

# Converting Colors

YUV(70.8870, 21.7477, 24.6551)

Have a look what the booklet for  
YUV(70.8870, 21.7477, 24.6551)  
contains.

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# Color

**YUV(70.8870, 21.7477,  
24.6551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	633073
RGB	99, 48, 115
RGB Percent	39%, 19%, 45%
CMY	0.6118, 0.8118, 0.5490
CMYK	0.14, 0.58, 0.00, 0.55
HSL	286°, 41%, 32%
HSV	286°, 58%, 45%
XYZ	9.2971, 6.0044, 16.8886
YIQ	70.8870, 8.8890, 31.6490

# Conversions

## Conversions Part 2

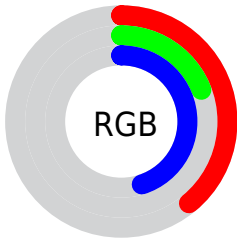
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 48, 115
Decimal	6500467
CIE <sub>Lab</sub>	29.42, 34.59, -29.14
CIE <sub>LCh</sub>	29, 45.227, 319.883
Yxy	6.0044, 0.2888, 0.1865
Android (android.graphics.Color)	4284690547 (0xFF633073)
YUV	70.8870, 21.7477, 24.6551
Hunter-Lab	24.5038, 24.8436, -23.7114




# Details

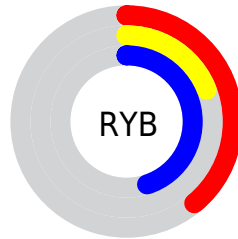
The YUV color **70.8870, 21.7477, 24.6551** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **92.1130, -21.7477, -24.6551**, and the grayscale version is **71.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **121.4250, 22.4685, 26.8143**, and **22.1750, 21.6057, 23.5255** is the 20% darker color. If you saturate the color by 10%, you get **63.5330, 25.3732, 28.4736**, and if you desaturate by 10%, it is **78.8280, 17.8328, 20.3218**.

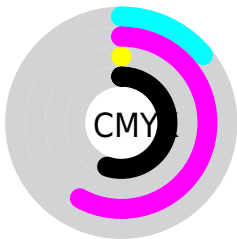
# Distribution







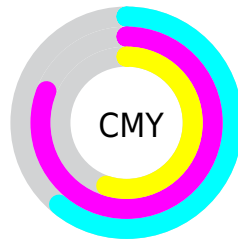
-  Red (39%)
-  Green (19%)
-  Blue (45%)






-  Red (39%)
-  Yellow (19%)
-  Blue (45%)



-  Cyan (14%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (61%)
-  Magenta (81%)
-  Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.8870, 21.7477, 24.6551 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 70.8870, 21.7477, 24.6551 by changing the saturation by 10% instead.



