

# Converting Colors

YUV(70.1930, 21.1039, 44.5577)

Have a look what the booklet for  
YUV(70.1930, 21.1039, 44.5577)  
contains.

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# Color

**YUV(70.1930, 21.1039,  
44.5577)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	792471
RGB	121, 36, 113
RGB Percent	47%, 14%, 44%
CMY	0.5255, 0.8588, 0.5569
CMYK	0.00, 0.70, 0.07, 0.53
HSL	306°, 54%, 31%
HSV	306°, 70%, 47%
XYZ	11.4967, 6.5190, 16.2751
YIQ	70.1930, 25.9430, 41.9670

# Conversions

## Conversions Part 2

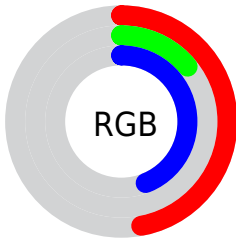
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 36, 113
Decimal	7939185
CIE <sub>Lab</sub>	30.69, 46.04, -25.65
CIE <sub>LCh</sub>	31, 52.706, 330.880
Yxy	6.5190, 0.3353, 0.1901
Android (android.graphics.Color)	4286129265 (0xFF792471)
YUV	70.1930, 21.1039, 44.5577
Hunter-Lab	25.5322, 35.6936, -19.9209

# Details

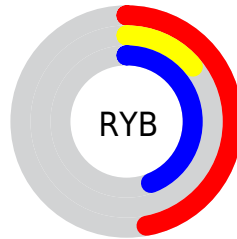
The YUV color **70.1930, 21.1039, 44.5577** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **86.8070, -21.1039, -44.5577**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.6770, 20.3722, 45.8873**, and **28.0410, 18.2208, 35.9210** is the 20% darker color. If you saturate the color by 10%, you get **63.0350, 24.1397, 50.8353**, and if you desaturate by 10%, it is **77.3510, 18.0680, 38.2802**.

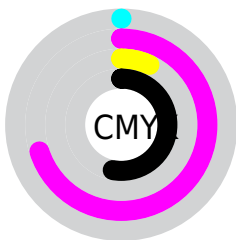
# Distribution



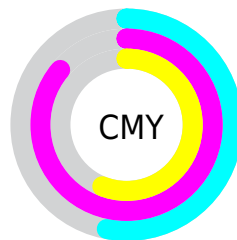
- Red (47%)
- Green (14%)
- Blue (44%)



- Red (47%)
- Yellow (14%)
- Blue (44%)



- Cyan (0%)
- Magenta (70%)
- Yellow (7%)
- Black (53%)



- Cyan (53%)
- Magenta (86%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.1930, 21.1039, 44.5577 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 70.1930, 21.1039, 44.5577 by changing the saturation by 10% instead.



