

# Converting Colors

YUV(162.7970, 35.1031,  
34.3810)

Have a look what the booklet for  
YUV(162.7970, 35.1031, 34.3810)  
contains.

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# Color

**YUV(162.7970, 35.1031,  
34.3810)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA81EA
RGB	202, 129, 234
RGB Percent	79%, 51%, 92%
CMY	0.2078, 0.4941, 0.0824
CMYK	0.14, 0.45, 0.00, 0.08
HSL	282°, 71%, 71%
HSV	282°, 45%, 92%
XYZ	47.0587, 34.1976, 81.9624
YIQ	162.7970, 9.8030, 48.1310

# Conversions

## Conversions Part 2

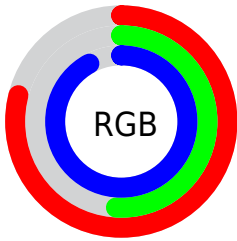
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 129, 234
Decimal	13271530
CIE Lab	65.12, 45.90, -42.07
CIE LCh	65, 62.266, 317.491
Yxy	34.1976, 0.2883, 0.2095
Android (android.graphics.Color)	4291461610 (0xFFCA81EA)
YUV	162.7970, 35.1031, 34.3810
Hunter-Lab	58.4787, 41.3038, -42.1644

# Details

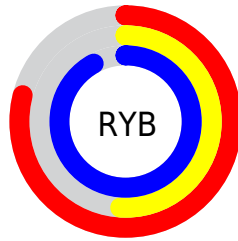
The YUV color **162.7970, 35.1031, 34.3810** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **200.2030, -35.1031, -34.3810**, and the grayscale version is **162.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **212.7360, 20.8362, 37.0655**, and **109.1450, 33.9455, 32.3218** is the 20% darker color. If you saturate the color by 10%, you get **147.2030, 42.7909, 41.9180**, and if you desaturate by 10%, it is **178.3910, 27.4152, 26.8441**.

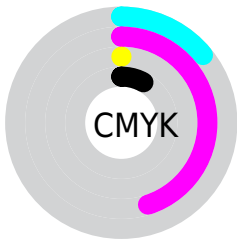
# Distribution



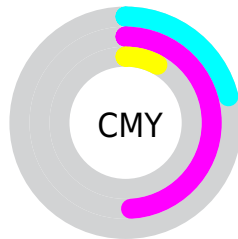
- Red (79%)
- Green (51%)
- Blue (92%)



- Red (79%)
- Yellow (51%)
- Blue (92%)



- Cyan (14%)
- Magenta (45%)
- Yellow (0%)
- Black (8%)




- Cyan (21%)
- Magenta (49%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 162.7970, 35.1031, 34.3810 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 162.7970, 35.1031, 34.3810 by changing the saturation by 10% instead.





 162.7970, 35.1031,  
34.3810


 162.7970, 35.1031,  
34.3810


255.0000, 0.0000,  
0.0000


 135.9710, 34.5243,  
33.3514


 212.7360, 20.8362,  
37.0655

 109.1450, 33.9455,  
32.3218


 229.7590, 12.4438,  
22.1364

 83.3190, 33.3667,  
31.2922

 246.1950, 4.3409,  
7.7220

 56.3190, 33.3667,  
31.2922

 31.0200, 33.5141,  
30.6775

 20.8090, 26.7162,  
17.7075

 9.7010, 20.3604,

2.8932

■ 4.4800, 12.0884,  
-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 162.7970, 35.1031,  
34.3810

