

# Converting Colors

YUV(68.5840, 14.5021, 15.2738)

Have a look what the booklet for  
YUV(68.5840, 14.5021, 15.2738)  
contains.

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# Color

**YUV(68.5840, 14.5021,  
15.2738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	563662
RGB	86, 54, 98
RGB Percent	34%, 21%, 38%
CMY	0.6627, 0.7882, 0.6157
CMYK	0.12, 0.45, 0.00, 0.62
HSL	284°, 29%, 30%
HSV	284°, 45%, 38%
XYZ	7.3615, 5.4986, 12.2286
YIQ	68.5840, 4.9480, 20.4680

# Conversions

## Conversions Part 2

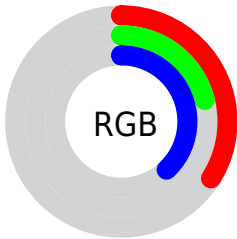
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 54, 98
Decimal	5650018
CIE <sub>Lab</sub>	28.11, 23.00, -20.44
CIE <sub>LCh</sub>	28, 30.771, 318.369
Yxy	5.4986, 0.2934, 0.2192
Android (android.graphics.Color)	4283840098 (0xFF563662)
YUV	68.5840, 14.5021, 15.2738
Hunter-Lab	23.4491, 15.0016, -14.5051

# Details

The YUV color **68.5840, 14.5021, 15.2738** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **83.4160, -14.5021, -15.2738**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.8230, 15.3703, 16.8182**, and **23.3450, 13.6339, 13.7294** is the 20% darker color. If you saturate the color by 10%, you get **61.8170, 17.8382, 18.5775**, and if you desaturate by 10%, it is **75.3510, 11.1660, 11.9702**.

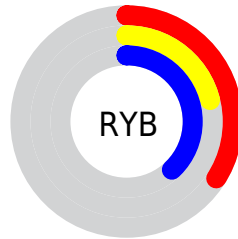
# Distribution



Red (34%)

Green (21%)

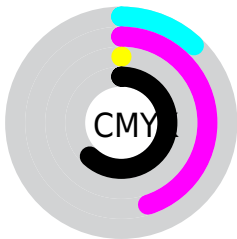
Blue (38%)



Red (34%)

Yellow (21%)

Blue (38%)

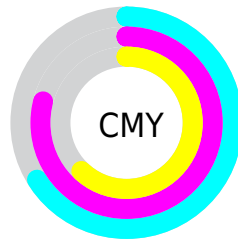


Cyan (12%)

Magenta (45%)

Yellow (0%)

Black (62%)



Cyan (66%)

Magenta (79%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.5840, 14.5021, 15.2738 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 68.5840, 14.5021, 15.2738 by changing the saturation by 10% instead.



