

# Converting Colors

YUV(156.2350, 37.3521,  
12.9489)

Have a look what the booklet for  
YUV(156.2350, 37.3521, 12.9489)  
contains.

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# Color

**YUV(156.2350, 37.3521,  
12.9489)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB86E8
RGB	171, 134, 232
RGB Percent	67%, 53%, 91%
CMY	0.3294, 0.4745, 0.0902
CMYK	0.26, 0.42, 0.00, 0.09
HSL	263°, 68%, 72%
HSV	263°, 42%, 91%
XYZ	39.8852, 31.5343, 80.3285
YIQ	156.2350, -9.4060, 38.3220

# Conversions

## Conversions Part 2

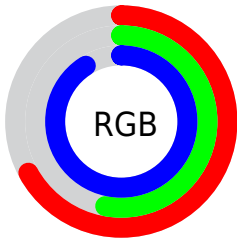
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 134, 232
Decimal	11241192
CIE <sub>Lab</sub>	62.96, 34.01, -44.59
CIE <sub>LCh</sub>	63, 56.075, 307.334
Yxy	31.5343, 0.2628, 0.2078
Android (android.graphics.Color)	4289431272 (0xFFAB86E8)
YUV	156.2350, 37.3521, 12.9489
Hunter-Lab	56.1554, 28.5101, -45.5036

# Details

The YUV color **156.2350, 37.3521, 12.9489** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **209.7650, -37.3521, -12.9489**, and the grayscale version is **156.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **207.5980, 23.3692, 17.8926**, and **104.0560, 35.4684, 10.4749** is the 20% darker color. If you saturate the color by 10%, you get **138.5480, 46.0718, 16.1824**, and if you desaturate by 10%, it is **173.9220, 28.6325, 9.7154**.

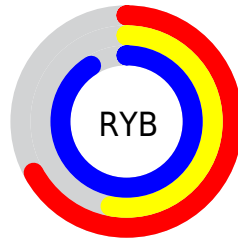
# Distribution



Red (67%)

Green (53%)

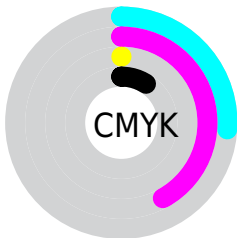
Blue (91%)



Red (67%)

Yellow (53%)

Blue (91%)

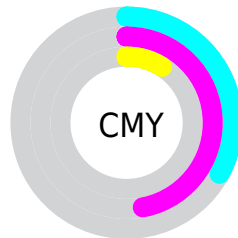


Cyan (26%)

Magenta (42%)

Yellow (0%)

Black (9%)



Cyan (33%)

Magenta (47%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 156.2350, 37.3521, 12.9489 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 156.2350, 37.3521, 12.9489 by changing the saturation by 10% instead.



