

# Converting Colors

YUV(36.7530, 14.9118, 23.8956)

Have a look what the booklet for  
YUV(36.7530, 14.9118, 23.8956)  
contains.

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# Color

**YUV(36.7530, 14.9118,  
23.8956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	401143
RGB	64, 17, 67
RGB Percent	25%, 7%, 26%
CMY	0.7490, 0.9333, 0.7373
CMYK	0.04, 0.75, 0.00, 0.74
HSL	296°, 60%, 16%
HSV	296°, 75%, 26%
XYZ	3.3279, 1.8961, 5.5008
YIQ	36.7530, 11.9620, 25.5140

# Conversions

## Conversions Part 2

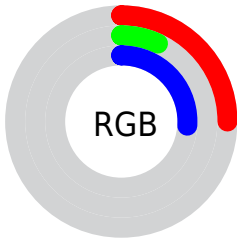
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	64, 17, 67
Decimal	4198723
CIE <sub>Lab</sub>	14.93, 30.24, -20.60
CIE <sub>LCh</sub>	15, 36.596, 325.736
Yxy	1.8961, 0.3103, 0.1768
Android (android.graphics.Color)	4282388803 (0xFF401143)
YUV	36.7530, 14.9118, 23.8956
Hunter-Lab	13.7700, 19.0421, -14.0459

# Details

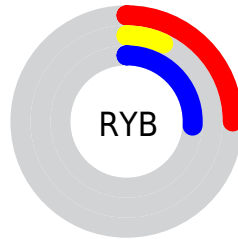
The YUV color **36.7530, 14.9118, 23.8956** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **47.2470, -14.9118, -23.8956**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.7640, 14.9063, 25.6400**, and **5.1280, 9.3039, 2.5187** is the 20% darker color. If you saturate the color by 10%, you get **32.6440, 16.9375, 27.4992**, and if you desaturate by 10%, it is **40.8620, 12.8860, 20.2920**.

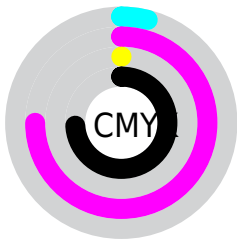
# Distribution



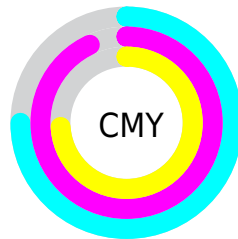
- Red (25%)
- Green (7%)
- Blue (26%)



- Red (25%)
- Yellow (7%)
- Blue (26%)



- Cyan (4%)
- Magenta (75%)
- Yellow (0%)
- Black (74%)



- Cyan (75%)
- Magenta (93%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.7530, 14.9118, 23.8956 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 36.7530, 14.9118, 23.8956 by changing the saturation by 10% instead.



