

# Converting Colors

YUV(87.4900, 3.7024, 25.8803)

Have a look what the booklet for  
YUV(87.4900, 3.7024, 25.8803)  
contains.

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# Color

**YUV(87.4900, 3.7024,  
25.8803)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75475F
RGB	117, 71, 95
RGB Percent	46%, 28%, 37%
CMY	0.5412, 0.7216, 0.6275
CMYK	0.00, 0.39, 0.19, 0.54
HSL	329°, 24%, 37%
HSV	329°, 39%, 46%
XYZ	11.6549, 9.1146, 11.9715
YIQ	87.4900, 19.7120, 17.2160

# Conversions

## Conversions Part 2

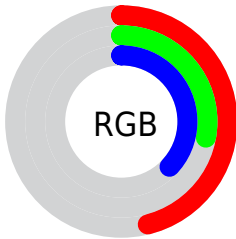
Format	Color
<b>R<sub>YB</sub></b>	117, 71, 95
Decimal	7685983
CIE Lab	36.20, 23.39, -5.81
CIE LCh	36, 24.098, 346.057
Yxy	9.1146, 0.3560, 0.2784
Android (android.graphics.Color)	4285876063 (0xFF75475F)
YUV	87.4900, 3.7024, 25.8803
Hunter-Lab	30.1904, 16.0762, -2.3771

# Details

The YUV color **87.4900, 3.7024, 25.8803** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **100.5100, -3.7024, -25.8803**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.8000, 3.5496, 28.2394**, and **40.2940, 4.2921, 23.4212** is the 20% darker color. If you saturate the color by 10%, you get **79.7620, 4.5543, 32.6577**, and if you desaturate by 10%, it is **95.2180, 2.8505, 19.1028**.

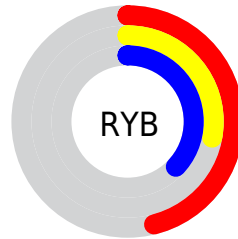
# Distribution



Red (46%)

Green (28%)

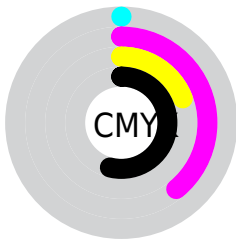
Blue (37%)



Red (46%)

Yellow (28%)

Blue (37%)

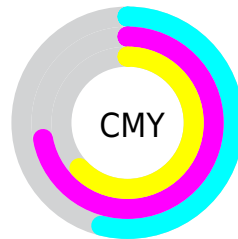


Cyan (0%)

Magenta (39%)

Yellow (19%)

Black (54%)



Cyan (54%)

Magenta (72%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.4900, 3.7024, 25.8803 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 87.4900, 3.7024, 25.8803 by changing the saturation by 10% instead.




 87.4900, 3.7024,  
25.8803


 87.4900, 3.7024,  
25.8803

255.0000, 0.0000,  
0.0000


 63.7780, 3.5604,  
24.7507


 137.8000, 3.5496,  
28.2394


 40.2940, 4.2921,  
23.4212


 164.5120, 3.6916,  
29.3690

 18.1090, 4.8763,  
22.7064

 191.8110, 3.5442,  
29.9838

 5.0830, -2.5059,  
10.4512

 220.1100, 3.3968,  
30.5985

 0.0000, 0.0000,  
0.0000

 239.7380, 7.5242,  
13.3848

87.4900, 3.7024,  
25.8803

87.4900, 3.7024,  
25.8803

79.7620, 4.5543,  
32.6577

95.2180, 2.8505,  
19.1028

72.7350, 5.5536,  
38.8204

102.2450, 1.8512,  
12.9401

65.0070, 6.4055,  
45.5979

109.9730, 0.9993,  
6.1627

57.3930, 7.6943,  
52.2753

117.5870, -0.2894,  
-0.5148

49.6650, 8.5462,  
59.0528

125.3150, -1.1413,  
-7.2923

42.5240, 9.1087,  
65.3155

132.4560, -1.7038,  
-13.5549

41.9370, 9.3981,  
65.8303

140.0700, -2.9925,  
-20.2324

147.7980, -3.8444,

-27.0098

■ 154.8250, -4.8437,  
-33.1725

# Harmonies

## Analogous

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



87.2800, 12.1870, 11.1554



87.4900, 3.7024, 25.8803



86.4170, -5.6286, 32.0833

# Triad

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



87.4900, 3.7024, 25.8803



82.4400, -17.4719, 3.9991



67.9460, 21.7186, -59.5886

# Complementary

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



87.4900, 3.7024, 25.8803



100.5100, -3.7024, -25.8803

# 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.



67.7910, 13.4140, -55.9447



87.4900, 3.7024, 25.8803



80.3500, -11.0185, -12.5849

# Square

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



87.4900, 3.7024, 25.8803



84.7130, -18.0995, 18.6687



76.2750, -0.6286, -31.8132



78.3990, 21.4953, -34.5529



# Rectangle

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



87.4900, 3.7024, 25.8803



86.2120, -11.4435, 30.5091



76.2750, -0.6286, -31.8132



67.9630, 19.2452, -59.6036

# Sweetspot

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



87.4900, 3.7024, 25.8803



141.4080, 1.2779, 10.1662



82.5230, 16.9972, 8.3113



69.8590, 0.5625, 6.2627



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.



