

# Converting Colors

YUV(85.6570, 7.0711, 18.7178)

Have a look what the booklet for  
YUV(85.6570, 7.0711, 18.7178)  
contains.

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# Color

**YUV(85.6570, 7.0711,  
18.7178)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B4864
RGB	107, 72, 100
RGB Percent	42%, 28%, 39%
CMY	0.5804, 0.7176, 0.6078
CMYK	0.00, 0.33, 0.07, 0.58
HSL	312°, 20%, 35%
HSV	312°, 33%, 42%
XYZ	10.6810, 8.6806, 13.1692
YIQ	85.6570, 11.8720, 16.1280

# Conversions

## Conversions Part 2

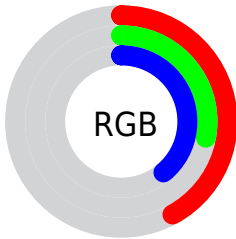
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 72, 100
Decimal	7030884
CIE Lab	35.36, 19.90, -10.35
CIE LCh	35, 22.428, 332.511
Yxy	8.6806, 0.3283, 0.2668
Android (android.graphics.Color)	4285220964 (0xFF6B4864)
YUV	85.6570, 7.0711, 18.7178
Hunter-Lab	29.4629, 13.1505, -5.8771

# Details

The YUV color **85.6570, 7.0711, 18.7178** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **93.3430, -7.0711, -18.7178**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.7820, 7.5025, 20.3622**, and **39.5320, 6.6397, 17.0734** is the 20% darker color. If you saturate the color by 10%, you get **78.9720, 9.3808, 24.5806**, and if you desaturate by 10%, it is **92.3420, 4.7614, 12.8551**.

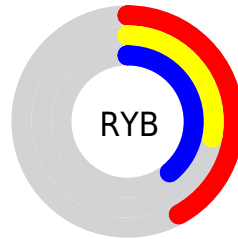
# Distribution



Red (42%)

Green (28%)

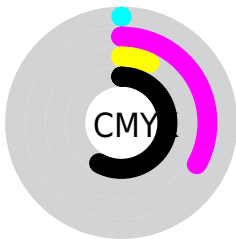
Blue (39%)



Red (42%)

Yellow (28%)

Blue (39%)

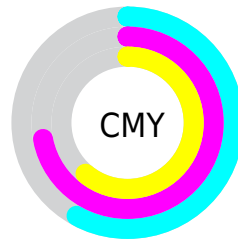


Cyan (0%)

Magenta (33%)

Yellow (7%)

Black (58%)



Cyan (58%)

Magenta (72%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.6570, 7.0711, 18.7178 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 85.6570, 7.0711, 18.7178 by changing the saturation by 10% instead.



■ 85.6570, 7.0711,  
18.7178

■ 85.6570, 7.0711,  
18.7178

■ 255.0000, 0.0000,  
0.0000

■ 61.9450, 6.9291,  
17.5882

■ 135.7820, 7.5025,  
20.3622

■ 39.5320, 6.6397,  
17.0734

■ 162.1950, 7.7919,  
20.8770

■ 17.6460, 7.0765,  
16.9735

■ 189.4940, 7.6445,  
21.4918

■ 0.6840, 2.6208,  
-0.5999

■ 217.2060, 7.7864,  
22.6213

■ 0.0000, 0.0000,  
0.0000

■ 239.7380, 7.5242,  
13.3848

85.6570, 7.0711,  
18.7178

85.6570, 7.0711,  
18.7178

78.9720, 9.3808,  
24.5806

92.3420, 4.7614,  
12.8551

72.8740, 11.4011,  
29.9285

98.4400, 2.7411,  
7.5071

66.1890, 13.7108,  
35.7912

105.1250, 0.4314,  
1.6444

59.3900, 15.5837,  
41.7540

111.9240, -1.4415,  
-4.3183

52.7050, 17.8934,  
47.6167

118.6090, -3.7512,  
-10.1811

46.6070, 19.9137,  
52.9647


124.7070, -5.7716,  
-15.5290

41.7970, 21.7921,  
57.1830

131.3920, -8.0813,  
-21.3918

138.0770,

-10.3910, -27.2545

 144.1750,  
-12.4113, -32.6025

# Harmonies

## Analogous

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



84.6810, 13.9613, 2.0338



85.6570, 7.0711, 18.7178



84.8340, -1.3972, 28.2096

# Triad

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



85.6570, 7.0711, 18.7178



82.1850, -17.3462, 10.3618



67.7250, 16.8976, -53.2558

# Complementary

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



85.6570, 7.0711, 18.7178



93.3430, -7.0711, -18.7178

# 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.



72.8380, 5.5029, -38.4459



85.6570, 7.0711, 18.7178



80.0090, -13.8084, -4.3929

# Square

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



85.6570, 7.0711, 18.7178



82.8320, -15.2002, 22.0723



76.7880, -5.3185, -20.8621



73.6110, 19.9118, -40.0008



# Rectangle

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



85.6570, 7.0711, 18.7178



84.3520, -7.0755, 29.5093



76.7880, -5.3185, -20.8621



68.8240, 13.3978, -50.7116

# Sweetspot

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



85.6570, 7.0711, 18.7178



131.4400, 2.7411, 7.5071



78.0830, 14.2561, 0.8042



66.1900, 1.8783, 4.2184



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.



