

# Converting Colors

YUV(35.9310, 25.1770, 44.7875)

Have a look what the booklet for  
YUV(35.9310, 25.1770, 44.7875)  
contains.

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# Color

**YUV(35.9310, 25.1770,  
44.7875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	570057
RGB	87, 0, 87
RGB Percent	34%, 0%, 34%
CMY	0.6588, 1.0000, 0.6588
CMYK	0.00, 1.00, 0.00, 0.66
HSL	300°, 100%, 17%
HSV	300°, 100%, 34%
XYZ	5.6508, 2.7144, 9.2429
YIQ	35.9310, 23.9250, 45.5010

# Conversions

## Conversions Part 2

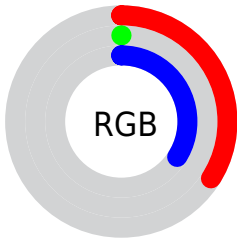
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 0, 87
Decimal	5701719
CIE Lab	18.86, 44.88, -27.79
CIE LCh	19, 52.789, 328.233
Yxy	2.7144, 0.3209, 0.1542
Android (android.graphics.Color)	4283891799 (0xFF570057)
YUV	35.9310, 25.1770, 44.7875
Hunter-Lab	16.4753, 32.3910, -21.7300

# Details

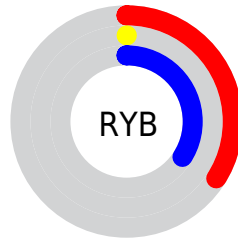
The YUV color **35.9310, 25.1770, 44.7875** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **51.0690, -25.1770, -44.7875**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.6980, 21.8409, 41.4839**, and **16.6340, 12.0124, 20.4920** is the 20% darker color. If you saturate the color by 10%, you get **35.9310, 25.1770, 44.7875**, and if you desaturate by 10%, it is **41.2140, 22.5725, 40.1543**.

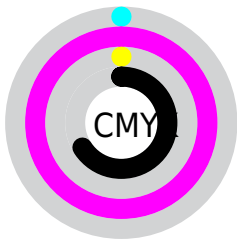
# Distribution



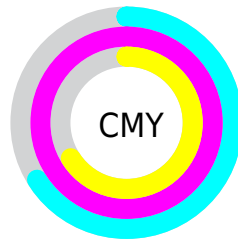
- Red (34%)
- Green (0%)
- Blue (34%)



- Red (34%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)




- Cyan (66%)
- Magenta (100%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 35.9310, 25.1770, 44.7875 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 35.9310, 25.1770, 44.7875 by changing the saturation by 10% instead.