87.4900, 3.7024, 25.8803



106.8600, 5.9850, 40.4648



84.9820, -5.9071, 28.0798



55.1360, 0.4260, 3.3887



43.7740, 9.9714, 68.6042



89.5700, 19.9320, 140.6971



# Inverse Universe

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



87.4900, 3.7024, 25.8803



106.8600, 5.9850, 40.4648



103.0180, 5.9071, -28.0798



55.1360, 0.4260, 3.3887



43.7740, 9.9714, 68.6042

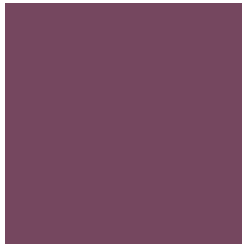


89.5700, 19.9320, 140.6971



# Previews

## White Background



This preview shows how the YUV color 87.4900, 3.7024, 25.8803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

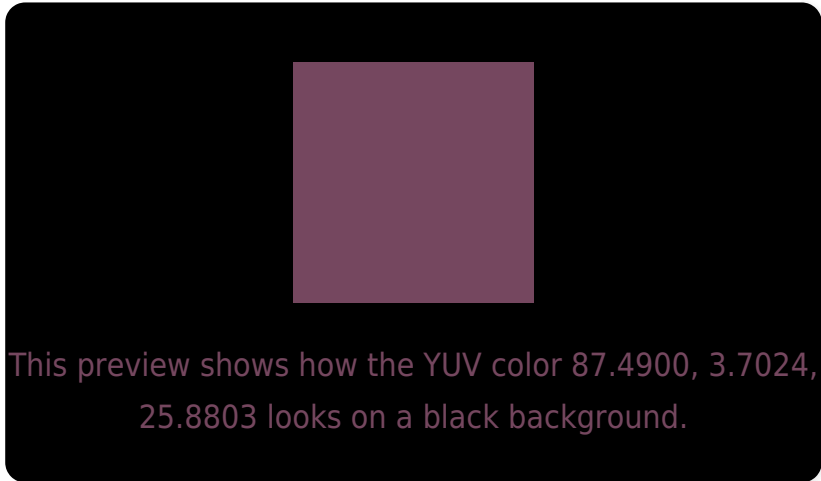
Any Text WCAG AA ✓ Pass

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

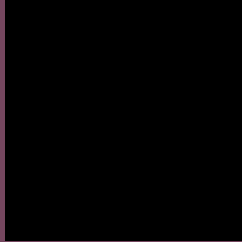
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.4900, 3.7024, 25.8803

## Background



This preview shows how black text looks on a background with the YUV color 87.4900, 3.7024, 25.8803.



This preview shows how white text looks on a background with the YUV color 87.4900, 3.7024,



# 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

87.4900, 3.7024, 25.8803

### Protanopia

85.9700, 8.8888, -4.3587

### Deuteranopia

86.5320, 3.1887, 3.9184



## Tritanopia

86.8290, -3.8597, 24.7060

# Trichromacy



## Original Color

87.4900, 3.7024, 25.8803

## Protanomaly

86.5800, 7.1091, 6.5073

## Deuteranomaly

86.9890, 3.4564, 11.4106

## Tritanomaly

87.2250, -1.0969, 25.2357

# Monochromacy



## Original Color

87.4900, 3.7024, 25.8803

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.1090, 1.4253, 9.5514

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.4900, 3.7024, 25.8803 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(117, 71, 95)` looks like.

```
.text, #text, p{  
    color:rgb(117, 71, 95)  
}
```

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(117, 71, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 71, 95) }
```

## Border

The CSS property to change the border of an element to YUV 87.4900, 3.7024, 25.8803 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(117, 71, 95) }
```



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

```
.border{ border-color:rgb(117, 71, 95) }
```

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

Here you see how a box with a 4 pixel rgb(117, 71, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 71, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 71, 95);  
box-shadow:4px 4px 4px 4px rgb(117, 71,  
95) }
```

# Background

The CSS property to change the background color of an element to YUV 87.4900, 3.7024, 25.8803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 71, 95) }
```

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

```
.background{ background-color: rgb(117, 71,  
95) }
```

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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