

# Converting Colors

YUV(88.9330, 11.8650, 21.1068)

Have a look what the booklet for  
YUV(88.9330, 11.8650, 21.1068)  
contains.

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# Color

**YUV(88.9330, 11.8650,  
21.1068)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	714871
RGB	113, 72, 113
RGB Percent	44%, 28%, 44%
CMY	0.5569, 0.7176, 0.5569
CMYK	0.00, 0.36, 0.00, 0.56
HSL	300°, 22%, 36%
HSV	300°, 36%, 44%
XYZ	12.1081, 9.3377, 16.7870
YIQ	88.9330, 11.2750, 21.4430

# Conversions

## Conversions Part 2

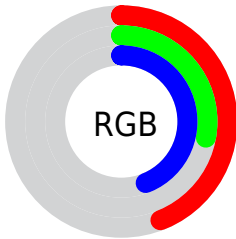
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 72, 113
Decimal	7424113
CIE <sub>Lab</sub>	36.63, 24.74, -16.51
CIE <sub>LCh</sub>	37, 29.746, 326.293
Yxy	9.3377, 0.3167, 0.2442
Android (android.graphics.Color)	4285614193 (0xFF714871)
YUV	88.9330, 11.8650, 21.1068
Hunter-Lab	30.5576, 17.2523, -11.1809

# Details

The YUV color **88.9330, 11.8650, 21.1068** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **96.0670, -11.8650, -21.1068**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.4710, 12.5858, 23.2659**, and **41.8080, 11.4337, 19.4624** is the 20% darker color. If you saturate the color by 10%, you get **82.4760, 15.0483, 26.7695**, and if you desaturate by 10%, it is **95.3900, 8.6817, 15.4440**.

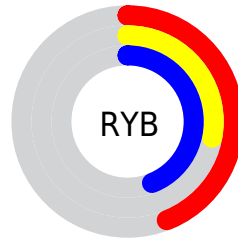
# Distribution



Red (44%)

Green (28%)

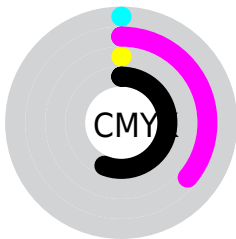
Blue (44%)



Red (44%)

Yellow (28%)

Blue (44%)

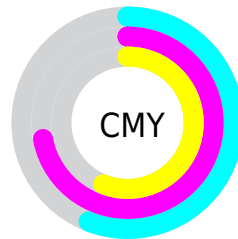


Cyan (0%)

Magenta (36%)

Yellow (0%)

Black (56%)



Cyan (56%)

Magenta (72%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 88.9330, 11.8650, 21.1068 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 88.9330, 11.8650, 21.1068 by changing the saturation by 10% instead.



