	20, 22.707, 325.452
Yxy	3.0617, 0.3144, 0.2357
Android (android.graphics.Color)	4282591044 (0xFF432744)
YUV	50.6780, 8.5397, 14.3144
Hunter-Lab	17.4977, 11.0378, -7.5557

# Details

The YUV color **50.6780, 8.5397, 14.3144** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **56.3220, -8.5397, -14.3144**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.8030, 8.9711, 15.9588**, and **10.7380, 7.5242, 13.3848** is the 20% darker color. If you saturate the color by 10%, you get **46.5690, 10.5655, 17.9180**, and if you desaturate by 10%, it is **54.7870, 6.5140, 10.7108**.

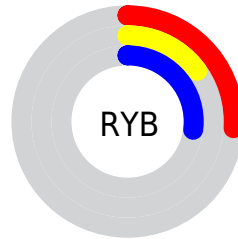
# Distribution



Red (26%)

Green (15%)

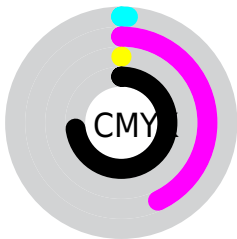
Blue (27%)



Red (26%)

Yellow (15%)

Blue (27%)

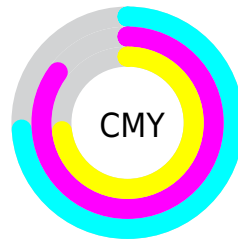


Cyan (1%)

Magenta (43%)

Yellow (0%)

Black (73%)



Cyan (74%)

Magenta (85%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.6780, 8.5397, 14.3144 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 YUV color 50.6780, 8.5397, 14.3144 by changing the saturation by 10% instead.



