

# Converting Colors

YUV(83.4600, 12.5912, 21.5216)

Have a look what the booklet for  
YUV(83.4600, 12.5912, 21.5216)  
contains.

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# Color

**YUV(83.4600, 12.5912,  
21.5216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C426D
RGB	108, 66, 109
RGB Percent	42%, 26%, 43%
CMY	0.5765, 0.7412, 0.5725
CMYK	0.01, 0.39, 0.00, 0.57
HSL	299°, 25%, 34%
HSV	299°, 39%, 43%
XYZ	10.8929, 8.1887, 15.4745
YIQ	83.4600, 11.2290, 22.2770

# Conversions

## Conversions Part 2

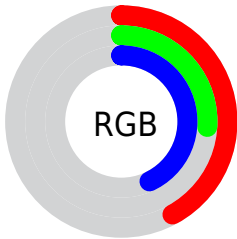
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 66, 109
Decimal	7094893
CIE <sub>Lab</sub>	34.37, 25.74, -17.52
CIE <sub>LCh</sub>	34, 31.141, 325.761
Yxy	8.1887, 0.3152, 0.2370
Android (android.graphics.Color)	4285284973 (0xFF6C426D)
YUV	83.4600, 12.5912, 21.5216
Hunter-Lab	28.6159, 17.8696, -12.0308

# Details

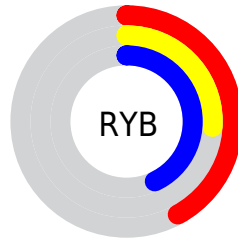
The YUV color **83.4600, 12.5912, 21.5216** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **91.5400, -12.5912, -21.5216**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.6990, 13.4594, 23.0660**, and **36.9220, 11.8705, 19.3624** is the 20% darker color. If you saturate the color by 10%, you get **77.0030, 15.7745, 27.1844**, and if you desaturate by 10%, it is **89.9170, 9.4079, 15.8588**.

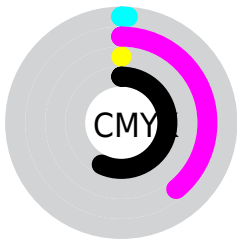
# Distribution



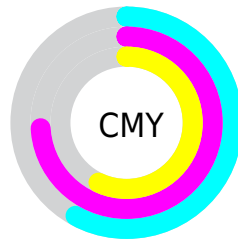
- Red (42%)
- Green (26%)
- Blue (43%)



- Red (42%)
- Yellow (26%)
- Blue (43%)



- Cyan (1%)
- Magenta (39%)
- Yellow (0%)
- Black (57%)



- Cyan (58%)
- Magenta (74%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.4600, 12.5912, 21.5216 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 83.4600, 12.5912, 21.5216 by changing the saturation by 10% instead.



83.4600, 12.5912,  
21.5216

83.4600, 12.5912,  
21.5216

255.0000, 0.0000,  
0.0000

59.7480, 12.4492,  
20.3920

133.6990, 13.4594,  
23.0660

36.9220, 11.8705,  
19.3624

160.4110, 13.6014,  
24.1956

15.5090, 11.5811,  
18.8476

187.1230, 13.7434,  
25.3251

1.9380, 7.4256,  
-1.6996

215.2370, 14.1802,  
25.2252

0.0000, 0.0000,  
0.0000

236.2160, 9.2605,  
16.4736

253.2390, 0.8682,

1.5444

■ 83.4600, 12.5912,  
21.5216

■ 83.4600, 12.5912,  
21.5216

■ 77.0030, 15.7745,  
27.1844

■ 89.9170, 9.4079,  
15.8588

■ 70.2470, 19.1052,  
32.2324

■ 96.6730, 6.0772,  
10.8108

■ 63.7900, 22.2885,  
37.8952

■ 103.1300, 2.8939,  
5.1480

■ 57.3330, 25.4718,  
43.5580

■ 109.5870, -0.2894,  
-0.5148

■ 51.4630, 28.3657,  
48.7059

■ 116.0440, -3.4727,  
-6.1776

■ 44.7070, 31.6964,  
53.7540

■ 122.2130, -6.5140,  
-10.7108

■ 44.1200, 31.9858,  
54.2688

■ 128.6700, -9.6973,  
-16.3736

■ 135.1270,  
-12.8806, -22.0364

■ 141.5840,  
-16.0639, -27.6992

# Harmonies

## Analogous

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



81.8850, 21.2557, -4.2841



83.4600, 12.5912, 21.5216



81.9860, 1.4859, 36.8463

# Triad

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



83.4600, 12.5912, 21.5216



78.5080, -23.9144, 17.0945



66.2190, 17.6400, -58.0741

# Complementary

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



83.4600, 12.5912, 21.5216



91.5400, -12.5912, -21.5216

# 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.



63.2550, 6.2833, -55.4746



83.4600, 12.5912, 21.5216



76.4840, -20.9446, -2.1785

# Square

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



83.4600, 12.5912, 21.5216



80.0460, -19.7427, 32.4087



72.2020, -9.9596, -25.6102



66.6240, 26.8074, -58.4292



# Rectangle

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



83.4600, 12.5912, 21.5216



81.0590, -5.9451, 40.2903



72.2020, -9.9596, -25.6102



65.1930, 13.7089, -57.1743

# Sweetspot

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



83.4600, 12.5912, 21.5216



132.7220, 5.0671, 8.1368



71.4890, 18.4929, -4.8139



65.1300, 2.8939, 5.1480



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.



