

# Converting Colors

YUV(29.8730, 16.3316, 35.1914)

Have a look what the booklet for  
YUV(29.8730, 16.3316, 35.1914)  
contains.

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# Color

**YUV(29.8730, 16.3316,  
35.1914)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46033F
RGB	70, 3, 63
RGB Percent	27%, 1%, 25%
CMY	0.7255, 0.9882, 0.7529
CMYK	0.00, 0.96, 0.10, 0.73
HSL	306°, 92%, 14%
HSV	306°, 96%, 27%
XYZ	3.4556, 1.7261, 4.8537
YIQ	29.8730, 20.6720, 32.8640

# Conversions

## Conversions Part 2

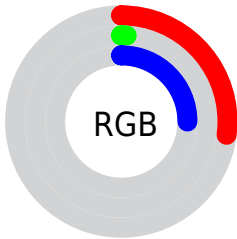
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 3, 63
Decimal	4588351
CIE <sub>Lab</sub>	13.98, 36.42, -19.23
CIE <sub>LCh</sub>	14, 41.184, 332.170
Yxy	1.7261, 0.3443, 0.1720
Android (android.graphics.Color)	4282778431 (0xFF46033F)
YUV	29.8730, 16.3316, 35.1914
Hunter-Lab	13.1381, 23.9570, -12.7071

# Details

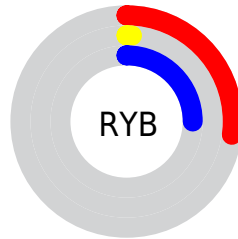
The YUV color **29.8730, 16.3316, 35.1914** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **43.1270, -16.3316, -35.1914**, and the grayscale version is **30.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **81.7050, 14.4424, 34.4617**, and **6.9500, 5.9407, 7.9369** is the 20% darker color. If you saturate the color by 10%, you get **28.1120, 17.1998, 36.7358**, and if you desaturate by 10%, it is **34.0960, 14.7427, 31.4878**.

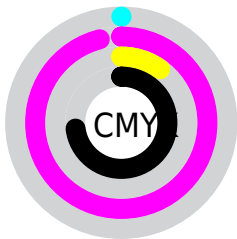
# Distribution



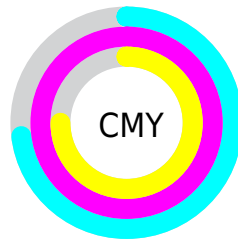
- Red (27%)
- Green (1%)
- Blue (25%)



- Red (27%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (96%)
- Yellow (10%)
- Black (73%)



- Cyan (73%)
- Magenta (99%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 29.8730, 16.3316, 35.1914 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 29.8730, 16.3316, 35.1914 by changing the saturation by 10% instead.