■ 162.7970, 35.1031,  
34.3810

■ 147.2030, 42.7909,  
41.9180

■ 178.3910, 27.4152,  
26.8441

■ 131.0220, 50.7682,  
49.9697

■ 194.5720, 19.4380,  
18.7924

■ 115.4280, 58.4560,  
57.5066

■ 210.1660, 11.7502,  
11.2554

■ 98.9480, 66.5806,  
64.9436

■ 226.6460, 3.6255,  
3.8185

■ 83.3540, 74.2685,  
72.4805

■ 242.2400, -4.0623,  
-3.7185

■ 75.4130, 78.1834,  
76.8138

■ 249.6160, -7.6987,  
-4.0482

■ 251.7090, -8.7305,  
0.2552

■ 252.6060, -9.1728,  
2.0995

# Harmonies

## Analogous

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



152.9670, 50.3023, -34.1741



162.7970, 35.1031, 34.3810



158.8120, 12.4177, 77.3409

# Triad

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



162.7970, 35.1031, 34.3810



152.7420, -55.5818, 47.5843



130.2550, 29.4543, -114.2336

# Complementary

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



162.7970, 35.1031, 34.3810



200.2030, -35.1031, -34.3810

# 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.



122.4690, 4.6988, -107.4053



162.7970, 35.1031, 34.3810



147.9450, -53.7099, 7.0642

# Square

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



162.7970, 35.1031, 34.3810



154.8100, -38.3603, 77.3426



139.7010, -30.4186, -43.5878



133.4930, 52.0150, -117.0734



# Rectangle

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



162.7970, 35.1031, 34.3810



154.5240, -4.2023, 88.1175



139.7010, -30.4186, -43.5878



128.0890, 21.1551, -112.3341

# Sweetspot

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



162.7970, 35.1031, 34.3810



232.6390, 11.0240, 10.8406



160.3410, 36.3139, -27.4861



113.5800, 7.1091, 6.5073



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.



162.7970, 35.1031, 34.3810



161.4360, 46.1271, 45.2216



170.1990, 22.0869, 55.9535



109.6460, 3.6255, 3.8185



58.3080, 60.4872, 59.3659



17.2190, 18.1330, 17.3479



# Inverse Universe

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



164.0430, -1.5002, 61.3523



163.0500, -1.9966, 80.6402



192.8010, -22.0869, -55.9535



109.6310, -0.3111, 6.4626



60.3890, -2.6568, 105.7758

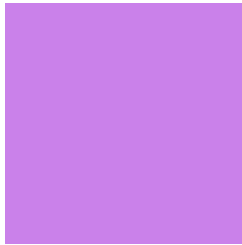


17.9700, -0.9712, 31.5983



# Previews

## White Background



This preview shows how the YUV color 162.7970, 35.1031, 34.3810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

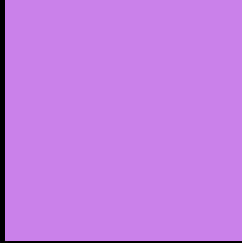
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 162.7970, 35.1031, 34.3810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

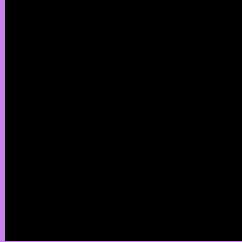
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 162.7970, 35.1031, 34.3810

## Background



This preview shows how black text looks on a background with the YUV color 162.7970, 35.1031, 34.3810.



This preview shows how white text looks on a background with the YUV color 162.7970, 35.1031, 34.3810.



# 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

162.7970, 35.1031, 34.3810

### Protanopia

155.6360, 48.9865, -32.1298

### Deuteranopia

157.1350, 35.4294, -23.7974



## Tritanopia

160.5240, -1.2443, 25.8505

# Trichromacy



## Original Color

162.7970, 35.1031, 34.3810



## Protanomaly

158.4110, 43.6744, -8.2534



## Deuteranomaly

159.2670, 35.3644, -2.8652



## Tritanomaly

161.3900, 12.1327, 28.5990

# Monochromacy



## Original Color

162.7970, 35.1031, 34.3810



## Achromatopsia

163.0000, 0.0000, 0.0000



## Achromatomaly

163.1060, 12.7657, 12.1850

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 162.7970, 35.1031, 34.3810 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(202, 129, 234)` looks like.

```
.text, #text, p{  
    color:rgb(202, 129, 234)  
}
```

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(202, 129, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 129, 234) }
```

## Border

The CSS property to change the border of an element to YUV 162.7970, 35.1031, 34.3810 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(202, 129, 234) }
```



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

```
.border{ border-color:rgb(202, 129, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 129, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 129, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 129, 234);  
box-shadow:4px 4px 4px 4px rgb(202, 129,  
234) }
```

# Background

The CSS property to change the background color of an element to YUV 162.7970, 35.1031, 34.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 129, 234) }
```

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

```
.background{ background-color: rgb(202,  
129, 234) }
```

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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