 35.9310, 25.1770,  
44.7875


 35.9310, 25.1770,  
44.7875


 252.0650, 1.4470,  
2.5740


 25.7200, 18.3790,  
31.8176

 92.6980, 21.8409,  
41.4839


 16.6340, 12.0124,  
20.4920

 118.5240, 22.4197,  
42.5135

 2.7530, 8.0098,  
-2.4144

 145.2360, 22.5617,  
43.6430

 0.0000, 0.0000,  
0.0000

 172.9480, 22.7036,  
44.7726

 200.7740, 23.2824,  
45.8022

 218.6060, 17.9422,

31.9175

■ 235.0420, 9.8393,  
17.5032

■ 35.9310, 25.1770,  
44.7875

■ 41.2140, 22.5725,  
40.1543

■ 45.9100, 20.2574,  
36.0359

■ 51.1930, 17.6529,  
31.4027

■ 56.4760, 15.0483,  
26.7695

■ 61.7590, 12.4438,  
22.1364

■ 66.4550, 10.1287,  
18.0180

■ 71.7380, 7.5242,  
13.3848

■ 77.0210, 4.9196,  
8.7516

■ 81.7170, 2.6045,  
4.6332

# Harmonies

## Analogous

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



41.7060, 36.1339, -16.4052



35.9310, 25.1770, 44.7875



37.9920, 5.9199, 61.3970

# Triad

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



35.9310, 25.1770, 44.7875



43.7680, -21.5776, 14.2355



45.1550, 18.1646, -39.6009

# Complementary

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



35.9310, 25.1770, 44.7875



51.0690, -25.1770, -44.7875

# 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.



40.0080, 0.9821, -35.0870



35.9310, 25.1770, 44.7875



37.3790, -18.4278, -16.1184

# Square

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



35.9310, 25.1770, 44.7875



40.4000, -19.9172, 41.7452



34.0460, -16.7847, -29.8583



47.4010, 31.8473, -41.5707



# Rectangle

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



35.9310, 25.1770, 44.7875



35.1420, -5.0000, 63.8965



34.0460, -16.7847, -29.8583



43.6730, 12.4862, -38.3012

# Sweetspot

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



35.9310, 25.1770, 44.7875



92.6290, 9.5499, 16.9884



9.9180, 38.0014, -8.6981



44.2600, 5.7878, 10.2960



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



35.9310, 25.1770, 44.7875



46.2560, 32.4118, 57.6575



31.0290, 6.3947, 49.0866



40.6520, 1.1576, 2.0592



44.1910, 30.9648, 55.0835



97.0550, 68.0069, 120.9778



# Inverse Universe

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



35.9310, 25.1770, 44.7875



46.2560, 32.4118, 57.6575



56.0850, -5.9579, -49.1865



40.6520, 1.1576, 2.0592



44.1910, 30.9648, 55.0835



97.0550, 68.0069, 120.9778



# Previews

## White Background



This preview shows how the YUV color 35.9310, 25.1770, 44.7875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

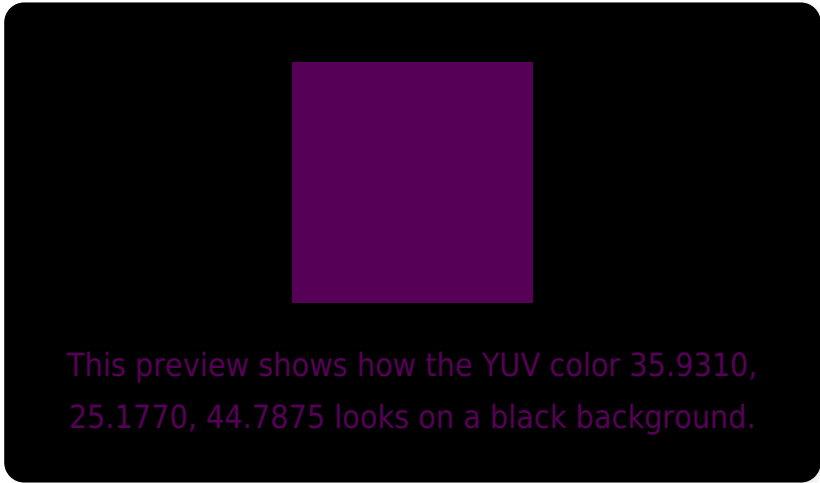
Any Text WCAG AA ✓ Pass

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

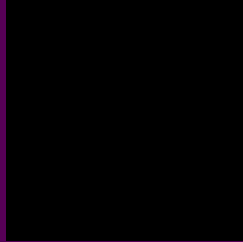
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 35.9310, 25.1770, 44.7875

## Background



This preview shows how black text looks on a background with the YUV color 35.9310, 25.1770, 44.7875.



This preview shows how white text looks on a background with the YUV color 35.9310, 25.1770,



# 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



### Protanopia

39.8040, 30.6626, -34.9081

### Deuteranopia

47.6680, 16.9257, -15.4948

### Tritanopia

48.5800, -6.2019, 29.3093

# Trichromacy



## Protanomaly

38.8230, 28.6813, -5.9838

## Deuteranomaly

43.6090, 19.9128, 6.4819

## Tritanomaly

44.3000, 5.2751, 34.8169

# Monochromacy



## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

36.2160, 9.2605, 16.4736

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.9310, 25.1770, 44.7875 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(87, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 87)  
}
```

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(87, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 87) }
```

## Border

The CSS property to change the border of an element to YUV 35.9310, 25.1770, 44.7875 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(87, 0, 87) }
```

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

```
.border{ border-color:rgb(87, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 87); box-shadow:4px  
4px 4px 4px rgb(87, 0, 87) }
```



# Background

The CSS property to change the background color of an element to YUV 35.9310, 25.1770, 44.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 87) }
```

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

```
.background{ background-color: rgb(87, 0,  
87) }
```

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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