■ 29.8730, 16.3316,  
35.1914

■ 29.8730, 16.3316,  
35.1914

■ 247.3690, 3.7621,  
6.6924

■ 18.7270, 10.9806,  
24.7954

■ 81.7050, 14.4424,  
34.4617

■ 6.9500, 5.9407,  
7.9369

■ 106.7160, 14.4370,  
36.2061

■ 0.0000, 0.0000,  
0.0000


■ 132.5420, 15.0158,  
37.2357


■ 159.2540, 15.1578,  
38.3652


■ 186.9660, 15.2998,  
39.4948


■ 213.4710, 16.0368,


36.4209


 230.9330, 11.8650,  
21.1068


 29.8730, 16.3316,  
35.1914


 29.8730, 16.3316,  
35.1914

 28.1120, 17.1998,  
36.7358

 34.0960, 14.7427,  
31.4878

 38.2050, 12.7169,  
27.8842

 42.4280, 11.1280,  
24.1806

 46.6510, 9.5391,  
20.4771

 50.8740, 7.9501,  
16.7735

■ 54.9830, 5.9244,  
13.1699

■ 59.2060, 4.3354,  
9.4663

■ 63.4290, 2.7465,  
5.7628

■ 67.6520, 1.1576,  
2.0592

# Harmonies

## Analogous

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



34.5200, 24.8866, -2.2100



29.8730, 16.3316, 35.1914



28.8070, 3.0531, 47.5273

# Triad

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



29.8730, 16.3316, 35.1914



33.7010, -16.6146, 9.0322



35.1130, 15.2273, -30.7941

# Complementary

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



29.8730, 16.3316, 35.1914



43.1270, -16.3316, -35.1914

# 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.



31.8070, 2.5601, -27.8947



29.8730, 16.3316, 35.1914



28.5410, -14.0707, -13.6295

# Square

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



29.8730, 16.3316, 35.1914



32.6480, -16.0955, 29.2497



27.1160, -12.8752, -23.7807



36.3330, 24.9788, -31.8640



# Rectangle

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



29.8730, 16.3316, 35.1914



26.5270, -5.6828, 49.5268



27.1160, -12.8752, -23.7807



34.0870, 11.2961, -29.8943

# Sweetspot

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



29.8730, 16.3316, 35.1914



75.8090, 6.5032, 14.1995



12.7310, 28.2336, -2.3951



36.3800, 3.7567, 8.4367



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



29.8730, 16.3316, 35.1914



36.8560, 22.2560, 48.3613



26.1110, 1.9173, 38.4907



33.5380, 0.7208, 2.1592



39.7470, 24.2817, 51.9649



91.0150, 55.2086, 119.2588



# Inverse Universe

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



29.8730, 16.3316, 35.1914



36.8560, 22.2560, 48.3613



46.8890, -1.9173, -38.4907



33.5380, 0.7208, 2.1592



39.7470, 24.2817, 51.9649

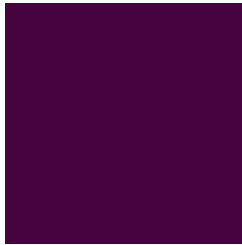


91.0150, 55.2086, 119.2588



# Previews

## White Background



This preview shows how the YUV color 29.8730, 16.3316, 35.1914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

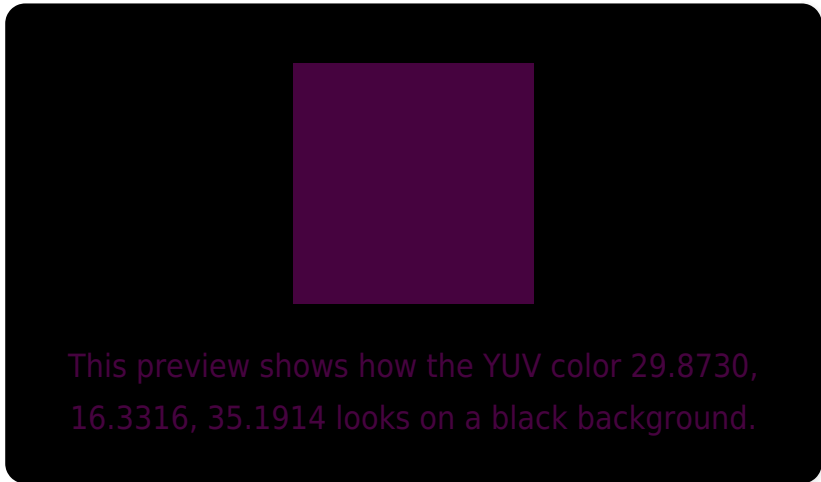
Any Text WCAG AA ✓ Pass

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

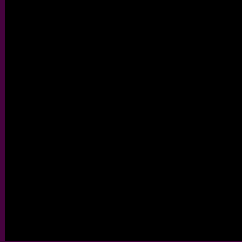
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 29.8730, 16.3316, 35.1914

## Background



This preview shows how black text looks on a background with the YUV color 29.8730, 16.3316, 35.1914.



This preview shows how white text looks on a background with the YUV color 29.8730, 16.3316,



# 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

29.8730, 16.3316, 35.1914

### Protanopia

31.4260, 23.9470, -27.5606

### Deuteranopia

38.5890, 10.0626, -7.5326



## Tritanopia

37.6720, -5.7543, 25.7207

# Trichromacy



## Original Color

29.8730, 16.3316, 35.1914

## Protanomaly

30.5860, 21.4031, -4.8989

## Deuteranomaly

35.5570, 12.0504, 8.2815

## Tritanomaly

34.7570, 2.0918, 29.1541

# Monochromacy



## Original Color

29.8730, 16.3316, 35.1914

## Achromatopsia

30.0000, 0.0000, 0.0000

## Achromatomaly

29.9830, 5.9244, 13.1699

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 29.8730, 16.3316, 35.1914 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(70, 3, 63)` looks like.

```
.text, #text, p{  
    color:rgb(70, 3, 63)  
}
```

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(70, 3, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 3, 63) }
```

## Border

The CSS property to change the border of an element to YUV 29.8730, 16.3316, 35.1914 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(70, 3, 63) }
```



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

```
.border{ border-color:rgb(70, 3, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 3, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 3, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 3, 63); box-shadow:4px  
4px 4px 4px rgb(70, 3, 63) }
```

# Background

The CSS property to change the background color of an element to YUV 29.8730, 16.3316, 35.1914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 3, 63) }
```

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

```
.background{ background-color: rgb(70, 3,  
63) }
```

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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