

# Converting Colors

YUV(56.7850, 70.1120, 5.4506)

Have a look what the booklet for  
YUV(56.7850, 70.1120, 5.4506)  
contains.

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# Color

**YUV(56.7850, 70.1120,  
5.4506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3F1AC7
RGB	63, 26, 199
RGB Percent	25%, 10%, 78%
CMY	0.7529, 0.8980, 0.2196
CMYK	0.68, 0.87, 0.00, 0.22
HSL	253°, 77%, 44%
HSV	253°, 87%, 78%
XYZ	12.7281, 5.9191, 54.5045
YIQ	56.7850, -33.4810, 61.6470

# Conversions

## Conversions Part 2

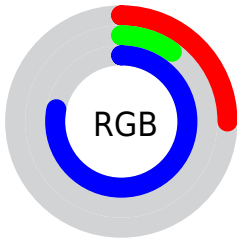
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	63, 26, 199
Decimal	4135623
CIE Lab	29.21, 60.95, -80.86
CIE LCh	29, 101.255, 307.008
Yxy	5.9191, 0.1740, 0.0809
Android (android.graphics.Color)	4282325703 (0xFF3F1AC7)
YUV	56.7850, 70.1120, 5.4506
Hunter-Lab	24.3291, 50.8085, -115.7967

# Details

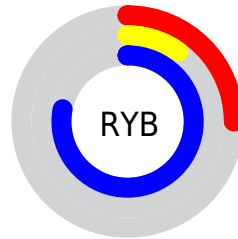
The YUV color **56.7850, 70.1120, 5.4506** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **168.2150, -70.1120, -5.4506**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.9000, 69.0693, 13.2427**, and **16.3020, 62.4621, -14.2969** is the 20% darker color. If you saturate the color by 10%, you get **40.2610, 78.2583, 5.9101**, and if you desaturate by 10%, it is **73.3090, 61.9657, 4.9910**.

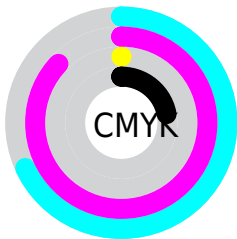
# Distribution



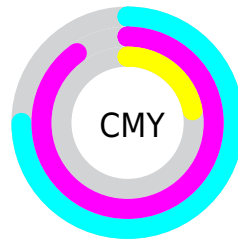
- Red (25%)
- Green (10%)
- Blue (78%)



- Red (25%)
- Yellow (10%)
- Blue (78%)



- Cyan (68%)
- Magenta (87%)
- Yellow (0%)
- Black (22%)



- Cyan (75%)
- Magenta (90%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.7850, 70.1120, 5.4506 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 56.7850, 70.1120, 5.4506 by changing the saturation by 10% instead.