■ 50.6780, 8.5397,  
14.3144

■ 50.6780, 8.5397,  
14.3144

■ 255.0000, 0.0000,  
0.0000

■ 28.9660, 8.3978,  
13.1848

■ 97.8030, 8.9711,  
15.9588

■ 10.7380, 7.5242,  
13.3848

■ 122.6290, 9.5499,  
16.9884

■ 0.0000, 0.0000,  
0.0000

■ 148.6290, 9.5499,  
16.9884

■ 175.4550, 10.1287,  
18.0180

■ 202.7540, 9.9813,  
18.6327

■ 230.8680, 10.4181,

18.5328

249.1300, 2.8939,  
5.1480

50.6780, 8.5397,  
14.3144

50.6780, 8.5397,  
14.3144

46.5690, 10.5655,  
17.9180

54.7870, 6.5140,  
10.7108

42.4600, 12.5912,  
21.5216

58.8960, 4.4883,  
7.1072

38.6390, 14.4750,  
23.9956

62.7170, 2.6045,  
4.6332

34.5300, 16.5007,  
27.5992

66.8260, 0.5788,  
1.0296

30.4210, 18.5264,  
31.2028

70.9350, -1.4470,  
-2.5740

■ 27.4860, 19.9734,  
33.7768

■ 75.0440, -3.4727,  
-6.1776

■ 79.4520, -5.6458,  
-9.1664

■ 82.9740, -7.3822,  
-12.2552

■ 87.0830, -9.4079,  
-15.8588

# Harmonies

## Analogous

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



49.7620, 14.4143, -3.2993



50.6780, 8.5397, 14.3144



49.7950, 1.0871, 24.7358

# Triad

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



50.6780, 8.5397, 14.3144



47.4240, -16.4780, 11.9062



40.6410, 11.0230, -35.6422

# Complementary

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



50.6780, 8.5397, 14.3144



56.3220, -8.5397, -14.3144

# 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.



38.7030, 3.5974, -33.9425



50.6780, 8.5397, 14.3144



45.6180, -14.1087, -1.4190

# Square

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



50.6780, 8.5397, 14.3144



48.4020, -13.0162, 21.5724



43.3540, -7.0765, -16.9735



40.9490, 17.2801, -35.9123



# Rectangle

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



50.6780, 8.5397, 14.3144



49.1390, -4.0125, 27.0651



43.3540, -7.0765, -16.9735



39.9570, 8.4022, -35.0423

# Sweetspot

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



50.6780, 8.5397, 14.3144



82.5430, 3.1833, 5.6628



42.8930, 12.3778, -3.4142



41.8910, 2.0257, 3.6036



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



50.6780, 8.5397, 14.3144



62.2860, 13.1700, 22.5512



49.4950, 2.7140, 16.2289



31.2390, 0.8682, 1.5444



39.1640, 28.5131, 48.0912



90.4190, 65.8554, 111.0115



# Inverse Universe

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



47.7850, -3.8380, 17.7286



57.5690, -6.1965, 27.5650



57.5050, -2.7140, -16.2289



30.8970, -0.4422, 1.8443



29.3450, -12.9881, 59.3334



67.8880, -29.5248, 136.9102



# Previews

## White Background



This preview shows how the YUV color 50.6780, 8.5397, 14.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

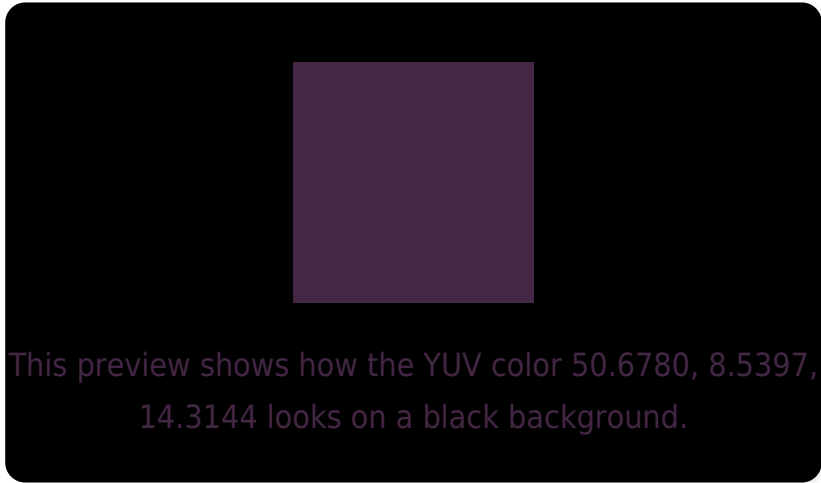
Any Text WCAG AA ✓ Pass

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

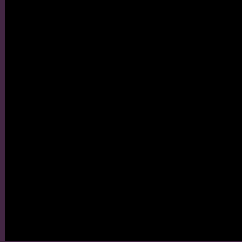
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 50.6780, 8.5397, 14.3144

## Background



This preview shows how black text looks on a background with the YUV color 50.6780, 8.5397, 14.3144.



This preview shows how white text looks on a background with the YUV color 50.6780, 8.5397,



# 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

50.6780, 8.5397, 14.3144

### Protanopia

49.3870, 13.1202, -8.2324

### Deuteranopia

49.7420, 8.0152, -4.1587



## Tritanopia

50.3220, -1.6377, 11.9956

# Trichromacy



## Original Color

50.6780, 8.5397, 14.3144

## Protanomaly

49.6870, 11.4933, 0.2745

## Deuteranomaly

49.9000, 8.4303, 2.7187

## Tritanomaly

50.3590, 2.2880, 12.8402

# Monochromacy



## Original Color

50.6780, 8.5397, 14.3144

## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

51.1300, 2.8939, 5.1480

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.6780, 8.5397, 14.3144 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(67, 39, 68)` looks like.

```
.text, #text, p{  
    color:rgb(67, 39, 68)  
}
```

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(67, 39, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 39, 68) }
```

## Border

The CSS property to change the border of an element to YUV 50.6780, 8.5397, 14.3144 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(67, 39, 68) }
```



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

```
.border{ border-color:rgb(67, 39, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 39, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 39, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 39, 68);  
box-shadow:4px 4px 4px 4px rgb(67, 39, 68)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.6780, 8.5397, 14.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 39, 68) }
```

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

```
.background{ background-color: rgb(67, 39,  
68) }
```

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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