

# Converting Colors

YUV(83.0420, 13.2903, 30.6582)

Have a look what the booklet for  
YUV(83.0420, 13.2903, 30.6582)  
contains.

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# Color

**YUV(83.0420, 13.2903,  
30.6582)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	763C6E
RGB	118, 60, 110
RGB Percent	46%, 24%, 43%
CMY	0.5373, 0.7647, 0.5686
CMYK	0.00, 0.49, 0.07, 0.54
HSL	308°, 33%, 35%
HSV	308°, 49%, 46%
XYZ	11.9015, 8.2091, 15.7091
YIQ	83.0420, 18.5180, 27.8460

# Conversions

## Conversions Part 2

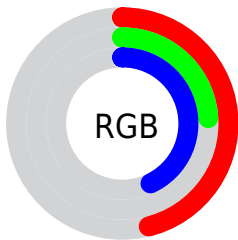
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 60, 110
Decimal	7748718
CIE Lab	34.41, 32.84, -17.97
CIE LCh	34, 37.438, 331.307
Yxy	8.2091, 0.3323, 0.2292
Android (android.graphics.Color)	4285938798 (0xFF763C6E)
YUV	83.0420, 13.2903, 30.6582
Hunter-Lab	28.6515, 24.0072, -12.4516

# Details

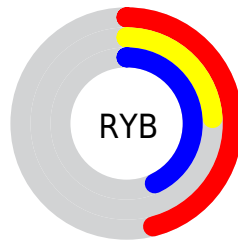
The YUV color **83.0420, 13.2903, 30.6582** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **94.9580, -13.2903, -30.6582**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.4660, 13.5743, 32.9173**, and **33.8570, 13.8745, 29.9434** is the 20% darker color. If you saturate the color by 10%, you get **75.7700, 15.8894, 37.0357**, and if you desaturate by 10%, it is **90.3140, 10.6912, 24.2806**.

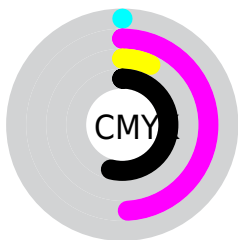
# Distribution



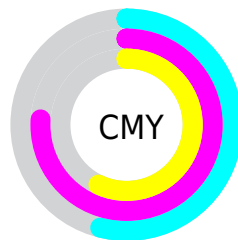
- Red (46%)
- Green (24%)
- Blue (43%)



- Red (46%)
- Yellow (24%)
- Blue (43%)



- Cyan (0%)
- Magenta (49%)
- Yellow (7%)
- Black (54%)



- Cyan (54%)
- Magenta (76%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.0420, 13.2903, 30.6582 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 83.0420, 13.2903, 30.6582 by changing the saturation by 10% instead.