■ 56.7850, 70.1120,  
5.4506

■ 56.7850, 70.1120,  
5.4506

■ 255.0000, 0.0000,  
0.0000

■ 20.9890, 73.9554,  
-14.0224

■ 114.9000, 69.0693,  
13.2427

■ 16.3020, 62.4621,  
-14.2969

■ 139.4310, 56.9755,  
18.9160

■ 13.3380, 51.1054,  
-11.6974

■ 163.6630, 45.0291,  
23.9745

■ 11.5480, 39.1698,  
-10.1276

■ 188.7810, 32.6460,  
29.1331

■ 11.6330, 26.8029,  
-10.2021

■ 214.4860, 19.9734,  
33.7768


■ 6.6630, 17.9141,  
-5.8435

■ 232.1070, 11.2862,


■ 3.0950, 9.3202,


20.0772


-2.7143


 249.1300, 2.8939,  
5.1480


 0.0000, 0.0000,  
0.0000


 56.7850, 70.1120,  
5.4506

 56.7850, 70.1120,  
5.4506

 40.2610, 78.2583,  
5.9101


 73.3090, 61.9657,  
4.9910

 35.5430, 80.5843,  
6.5398

 89.5340, 53.9667,  
3.9167

 106.0580, 45.8204,  
3.4571

 122.5820, 37.6741,  
2.9976

 138.8070, 29.6751,  
1.9233

■ 154.7440, 21.8182,  
1.9785

■ 171.2680, 13.6719,  
1.5190

■ 187.4930, 5.6730,  
0.4446

■ 204.0170, -2.4734,  
-0.0149

# Harmonies

## Analogous

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



72.8210, 78.4752, -63.8640



56.7850, 70.1120, 5.4506



64.9810, 33.0404, 89.4707

# Triad

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



56.7850, 70.1120, 5.4506



59.1270, -29.1496, 63.0326



64.5090, 11.0881, -56.5744

# Complementary

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



56.7850, 70.1120, 5.4506



168.2150, -70.1120, -5.4506

# 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.



53.4170, -26.3346, -46.8467



56.7850, 70.1120, 5.4506



63.4820, -31.2966, 4.8393

# Square

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



56.7850, 70.1120, 5.4506



52.0260, -25.6488, 106.9712



50.4820, -24.8876, -44.2727



74.5750, 44.5795, -65.4023



# Rectangle

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



56.7850, 70.1120, 5.4506



65.7450, 7.5207, 108.0946



50.4820, -24.8876, -44.2727



60.7300, -0.8529, -53.2602

# Sweetspot

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



56.7850, 70.1120, 5.4506



200.7100, 26.7650, 2.0083



126.7280, 35.6301, -88.3385



94.9520, 16.2927, 0.9191



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



56.7850, 70.1120, 5.4506



45.5150, 103.2761, 8.3183



81.9010, 57.7298, 57.0918



91.6240, 3.6364, 0.3298



29.0470, 66.0388, 5.2208



6.4960, 14.5455, 1.3190



# Inverse Universe

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



93.2310, 33.9031, 92.7594



99.0450, 49.7708, 136.7725



143.0990, -57.7298, -57.0918



93.4890, 1.7309, 4.8331



63.3290, 31.8828, 87.4115

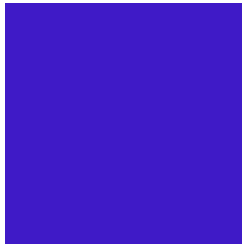


13.9560, 6.9237, 19.3326



# Previews

## White Background



This preview shows how the YUV color 56.7850, 70.1120, 5.4506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

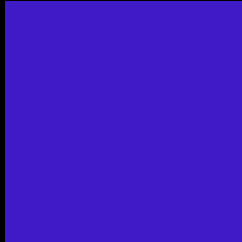
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 56.7850, 70.1120, 5.4506 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 56.7850, 70.1120, 5.4506

## Background



This preview shows how black text looks on a background with the YUV color 56.7850, 70.1120, 5.4506.



This preview shows how white text looks on a background with the YUV color 56.7850, 70.1120,



# 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

56.7850, 70.1120, 5.4506

### Protanopia

55.2890, 41.7625, -48.4885

### Deuteranopia

55.2430, 31.4322, -48.4481



## Tritanopia

54.5470, 13.5343, -47.8377

# Trichromacy



## Original Color

56.7850, 70.1120, 5.4506

## Protanomaly

55.7550, 51.8858, -28.7261

## Deuteranomaly

56.0340, 45.3392, -28.9708

## Tritanomaly

55.1730, 34.4247, -28.2157

# Monochromacy



## Original Color

56.7850, 70.1120, 5.4506

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.0690, 25.6020, 1.6935

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.7850, 70.1120, 5.4506 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(63, 26, 199)` looks like.

```
.text, #text, p{  
    color:rgb(63, 26, 199)  
}
```

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(63, 26, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 26, 199) }
```

## Border

The CSS property to change the border of an element to YUV 56.7850, 70.1120, 5.4506 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(63, 26, 199) }
```



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

```
.border{ border-color:rgb(63, 26, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 26, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 26, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 26, 199);  
box-shadow:4px 4px 4px 4px rgb(63, 26,  
199) }
```

# Background

The CSS property to change the background color of an element to YUV 56.7850, 70.1120, 5.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 26, 199) }
```

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

```
.background{ background-color: rgb(63, 26,  
199) }
```

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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