88.9330, 11.8650,  
21.1068

88.9330, 11.8650,  
21.1068

255.0000, 0.0000,  
0.0000

65.1070, 11.2862,  
20.0772

139.4710, 12.5858,  
23.2659

41.8080, 11.4337,  
19.4624

165.8840, 12.8752,  
23.7807

19.5090, 11.5811,  
18.8476

193.2970, 13.1646,  
24.2955

6.6940, 7.5459,  
6.4074

221.7100, 13.4540,  
24.8103

0.0000, 0.0000,  
0.0000

240.3250, 7.2348,  
12.8700

■ 88.9330, 11.8650,  
21.1068

■ 88.9330, 11.8650,  
21.1068

■ 82.4760, 15.0483,  
26.7695

■ 95.3900, 8.6817,  
15.4440

■ 75.4320, 18.5210,  
32.9471

■ 102.4340, 5.2090,  
9.2664

■ 68.9750, 21.7043,  
38.6099

■ 108.8910, 2.0257,  
3.6036

■ 62.5180, 24.8876,  
44.2727

■ 115.3480, -1.1576,  
-2.0592

■ 56.0610, 28.0709,  
49.9355

■ 122.3920, -4.6303,  
-8.2368

■ 49.0170, 31.5436,  
56.1131


■ 128.8490, -7.8136,  
-13.8996

■ 46.6690, 32.7012,  
58.1723

■ 135.3060,  
-10.9969, -19.5624

■ 141.7630,

-14.1802, -25.2252

 148.8070,  
-17.6529, -31.4027

# Harmonies

## Analogous

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



87.0700, 20.6715, -3.5694



88.9330, 11.8650, 21.1068



87.5730, 1.1965, 36.3315

# Triad

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



88.9330, 11.8650, 21.1068



84.3230, -23.3302, 16.3797



69.7240, 18.3771, -61.1479

# Complementary

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



88.9330, 11.8650, 21.1068



96.0670, -11.8650, -21.1068

# 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.



66.8740, 7.4571, -58.6485



88.9330, 11.8650, 21.1068



81.8260, -19.6342, -2.4784

# Square

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



88.9330, 11.8650, 21.1068



85.5620, -19.0111, 31.0791



78.0280, -9.3808, -24.5806



70.0150, 27.1076, -61.4032



# Rectangle

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



88.9330, 11.8650, 21.1068



87.2330, -6.5239, 39.2607



78.0280, -9.3808, -24.5806



68.8120, 14.8827, -60.3481

# Sweetspot

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



88.9330, 11.8650, 21.1068



138.6080, 4.6303, 8.2368



76.6740, 17.9087, -4.0991



68.1300, 2.8939, 5.1480



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



88.9330, 11.8650, 21.1068



109.8450, 18.8104, 33.4619



86.6530, 3.1291, 23.1063



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759



102.0110, 71.4796, 127.1554



# Inverse Universe

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



88.9330, 11.8650, 21.1068



109.8450, 18.8104, 33.4619



98.4610, -2.6923, -23.2063



52.4780, 1.7363, 3.0888



49.5600, 34.7269, 61.7759



102.0110, 71.4796, 127.1554



# Previews

## White Background



This preview shows how the YUV color 88.9330, 11.8650, 21.1068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

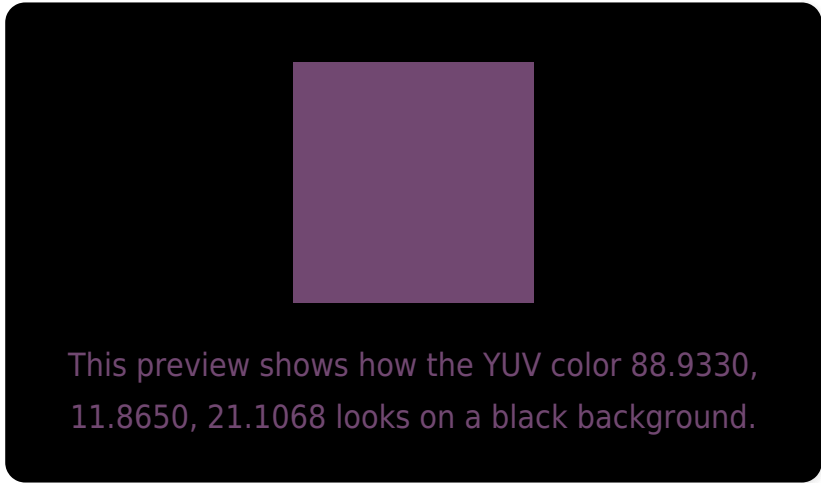
Any Text WCAG AA ✓ Pass

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

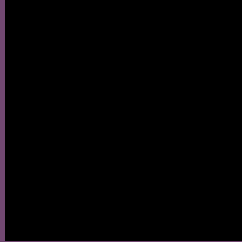
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 88.9330, 11.8650, 21.1068

## Background



This preview shows how black text looks on a background with the YUV color 88.9330, 11.8650, 21.1068.



This preview shows how white text looks on a background with the YUV color 88.9330, 11.8650,



# 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

88.9330, 11.8650, 21.1068

### Protanopia

86.3420, 18.0724, -9.9469

### Deuteranopia

87.0670, 11.7990, -4.4438



## Tritanopia

87.9530, -1.9488, 18.4582

# Trichromacy



## Original Color

88.9330, 11.8650, 21.1068

## Protanomaly

87.1370, 15.7085, 1.6339

## Deuteranomaly

87.5350, 12.0612, 4.7928

## Tritanomaly

88.3320, 3.2873, 19.0028

# Monochromacy



## Original Color

88.9330, 11.8650, 21.1068

## Achromatopsia

89.0000, 0.0000, 0.0000

## Achromatomaly

89.1950, 4.3409, 7.7220

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 88.9330, 11.8650, 21.1068 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(113, 72, 113)` looks like.

```
.text, #text, p{  
    color:rgb(113, 72, 113)  
}
```

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(113, 72, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 72, 113) }
```

## Border

The CSS property to change the border of an element to YUV 88.9330, 11.8650, 21.1068 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(113, 72, 113) }
```



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

```
.border{ border-color:rgb(113, 72, 113) }
```

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

Here you see how a box with a 4 pixel rgb(113, 72, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 72, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 72, 113);  
box-shadow:4px 4px 4px 4px rgb(113, 72,  
113) }
```

# Background

The CSS property to change the background color of an element to YUV 88.9330, 11.8650, 21.1068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 72, 113) }
```

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

```
.background{ background-color: rgb(113, 72,  
113) }
```

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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