83.0420, 13.2903,  
30.6582

83.0420, 13.2903,  
30.6582

255.0000, 0.0000,  
0.0000

58.4440, 13.5851,  
29.4286

134.4660, 13.5743,  
32.9173

33.8570, 13.8745,  
29.9434

160.2920, 14.1530,  
33.9469

18.0150, 10.8386,  
23.6658

188.0040, 14.2950,  
35.0765

6.0530, 6.3829,  
6.0925

215.7050, 14.4424,  
34.4617

0.0000, 0.0000,  
0.0000

233.2810, 10.7075,  
19.0476

249.7170, 2.6045,

4.6332

■ 83.0420, 13.2903,  
30.6582

■ 83.0420, 13.2903,  
30.6582

■ 75.7700, 15.8894,  
37.0357

■ 90.3140, 10.6912,  
24.2806

■ 68.6120, 18.9253,  
43.3133

■ 97.4720, 7.6553,  
18.0031

■ 61.9270, 21.2350,  
49.1760

■ 104.1570, 5.3456,  
12.1403

■ 54.6550, 23.8341,  
55.5536

■ 111.4290, 2.7465,  
5.7628

■ 47.4970, 26.8700,  
61.8311

■ 118.5870, -0.2894,  
-0.5148

■ 46.9100, 27.1594,  
62.3459

■ 125.8590, -2.8885,  
-6.8923

■ 133.0170, -5.9244,  
-13.1699

■ 139.7020, -8.2341,  
-19.0327

■ 146.9740,  
-10.8332, -25.4102

# Harmonies

## Analogous

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



82.1290, 24.5864, 0.7639



83.0420, 13.2903, 30.6582



80.4110, 0.2904, 46.9976

# Triad

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



83.0420, 13.2903, 30.6582



77.1890, -30.1662, 15.6202



68.4190, 20.9924, -60.0035

# Complementary

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



83.0420, 13.2903, 30.6582



94.9580, -13.2903, -30.6582

# 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.



64.9990, 7.8885, -57.0041



83.0420, 13.2903, 30.6582



74.0550, -23.6911, -7.9412

# Square

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



83.0420, 13.2903, 30.6582



79.2760, -25.2791, 34.8379



65.7870, -7.2900, -41.9092



68.5790, 31.7596, -60.1438



# Rectangle

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



83.0420, 13.2903, 30.6582



79.6040, -9.1718, 48.5823



65.7870, -7.2900, -41.9092



67.3930, 17.0613, -59.1037

# Sweetspot

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



83.0420, 13.2903, 30.6582



139.1570, 5.3456, 12.1403



69.0040, 24.1550, -0.8805



68.5540, 3.1779, 7.4071



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000



# Same Dimension

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



83.0420, 13.2903, 30.6582



98.8020, 20.8036, 47.5316



79.7360, 0.6232, 33.5575



55.3640, 1.2995, 3.1888



48.5620, 28.3169, 64.4051



99.2600, 57.0598, 132.1990



# Inverse Universe

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



83.0420, 13.2903, 30.6582



98.8020, 20.8036, 47.5316



98.2640, -0.6232, -33.5575



55.3640, 1.2995, 3.1888



48.5620, 28.3169, 64.4051

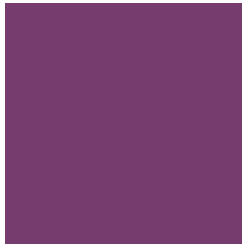


99.2600, 57.0598, 132.1990



# Previews

## White Background



This preview shows how the YUV color 83.0420, 13.2903, 30.6582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

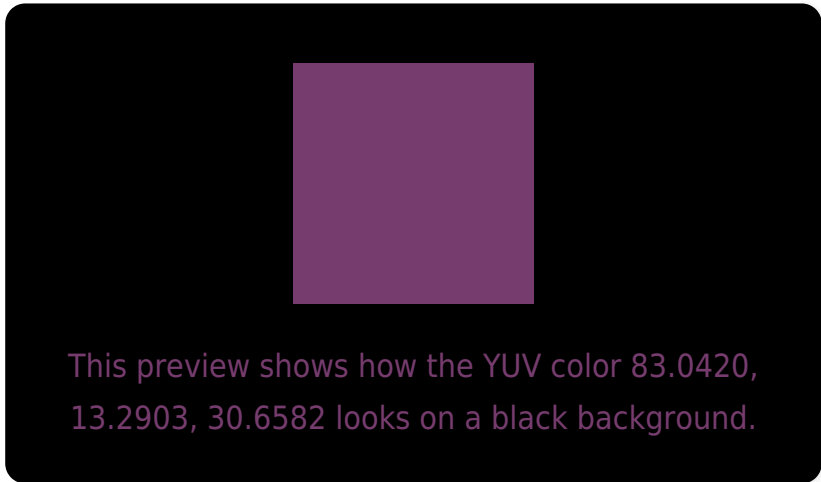
Any Text WCAG AA ✓ Pass

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

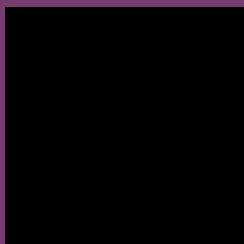
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.0420, 13.2903, 30.6582

## Background



This preview shows how black text looks on a background with the YUV color 83.0420, 13.2903, 30.6582.



This preview shows how white text looks on a background with the YUV color 83.0420, 13.2903,



# 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

83.0420, 13.2903, 30.6582

### Protanopia

80.7590, 22.3038, -13.8206

### Deuteranopia

81.7680, 11.9464, -5.0585



## Tritanopia

82.3240, -4.5967, 27.7799

# Trichromacy



## Original Color

83.0420, 13.2903, 30.6582

## Protanomaly

81.6470, 18.9080, 2.0636

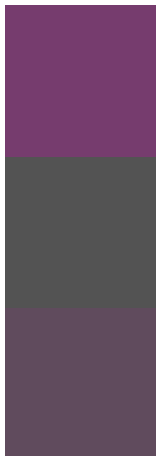
## Deuteranomaly

82.2580, 12.1978, 7.6667

## Tritanomaly

82.3440, 1.8024, 28.6393

# Monochromacy



## Original Color

83.0420, 13.2903, 30.6582

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

83.3310, 4.7668, 11.1107

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.0420, 13.2903, 30.6582 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(118, 60, 110)` looks like.

```
.text, #text, p{  
    color:rgb(118, 60, 110)  
}
```

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(118, 60, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 60, 110) }
```

## Border

The CSS property to change the border of an element to YUV 83.0420, 13.2903, 30.6582 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(118, 60, 110) }
```



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

```
.border{ border-color:rgb(118, 60, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 60, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 60, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 60, 110);  
box-shadow:4px 4px 4px 4px rgb(118, 60,  
110) }
```

# Background

The CSS property to change the background color of an element to YUV 83.0420, 13.2903, 30.6582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 60, 110) }
```

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

```
.background{ background-color: rgb(118, 60,  
110) }
```

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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