70.8870, 21.7477,  
24.6551

70.8870, 21.7477,  
24.6551

255.0000, 0.0000,  
0.0000

46.4740, 21.4583,  
24.1403

121.4250, 22.4685,  
26.8143

22.1750, 21.6057,  
23.5255

147.3650, 23.4841,  
27.7439

14.2850, 14.6495,  
14.6591

174.7780, 23.7734,  
28.2587

3.0950, 9.3202,  
-2.7143

202.4900, 23.9154,  
29.3883

0.0000, 0.0000,  
0.0000

224.4760, 15.0483,  
26.7695

241.4990, 6.6560,

11.8404

■ 70.8870, 21.7477,  
24.6551

■ 70.8870, 21.7477,  
24.6551

■ 63.5330, 25.3732,  
28.4736

■ 78.8280, 17.8328,  
20.3218

■ 55.8910, 29.1407,  
33.4216

■ 85.8830, 14.3547,  
15.8886

■ 47.9500, 33.0557,  
37.7549

■ 93.8240, 10.4398,  
11.5554

■ 40.5960, 36.6812,  
41.5733

■ 101.1780, 6.8142,  
7.7369

■ 39.4220, 37.2600,  
42.6029

■ 109.1190, 2.8993,  
3.4036

■ 116.1740, -0.5788,  
-1.0296

■ 124.1150, -4.4937,  
-5.3629

■ 131.4690, -8.1192,  
-9.1813

■ 139.4100,  
-12.0341, -13.5146

# Harmonies

## Analogous

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



65.3200, 34.8452, -23.0826



70.8870, 21.7477, 24.6551



65.0340, 8.8572, 52.5902

# Triad

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



70.8870, 21.7477, 24.6551



65.9730, -32.5247, 25.4567



60.3830, 15.5872, -52.9559

# Complementary

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



70.8870, 21.7477, 24.6551



92.1130, -21.7477, -24.6551

# 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.



55.6920, 0.1518, -48.8419



70.8870, 21.7477, 24.6551



62.8620, -30.9910, 0.1210

# Square

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



70.8870, 21.7477, 24.6551



65.1680, -24.7328, 46.3337



52.4040, -16.4682, -38.0653



62.7430, 29.7067, -55.0256



# Rectangle

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



70.8870, 21.7477, 24.6551



62.9180, -1.9316, 59.7079



52.4040, -16.4682, -38.0653



59.0150, 10.3456, -51.7562

# Sweetspot

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



70.8870, 21.7477, 24.6551



133.5310, 8.1192, 9.1813



65.6170, 24.3458, -15.4501



66.4120, 5.2199, 5.7777



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.



70.8870, 21.7477, 24.6551



80.8900, 34.0712, 38.6845



73.7330, 11.9636, 36.1912



54.8800, 2.0312, 1.8592



41.7150, 39.5805, 44.9769



85.3100, 81.1922, 91.8131



# Inverse Universe

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



69.8570, -2.8875, 39.5904



79.2450, -4.5578, 62.0521



89.2670, -11.9636, -36.1912



54.9080, -0.4476, 3.5887



39.7840, -5.3165, 72.1034

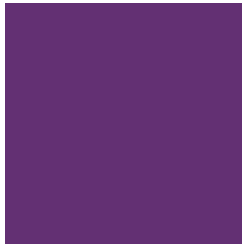


81.5900, -10.6439, 147.6956



# Previews

## White Background



This preview shows how the YUV color 70.8870, 21.7477, 24.6551 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 70.8870, 21.7477, 24.6551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

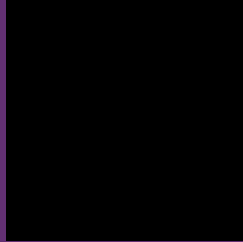
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.8870, 21.7477, 24.6551

## Background



This preview shows how black text looks on a background with the YUV color 70.8870, 21.7477, 24.6551.



This preview shows how white text looks on a background with the YUV color 70.8870, 21.7477,



# 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

70.8870, 21.7477, 24.6551

### Protanopia

64.7600, 34.1353, -28.7305

### Deuteranopia

67.7970, 21.2991, -18.2390



## Tritanopia

70.8390, -2.3856, 18.5582

# Trichromacy



## Original Color

70.8870, 21.7477, 24.6551

## Protanomaly

67.0290, 29.5657, -9.6724

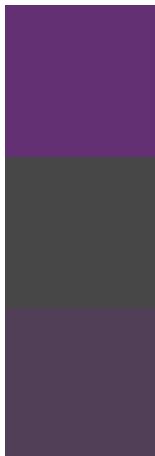
## Deuteranomaly

68.8960, 21.2503, -2.5398

## Tritanomaly

70.8530, 6.4815, 21.1769

# Monochromacy



## Original Color

70.8870, 21.7477, 24.6551

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

71.1180, 7.8298, 8.6665

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.8870, 21.7477, 24.6551 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(99, 48, 115)` looks like.

```
.text, #text, p{  
    color:rgb(99, 48, 115)  
}
```

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(99, 48, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 48, 115) }
```

## Border

The CSS property to change the border of an element to YUV 70.8870, 21.7477, 24.6551 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(99, 48, 115) }
```



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

```
.border{ border-color:rgb(99, 48, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 48, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 48, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 48, 115);  
box-shadow:4px 4px 4px 4px rgb(99, 48,  
115) }
```

# Background

The CSS property to change the background color of an element to YUV 70.8870, 21.7477, 24.6551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 48, 115) }
```

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

```
.background{ background-color: rgb(99, 48,  
115) }
```

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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