■ 68.5840, 14.5021,  
15.2738

■ 68.5840, 14.5021,  
15.2738

■ 255.0000, 0.0000,  
0.0000

■ 45.7580, 13.9233,  
14.2442

■ 117.8230, 15.3703,  
16.8182

■ 23.3450, 13.6339,  
13.7294

■ 143.3500, 16.0965,  
17.2331

■ 8.5030, 10.5980,  
7.4519

■ 170.0620, 16.2384,  
18.3626

■ 0.0000, 0.0000,  
0.0000

■ 197.4750, 16.5278,  
18.8774

■ 225.0190, 14.7806,  
19.2773

■ 243.8470, 5.4984,

9.7812

■ 68.5840, 14.5021,  
15.2738

■ 68.5840, 14.5021,  
15.2738

■ 61.8170, 17.8382,  
18.5775

■ 75.3510, 11.1660,  
11.9702

■ 55.3490, 21.0269,  
22.4959

■ 81.8190, 7.9772,  
8.0517

■ 49.1690, 24.0737,  
25.2848

■ 87.9990, 4.9305,  
5.2629

■ 42.4020, 27.4098,  
28.5884

■ 94.7660, 1.5944,  
1.9592

■ 35.9340, 30.5985,  
32.5069

■ 101.2340, -1.5944,  
-1.9592

■ 32.4010, 32.3403,  
33.8513

■ 108.0010, -4.9305,  
-5.2629

■ 114.7680, -8.2666,  
-8.5665

■ 120.6490,  
-11.1660, -11.9702

■ 127.4160,  
-14.5021, -15.2738

# Harmonies

## Analogous

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



65.4710, 22.4458, -12.6911



68.5840, 14.5021, 15.2738



67.1750, 4.8437, 33.1725

# Triad

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



68.5840, 14.5021, 15.2738



64.4590, -22.9043, 19.7685



55.0200, 12.8081, -48.2525

# Complementary

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



68.5840, 14.5021, 15.2738



83.4160, -14.5021, -15.2738

# 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.



51.5830, 2.1776, -45.2383



68.5840, 14.5021, 15.2738



62.5770, -21.9765, 2.1250

# Square

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



68.5840, 14.5021, 15.2738



65.5560, -16.5431, 32.8384



58.8500, -12.7440, -19.1624



56.1260, 22.1229, -49.2225



# Rectangle

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



68.5840, 14.5021, 15.2738



66.2590, -2.5927, 38.3609



58.8500, -12.7440, -19.1624



53.9940, 8.8770, -47.3527

# Sweetspot

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



68.5840, 14.5021, 15.2738



116.5260, 5.6567, 5.6777



66.0600, 15.7464, -10.5766



57.2330, 3.3361, 3.3037



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



68.5840, 14.5021, 15.2738



81.8160, 22.7687, 23.8404



71.0320, 8.3652, 23.6509



45.3530, 1.3050, 1.4444



37.2860, 36.8340, 39.2142



79.3860, 79.1827, 82.9765



# Inverse Universe

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



68.5240, -1.2443, 25.8505



81.6830, -2.3087, 40.6200



80.9680, -8.3652, -23.6509



45.3100, -0.1528, 2.3591



37.0220, -2.9688, 65.7557



79.1700, -6.9858, 141.0479



# Previews

## White Background



This preview shows how the YUV color 68.5840, 14.5021, 15.2738 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



This preview shows how the YUV color 68.5840, 14.5021, 15.2738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

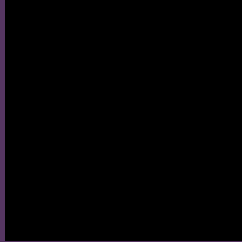
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.5840, 14.5021, 15.2738

## Background



This preview shows how black text looks on a background with the YUV color 68.5840, 14.5021, 15.2738.



This preview shows how white text looks on a background with the YUV color 68.5840, 14.5021,



# 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

68.5840, 14.5021, 15.2738

### Protanopia

65.4170, 20.9934, -13.5207

### Deuteranopia

66.4300, 14.5780, -9.1471



## Tritanopia

67.5500, -0.7641, 11.7957

# Trichromacy



## Original Color

68.5840, 14.5021, 15.2738

## Protanomaly

66.5000, 18.4875, -3.0695

## Deuteranomaly

67.4850, 14.5509, -0.4253

## Tritanomaly

67.7550, 5.0508, 13.3699

# Monochromacy



## Original Color

68.5840, 14.5021, 15.2738

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

69.1130, 5.3673, 5.1629

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.5840, 14.5021, 15.2738 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(86, 54, 98)` looks like.

```
.text, #text, p{  
    color:rgb(86, 54, 98)  
}
```

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(86, 54, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 54, 98) }
```

## Border

The CSS property to change the border of an element to YUV 68.5840, 14.5021, 15.2738 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(86, 54, 98) }
```



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

```
.border{ border-color:rgb(86, 54, 98) }
```

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

Here you see how a box with a 4 pixel rgb(86, 54, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 54, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 54, 98);  
box-shadow:4px 4px 4px 4px rgb(86, 54, 98)  
}
```

# Background

The CSS property to change the background color of an element to YUV 68.5840, 14.5021, 15.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 54, 98) }
```

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

```
.background{ background-color: rgb(86, 54,  
98) }
```

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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