85.6570, 7.0711, 18.7178



107.0480, 10.8223, 28.8989



83.7190, -0.3545, 20.4174



50.2500, 0.8628, 3.2887



45.6990, 23.8124, 62.5310



95.5990, 49.4977, 131.0247



# Inverse Universe

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



85.6570, 7.0711, 18.7178



107.0480, 10.8223, 28.8989



95.3950, 0.7913, -20.5174



50.2500, 0.8628, 3.2887



45.6990, 23.8124, 62.5310



95.5990, 49.4977, 131.0247



# Previews

## White Background



This preview shows how the YUV color 85.6570, 7.0711, 18.7178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

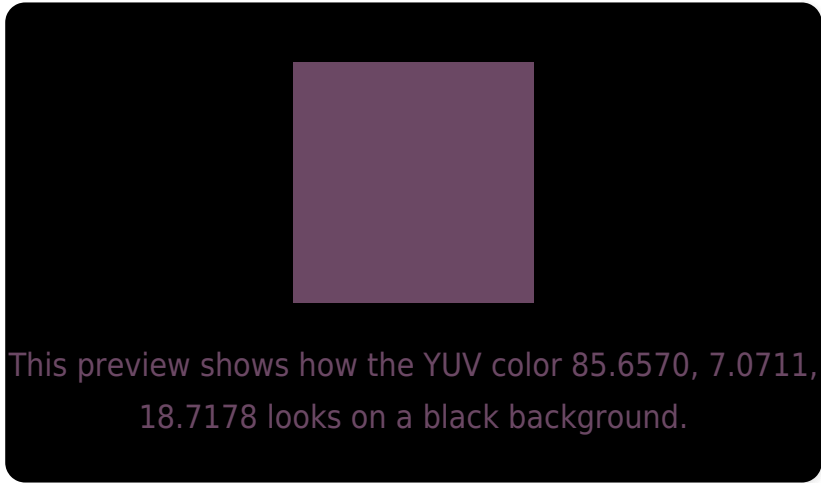
Any Text WCAG AA ✓ Pass

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

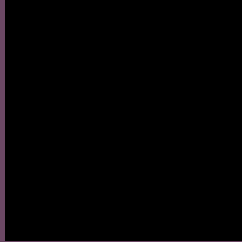
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 85.6570, 7.0711, 18.7178**

## **Background**



This preview shows how black text looks on a background with the YUV color 85.6570, 7.0711, 18.7178.



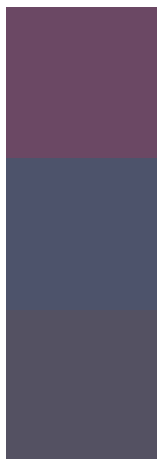
This preview shows how white text looks on a background with the YUV color 85.6570, 7.0711, 18.7178.



# 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

85.6570, 7.0711, 18.7178

### Protanopia

83.9420, 11.3676, -6.0881

### Deuteranopia

83.8350, 6.9833, 0.1447



## Tritanopia

85.2410, -2.0908, 17.3286

# Trichromacy



## Original Color

85.6570, 7.0711, 18.7178

## Protanomaly

84.5410, 9.5933, 3.0335

## Deuteranomaly

84.5800, 7.1091, 6.5073

## Tritanomaly

85.7510, 1.1088, 17.7584

# Monochromacy



## Original Color

85.6570, 7.0711, 18.7178

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

86.0270, 2.4517, 6.9923

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.6570, 7.0711, 18.7178 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(107, 72, 100)` looks like.

```
.text, #text, p{  
    color:rgb(107, 72, 100)  
}
```

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(107, 72, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 72, 100) }
```

## Border

The CSS property to change the border of an element to YUV 85.6570, 7.0711, 18.7178 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(107, 72, 100) }
```



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

```
.border{ border-color:rgb(107, 72, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 72, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 72, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 72, 100);  
box-shadow:4px 4px 4px 4px rgb(107, 72,  
100) }
```

# Background

The CSS property to change the background color of an element to YUV 85.6570, 7.0711, 18.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 72, 100) }
```

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

```
.background{ background-color: rgb(107, 72,  
100) }
```

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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