■ 36.7530, 14.9118,  
23.8956

■ 36.7530, 14.9118,  
23.8956

■ 252.0650, 1.4470,  
2.5740

■ 17.3890, 13.6122,  
20.7068

■ 84.7640, 14.9063,  
25.6400

■ 5.1280, 9.3039,  
2.5187

■ 109.5900, 15.4851,  
26.6696

■ 0.0000, 0.0000,  
0.0000

■ 135.4160, 16.0639,  
27.6992

■ 161.8290, 16.3533,  
28.2140


■ 189.5410, 16.4953,  
29.3435


■ 217.2530, 16.6373,


30.4731


 235.0420, 9.8393,  
17.5032


 36.7530, 14.9118,  
23.8956


 36.7530, 14.9118,  
23.8956

 32.6440, 16.9375,  
27.4992

 40.8620, 12.8860,  
20.2920


 28.8230, 18.8213,  
29.9732

 44.6830, 11.0023,  
17.8180

 26.4750, 19.9788,  
32.0324

 48.7920, 8.9765,  
14.2144

 53.2000, 6.8034,  
11.2256

 57.3090, 4.7777,  
7.6220

■ 60.8310, 3.0413,  
4.5332

■ 65.2390, 0.8682,  
1.5444

■ 69.3480, -1.1576,  
-2.0592

■ 73.1690, -3.0413,  
-4.5332

# Harmonies

## Analogous

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



35.6500, 24.3296, -10.2170



36.7530, 14.9118, 23.8956



29.8820, 5.9742, 43.9535

# Triad

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



36.7530, 14.9118, 23.8956



35.7940, -17.6464, 13.3357



34.9020, 11.8803, -30.6091

# Complementary

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



36.7530, 14.9118, 23.8956



47.2470, -14.9118, -23.8956

# 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.



31.9380, 0.5236, -28.0096



36.7530, 14.9118, 23.8956



32.7270, -16.1344, -5.0226

# Square

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



36.7530, 14.9118, 23.8956



34.4310, -16.9745, 31.1940



27.1160, -12.8752, -23.7807



36.7090, 21.3425, -32.1938



# Rectangle

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



36.7530, 14.9118, 23.8956



28.2430, -1.5988, 46.2679



27.1160, -12.8752, -23.7807



33.9900, 8.3859, -29.8092

# Sweetspot

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



36.7530, 14.9118, 23.8956



75.5480, 5.6458, 9.1664



24.4610, 20.9717, -6.5433



36.5430, 3.1833, 5.6628



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



36.7530, 14.9118, 23.8956



39.7190, 23.3095, 37.0804



35.1420, 4.8600, 27.9395



31.2390, 0.8682, 1.5444



38.2670, 28.9554, 46.2468



88.6250, 66.7399, 107.3229



# Inverse Universe

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



32.2920, -6.0600, 30.4389



32.7780, -9.7506, 47.5527



48.8580, -4.8600, -27.9395



30.8970, -0.4422, 1.8443



29.6870, -11.6777, 59.0335



68.4580, -27.3408, 136.4103



# Previews

## White Background



This preview shows how the YUV color 36.7530, 14.9118, 23.8956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

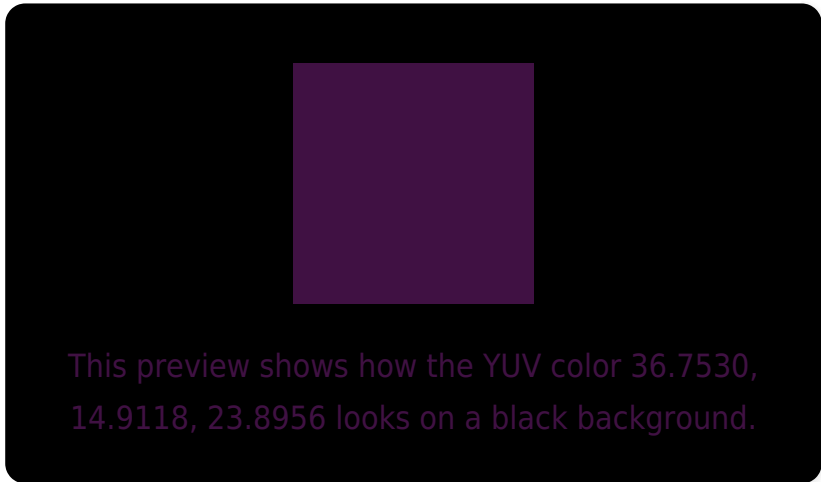
Any Text WCAG AA ✓ Pass

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

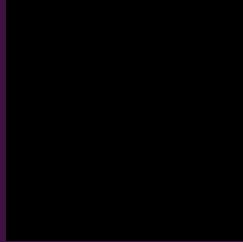
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.7530, 14.9118, 23.8956

## Background



This preview shows how black text looks on a background with the YUV color 36.7530, 14.9118, 23.8956.



This preview shows how white text looks on a background with the YUV color 36.7530, 14.9118,



# 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

36.7530, 14.9118, 23.8956

### Protanopia

31.4260, 23.9470, -27.5606

### Deuteranopia

37.3650, 13.1311, -11.7211



## Tritanopia

39.1980, -3.5486, 18.2434

# Trichromacy



## Original Color

36.7530, 14.9118, 23.8956

## Protanomaly

33.0370, 20.6878, -8.8024

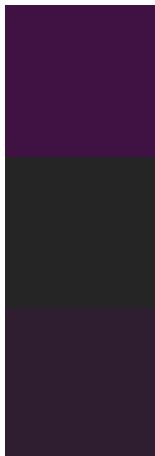
## Deuteranomaly

37.2680, 13.6719, 1.5190

## Tritanomaly

38.0440, 3.4293, 20.1324

# Monochromacy



## Original Color

36.7530, 14.9118, 23.8956

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.1350, 5.3564, 8.6516

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.7530, 14.9118, 23.8956 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(64, 17, 67)` looks like.

```
.text, #text, p{  
    color:rgb(64, 17, 67)  
}
```

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(64, 17, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 17, 67) }
```

## Border

The CSS property to change the border of an element to YUV 36.7530, 14.9118, 23.8956 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(64, 17, 67) }
```



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

```
.border{ border-color:rgb(64, 17, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 17, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 17, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 17, 67);  
box-shadow:4px 4px 4px 4px rgb(64, 17, 67)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.7530, 14.9118, 23.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 17, 67) }
```

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

```
.background{ background-color: rgb(64, 17,  
67) }
```

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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