

# Converting Colors

YUV(56.7780, 30.6754, 54.5687)

Have a look what the booklet for  
YUV(56.7780, 30.6754, 54.5687)  
contains.

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# Color

**YUV(56.7780, 30.6754,  
54.5687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	770D77
RGB	119, 13, 119
RGB Percent	47%, 5%, 47%
CMY	0.5333, 0.9490, 0.5333
CMYK	0.00, 0.89, 0.00, 0.53
HSL	300°, 80%, 26%
HSV	300°, 89%, 47%
XYZ	11.0814, 5.5417, 17.9384
YIQ	56.7780, 29.1500, 55.4380

# Conversions

## Conversions Part 2

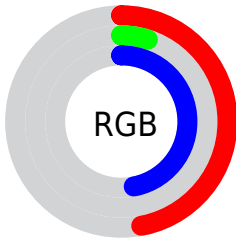
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 13, 119
Decimal	7802231
CIE <sub>Lab</sub>	28.23, 53.64, -33.39
CIE <sub>LCh</sub>	28, 63.179, 328.096
Yxy	5.5417, 0.3206, 0.1603
Android (android.graphics.Color)	4285992311 (0xFF770D77)
YUV	56.7780, 30.6754, 54.5687
Hunter-Lab	23.5408, 42.8295, -28.7011

# Details

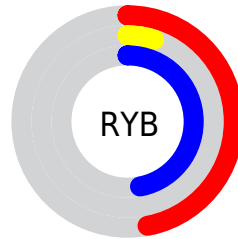
The YUV color **56.7780, 30.6754, 54.5687** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **75.2220, -30.6754, -54.5687**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.0720, 28.0655, 51.6799**, and **27.7140, 20.8470, 33.5768** is the 20% darker color. If you saturate the color by 10%, you get **49.7340, 34.1481, 60.7463**, and if you desaturate by 10%, it is **63.8220, 27.2028, 48.3911**.

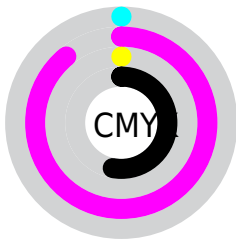
# Distribution



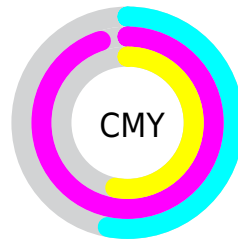
- Red (47%)
- Green (5%)
- Blue (47%)



- Red (47%)
- Yellow (5%)
- Blue (47%)



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (53%)



- Cyan (53%)
- Magenta (95%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.7780, 30.6754, 54.5687 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 56.7780, 30.6754, 54.5687 by changing the saturation by 10% instead.



■ 56.7780, 30.6754,  
54.5687

■ 56.7780, 30.6754,  
54.5687

■ 255.0000, 0.0000,  
0.0000

■ 38.2240, 27.4976,  
47.1616

■ 115.0720, 28.0655,  
51.6799

■ 27.7140, 20.8470,  
33.5768

■ 142.6700, 27.7707,  
52.9094

■ 18.2150, 14.1910,  
21.7364

■ 170.4960, 28.3495,  
53.9390

■ 2.8500, 10.9200,  
-2.4994

■ 196.8870, 28.6497,  
50.9651


■ 0.0000, 0.0000,  
0.0000


■ 213.3230, 20.5468,  
36.5507


■ 229.7590, 12.4438,


22.1364


 246.7820, 4.0515,  
7.2072

 56.7780, 30.6754,  
54.5687


 56.7780, 30.6754,  
54.5687


 49.7340, 34.1481,  
60.7463


 63.8220, 27.2028,  
48.3911

 49.1470, 34.4375,  
61.2611

 70.8660, 23.7301,  
42.2135

 77.9100, 20.2574,  
36.0359

 84.9540, 16.7847,  
29.8583

 91.4110, 13.6014,  
24.1956

■ 98.4550, 10.1287,  
18.0180

■ 105.4990, 6.6560,  
11.8404

■ 112.5430, 3.1833,  
5.6628

■ 119.5870, -0.2894,  
-0.5148

# Harmonies

## Analogous

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



62.1000, 45.3067, -18.5047



56.7780, 30.6754, 54.5687



51.5630, 10.0754, 81.9442

# Triad

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



56.7780, 30.6754, 54.5687



62.9830, -31.0506, 19.3089



63.2500, 24.0338, -55.4703

# Complementary

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



56.7780, 30.6754, 54.5687



75.2220, -30.6754, -54.5687

# 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.



56.9630, 2.4832, -49.9566



56.7780, 30.6754, 54.5687



55.9630, -27.5898, -17.5076

# Square

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



56.7780, 30.6754, 54.5687



59.6590, -29.4119, 53.7961



49.1770, -22.2723, -43.1282



66.4080, 41.2109, -58.2398



# Rectangle

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



56.7780, 30.6754, 54.5687



48.5130, -4.1969, 86.3731



49.1770, -22.2723, -43.1282



61.4260, 17.0450, -53.8706

# Sweetspot

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



56.7780, 30.6754, 54.5687



131.3460, 12.1544, 21.6216



25.0840, 46.3006, -10.5977



64.3250, 7.2348, 12.8700



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.