70.1930, 21.1039,  
44.5577

70.1930, 21.1039,  
44.5577

255.0000, 0.0000,  
0.0000

39.6110, 23.8558,  
48.5762

123.6770, 20.3722,  
45.8873

28.0410, 18.2208,  
35.9210

150.3890, 20.5142,  
47.0168

18.9550, 11.8542,  
24.5955

178.1010, 20.6562,  
48.1464

3.4760, 8.1463,  
0.4595

203.8340, 22.2668,  
44.8726

0.0000, 0.0000,  
0.0000

220.9540, 16.7847,  
29.8583

237.3900, 8.6817,

15.4440

■ 70.1930, 21.1039,  
44.5577

■ 70.1930, 21.1039,  
44.5577

■ 63.0350, 24.1397,  
50.8353

■ 77.3510, 18.0680,  
38.2802

■ 55.8770, 27.1756,  
57.1129

■ 84.5090, 15.0321,  
32.0026

■ 48.7190, 30.2115,  
63.3904

■ 91.6670, 11.9962,  
25.7250

■ 98.9390, 9.3971,  
19.3475

■ 106.0970, 6.3612,  
13.0699

■ 113.8420, 3.0359,  
6.2776

■ 121.0000, 0.0000,  
0.0000

■ 128.1580, -3.0359,  
-6.2776

■ 135.3160, -6.0718,  
-12.5551

# Harmonies

## Analogous

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



71.9680, 35.5118, -3.4799



70.1930, 21.1039, 44.5577



58.9980, 6.9030, 72.7928

# Triad

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



70.1930, 21.1039, 44.5577



67.9890, -33.5186, 17.5496



65.8260, 23.7498, -57.7294

# Complementary

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



70.1930, 21.1039, 44.5577



86.8070, -21.1039, -44.5577

# 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.



61.0380, 5.4043, -53.5303



70.1930, 21.1039, 44.5577



61.8880, -30.5108, -13.9338

# Square

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



70.1930, 21.1039, 44.5577



67.2790, -33.1685, 45.3593



54.3750, -12.5099, -47.6869



66.8980, 38.0113, -58.6695



# Rectangle

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



70.1930, 21.1039, 44.5577



60.6160, -7.2057, 71.3738



54.3750, -12.5099, -47.6869



64.3440, 18.0714, -56.4297

# Sweetspot

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



70.1930, 21.1039, 44.5577



138.2870, 8.2395, 17.2883



47.7830, 36.0960, -4.1947



67.0320, 4.9142, 10.4959



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



70.1930, 21.1039, 44.5577



78.5610, 33.2474, 69.6680



65.4050, 2.7583, 48.7568



57.4780, 1.7363, 3.0888



50.2570, 30.9323, 65.5496



101.4540, 62.8802, 132.0288



# Inverse Universe

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



70.1930, 21.1039, 44.5577



78.5610, 33.2474, 69.6680



91.5950, -2.7583, -48.7568



57.4780, 1.7363, 3.0888



50.2570, 30.9323, 65.5496

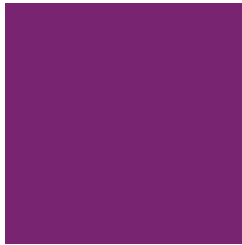


101.4540, 62.8802, 132.0288



# Previews

## White Background



This preview shows how the YUV color 70.1930, 21.1039, 44.5577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

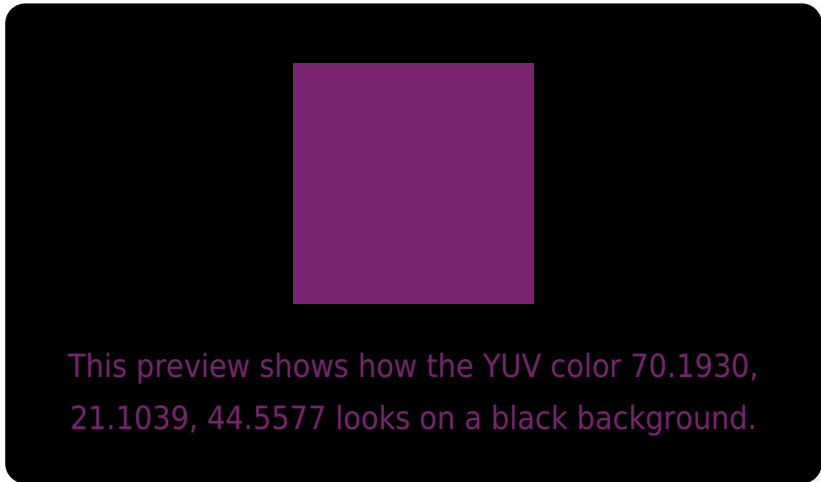
Any Text WCAG AA ✓ Pass

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

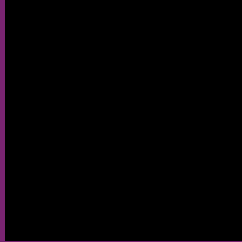
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.1930, 21.1039, 44.5577

## Background



This preview shows how black text looks on a background with the YUV color 70.1930, 21.1039, 44.5577.



This preview shows how white text looks on a background with the YUV color 70.1930, 21.1039,



# 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

70.1930, 21.1039, 44.5577

### Protanopia

66.1660, 38.3722, -34.3486

### Deuteranopia

72.6900, 16.9148, -12.0061



## Tritanopia

72.6950, -7.2446, 37.1015

# Trichromacy



## Original Color

70.1930, 21.1039, 44.5577

## Protanomaly

67.4470, 32.3176, -5.6540

## Deuteranomaly

72.1640, 18.1601, 8.6262

## Tritanomaly

71.4640, 3.2222, 39.9351

# Monochromacy



## Original Color

70.1930, 21.1039, 44.5577

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.4610, 7.6607, 16.2587

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.1930, 21.1039, 44.5577 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(121, 36, 113)` looks like.

```
.text, #text, p{  
    color:rgb(121, 36, 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(121, 36, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 36, 113) }
```

## Border

The CSS property to change the border of an element to YUV 70.1930, 21.1039, 44.5577 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(121, 36, 113) }
```



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

```
.border{ border-color:rgb(121, 36, 113) }
```

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

Here you see how a box with a 4 pixel rgb(121, 36, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 36, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 36, 113);  
box-shadow:4px 4px 4px 4px rgb(121, 36,  
113) }
```

# Background

The CSS property to change the background color of an element to YUV 70.1930, 21.1039, 44.5577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 36, 113) }
```

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

```
.background{ background-color: rgb(121, 36,  
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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