156.2350, 37.3521,  
12.9489

156.2350, 37.3521,  
12.9489

255.0000, 0.0000,  
0.0000

129.4090, 36.7734,  
11.9193

207.5980, 23.3692,  
17.8926

104.0560, 35.4684,  
10.4749

232.1070, 11.2862,  
20.0772

79.1160, 34.4528,  
9.5453

248.5430, 3.1833,  
5.6628

54.5780, 33.7320,  
7.3861

30.0400, 33.0113,  
5.2269

10.1160, 31.0018,  
-3.6097

6.1730, 21.1137,

-5.4137

■ 3.6650, 11.5042,  
-3.2142

■ 0.0000, 0.0000,  
0.0000

■ 156.2350, 37.3521,  
12.9489

■ 156.2350, 37.3521,  
12.9489

■ 138.5480, 46.0718,  
16.1824

■ 173.9220, 28.6325,  
9.7154

■ 120.5620, 54.9389,  
18.8011

■ 191.9080, 19.7654,  
7.0967

■ 102.2880, 63.9480,  
22.5494

■ 210.1820, 10.7563,  
3.3484

■ 84.3020, 72.8151,  
25.1681

■ 228.1680, 1.8892,  
0.7297

■ 66.6150, 81.5348,  
28.4016

■ 245.8550, -6.8305,  
-2.5038

■ 52.7600, 88.3653,  
30.9055

■ 252.3780,  
-10.0464, 2.2995

# Harmonies

## Analogous

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



141.4370, 54.0146, -58.2652



156.2350, 37.3521, 12.9489



155.1840, 18.1503, 58.5976

# Triad

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



156.2350, 37.3521, 12.9489



149.2340, -44.9784, 53.2918



122.4810, 19.9759, -107.4158

# Complementary

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



156.2350, 37.3521, 12.9489



209.7650, -37.3521, -12.9489

# 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.



119.9890, -3.9386, -90.3214



156.2350, 37.3521, 12.9489



145.7600, -49.6747, 19.5045

# Square

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



156.2350, 37.3521, 12.9489



150.2580, -27.7352, 76.0727



140.1660, -35.5778, -22.0706



126.8930, 41.9578, -111.2852



# Rectangle

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



156.2350, 37.3521, 12.9489



152.6950, 3.1084, 76.5665



140.1660, -35.5778, -22.0706



119.9560, 12.8397, -105.2014

# Sweetspot

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



156.2350, 37.3521, 12.9489



229.3500, 12.6455, 4.0781



181.5660, 24.8640, -41.7154



111.7860, 7.9935, 2.8187



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.



156.2350, 37.3521, 12.9489



154.4710, 49.5608, 17.1269



170.5870, 30.2766, 42.4582



105.8630, 4.5045, 1.8741



40.4390, 68.3106, 23.2940



11.4950, 19.4760, 6.5819



# Inverse Universe

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



170.2560, 12.1988, 54.1495



173.1040, 16.2177, 71.8228



195.4130, -30.2766, -42.4582



107.3860, 1.2887, 6.6775



66.1750, 22.0987, 98.9475

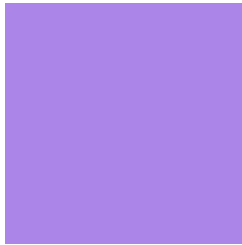


18.8970, 6.4598, 28.1543



# Previews

## White Background



This preview shows how the YUV color 156.2350, 37.3521, 12.9489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

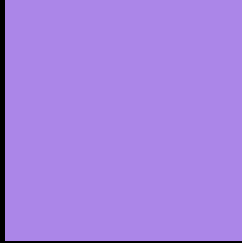
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 156.2350, 37.3521, 12.9489 looks on a black 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

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

# YUV 156.2350, 37.3521, 12.9489

## Background



This preview shows how black text looks on a background with the YUV color 156.2350, 37.3521, 12.9489.



This preview shows how white text looks on a background with the YUV color 156.2350, 37.3521, 12.9489.



# 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

156.2350, 37.3521, 12.9489

### Protanopia

149.7780, 46.9444, -30.5003

### Deuteranopia

150.4980, 38.2085, -28.5007



## Tritanopia

153.6460, 3.6255, 3.8185

# Trichromacy



## Original Color

156.2350, 37.3521, 12.9489

## Protanomaly

152.2530, 43.2593, -15.1309

## Deuteranomaly

152.1840, 37.8703, -13.3164

## Tritanomaly

154.5830, 15.9816, 7.3817

# Monochromacy



## Original Color

156.2350, 37.3521, 12.9489

## Achromatopsia

156.0000, 0.0000, 0.0000

## Achromatomaly

155.9910, 13.8084, 4.3929

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 156.2350, 37.3521, 12.9489 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(171, 134, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 134, 232)  
}
```

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(171, 134, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 134, 232) }
```

## Border

The CSS property to change the border of an element to YUV 156.2350, 37.3521, 12.9489 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(171, 134, 232) }
```



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

```
.border{ border-color:rgb(171, 134, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 134, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 134, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 134, 232);  
box-shadow:4px 4px 4px 4px rgb(171, 134,  
232) }
```

# Background

The CSS property to change the background color of an element to YUV 156.2350, 37.3521, 12.9489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 134, 232) }
```

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

```
.background{ background-color: rgb(171,  
134, 232) }
```

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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