56.7780, 30.6754, 54.5687



64.4280, 45.1450, 80.3086



50.7360, 7.5252, 59.8675



55.4780, 1.7363, 3.0888



50.3860, 35.3057, 62.8055



103.2500, 72.3478, 128.6997



# Inverse Universe

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



56.7780, 30.6754, 54.5687



64.4280, 45.1450, 80.3086



81.2640, -7.5252, -59.8675



55.4780, 1.7363, 3.0888



50.3860, 35.3057, 62.8055

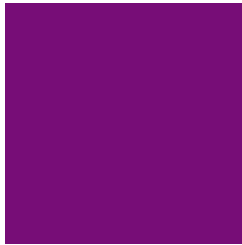


103.2500, 72.3478, 128.6997



# Previews

## White Background



This preview shows how the YUV color 56.7780, 30.6754, 54.5687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

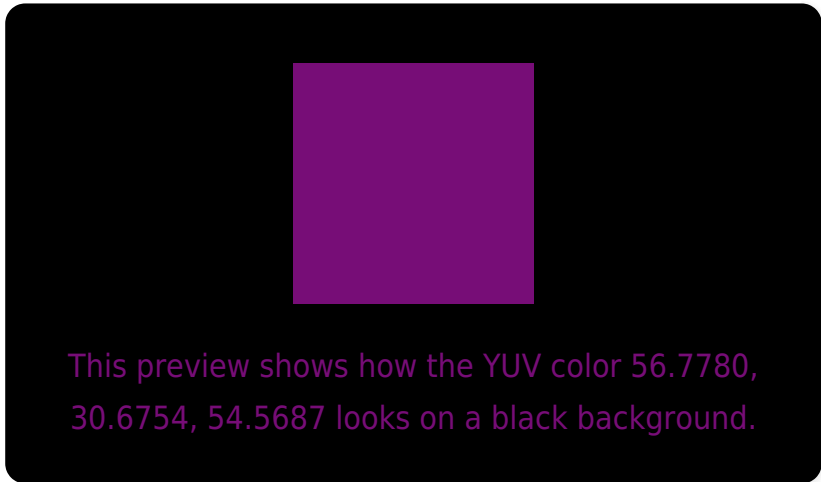
Any Text WCAG AA ✓ Pass

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

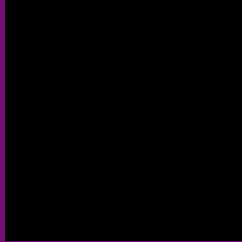
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 56.7780, 30.6754, 54.5687

## Background



This preview shows how black text looks on a background with the YUV color 56.7780, 30.6754, 54.5687.



This preview shows how white text looks on a background with the YUV color 56.7780, 30.6754,



# 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

56.7780, 30.6754, 54.5687

### Protanopia

54.8160, 42.4887, -48.0736

### Deuteranopia

65.8290, 22.7623, -20.8980



## Tritanopia

67.4780, -8.1237, 39.0458

# Trichromacy



## Original Color

56.7780, 30.6754, 54.5687

## Protanomaly

55.6080, 38.1543, -11.0572

## Deuteranomaly

62.8030, 25.7331, 6.3118

## Tritanomaly

63.5940, 6.1162, 45.0831

# Monochromacy



## Original Color

56.7780, 30.6754, 54.5687

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.1070, 11.2862, 20.0772

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.7780, 30.6754, 54.5687 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(119, 13, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 13, 119)  
}
```

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(119, 13, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 13, 119) }
```

## Border

The CSS property to change the border of an element to YUV 56.7780, 30.6754, 54.5687 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(119, 13, 119) }
```



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

```
.border{ border-color:rgb(119, 13, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 13, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 13, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 13, 119);  
box-shadow:4px 4px 4px 4px rgb(119, 13,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 56.7780, 30.6754, 54.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 13, 119) }
```

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

```
.background{ background-color: rgb(119, 13,  
119) }
```

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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