83.4600, 12.5912, 21.5216



103.0730, 19.6840, 33.2620



81.4790, 3.7079, 24.1359



50.1790, 1.8838, 2.4740



47.7230, 34.1536, 59.0019



99.3910, 71.7852, 122.4371



# Inverse Universe

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



78.9710, -5.9017, 26.3354



96.1470, -9.4395, 41.0901



93.5210, -3.7079, -24.1359



49.7940, -0.8844, 3.6887



35.3250, -15.9362, 71.6290

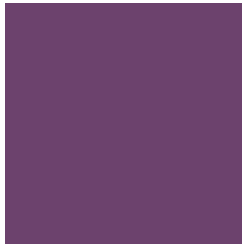


73.9390, -33.4939, 150.0205



# Previews

## White Background



This preview shows how the YUV color 83.4600, 12.5912, 21.5216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

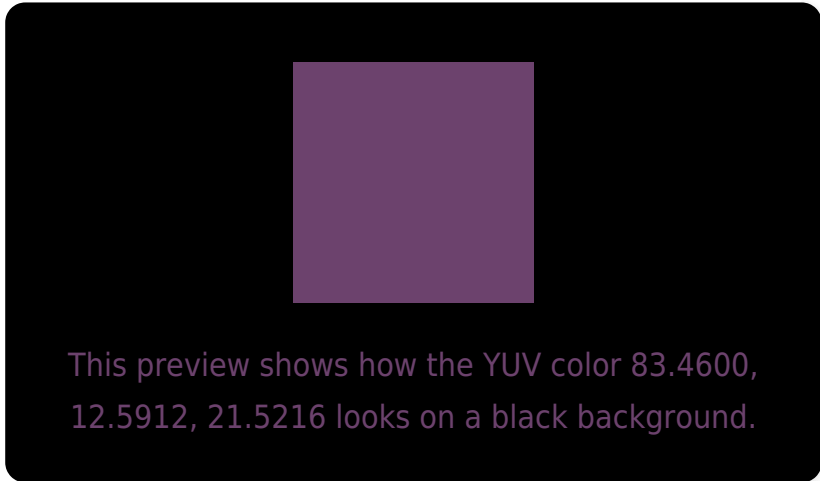
Any Text WCAG AA ✓ Pass

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

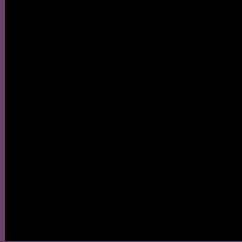
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.4600, 12.5912, 21.5216

## Background



This preview shows how black text looks on a background with the YUV color 83.4600, 12.5912, 21.5216.



This preview shows how white text looks on a background with the YUV color 83.4600, 12.5912,



# 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

83.4600, 12.5912, 21.5216

### Protanopia

80.9720, 19.2408, -11.3764

### Deuteranopia

81.4690, 12.0938, -5.6733



## Tritanopia

82.8390, -2.3856, 18.5582

# Trichromacy



## Original Color

83.4600, 12.5912, 21.5216

## Protanomaly

82.0660, 16.7295, 0.8191

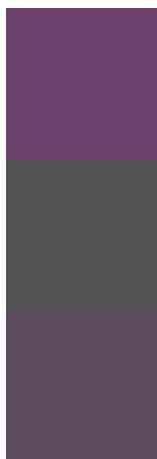
## Deuteranomaly

82.2360, 12.2087, 4.1780

## Tritanomaly

82.6310, 3.1399, 19.6176

# Monochromacy



## Original Color

83.4600, 12.5912, 21.5216

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

83.1950, 4.3409, 7.7220

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.4600, 12.5912, 21.5216 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(108, 66, 109)` looks like.

```
.text, #text, p{  
    color:rgb(108, 66, 109)  
}
```

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(108, 66, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 66, 109) }
```

## Border

The CSS property to change the border of an element to YUV 83.4600, 12.5912, 21.5216 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(108, 66, 109) }
```



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

```
.border{ border-color:rgb(108, 66, 109) }
```

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

Here you see how a box with a 4 pixel rgb(108, 66, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 66, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 66, 109);  
box-shadow:4px 4px 4px 4px rgb(108, 66,  
109) }
```

# Background

The CSS property to change the background color of an element to YUV 83.4600, 12.5912, 21.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 66, 109) }
```

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

```
.background{ background-color: rgb(108, 66,  
109) }
```

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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