

# Converting Colors

YUV(198.5270, 27.8412,  
30.2328)

Have a look what the booklet for  
YUV(198.5270, 27.8412, 30.2328)  
contains.

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# Color

**YUV(198.5270, 27.8412,  
30.2328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9AAFF
RGB	233, 170, 255
RGB Percent	91%, 67%, 100%
CMY	0.0863, 0.3333, 0.0000
CMYK	0.09, 0.33, 0.00, 0.00
HSL	284°, 100%, 83%
HSV	284°, 33%, 100%
XYZ	66.0290, 53.2931, 101.4142
YIQ	198.5270, 10.2630, 39.7910

# Conversions

## Conversions Part 2

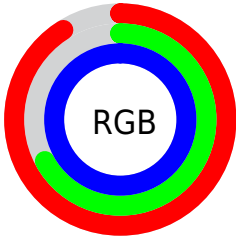
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 170, 255
Decimal	15313663
CIE Lab	78.05, 37.45, -33.17
CIE LCh	78, 50.026, 318.471
Yxy	53.2931, 0.2991, 0.2414
Android (android.graphics.Color)	4293503743 (0xFFE9AAFF)
YUV	198.5270, 27.8412, 30.2328
Hunter-Lab	73.0021, 33.6961, -31.2639

# Details

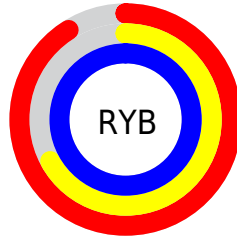
The YUV color **198.5270, 27.8412, 30.2328** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **226.4730, -27.8412, -30.2328**, and the grayscale version is **198.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **237.9770, 8.3923, 14.9292**, and **143.8750, 26.6836, 28.1736** is the 20% darker color. If you saturate the color by 10%, you get **181.7590, 36.1078, 38.7994**, and if you desaturate by 10%, it is **215.2950, 19.5746, 21.6663**.

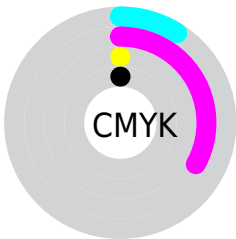
# Distribution



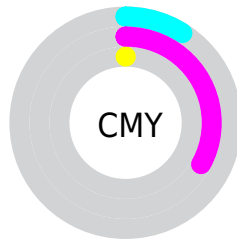
- Red (91%)
- Green (67%)
- Blue (100%)



- Red (91%)
- Yellow (67%)
- Blue (100%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (33%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 198.5270, 27.8412, 30.2328 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 198.5270, 27.8412, 30.2328 by changing the saturation by 10% instead.





 198.5270, 27.8412,  
30.2328


 198.5270, 27.8412,  
30.2328


255.0000, 0.0000,  
0.0000


 170.7010, 27.2624,  
29.2032


 237.9770, 8.3923,  
14.9292

 143.8750, 26.6836,  
28.1736

 117.4620, 26.3942,  
27.6588

 92.2230, 25.5261,  
26.1144

 66.8100, 25.2367,  
25.5996

 41.8100, 25.2367,  
25.5996

 21.6200, 23.3583,

21.3813

■ 13.0180, 16.2601,  
11.3852

■ 3.3230, 10.1938,  
-2.9143

■ 198.5270, 27.8412,  
30.2328

■ 198.5270, 27.8412,  
30.2328

■ 181.7590, 36.1078,  
38.7994

■ 215.2950, 19.5746,  
21.6663

■ 164.7030, 44.5164,  
48.4955

■ 232.3510, 11.1660,  
11.9702

■ 147.9350, 52.7830,  
57.0620

■ 249.7060, 2.6099,  
2.8888

■ 130.8790, 61.1917,  
66.7581

■ 255.0000, 0.0000,  
0.0000

■ 113.5240, 69.7477,  
75.8395

■ 96.7560, 78.0143,  
84.4060

■ 85.5810, 83.5236,  
90.6985

# Harmonies

## Analogous

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



189.9570, 32.0662, -18.3793



198.5270, 27.8412, 30.2328



192.6860, 10.0148, 54.6494

# Triad

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



198.5270, 27.8412, 30.2328



190.3850, -44.0668, 40.8814



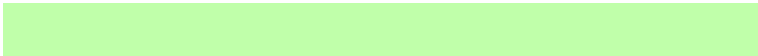
152.5730, 33.7345, -133.8065

# Complementary

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



198.5270, 27.8412, 30.2328



226.4730, -27.8412, -30.2328

# 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.



166.5470, 3.1813, -87.3027



198.5270, 27.8412, 30.2328



186.1480, -41.4850, 6.0092

# Square

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



198.5270, 27.8412, 30.2328



189.1110, -31.6067, 57.7847



179.8360, -25.0621, -34.9362



154.1010, 49.7432, -135.1466



# Rectangle

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



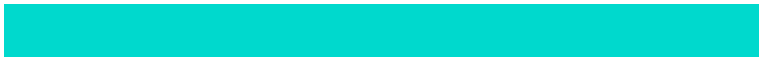
198.5270, 27.8412, 30.2328



187.8640, -3.3840, 58.8783



179.8360, -25.0621, -34.9362



150.7490, 26.7457, -132.2069

# Sweetspot

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



198.5270, 27.8412, 30.2328



238.2320, 8.2666, 8.5665



193.1910, 30.4718, -20.3385



117.4120, 5.2199, 5.7777



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.



198.5270, 27.8412, 30.2328



187.3520, 33.3505, 36.5253



202.8250, 15.8623, 45.7575



119.1730, 4.3517, 4.2333



64.2320, 62.4966, 68.2025



21.3490, 21.0269, 22.4959



# Inverse Universe

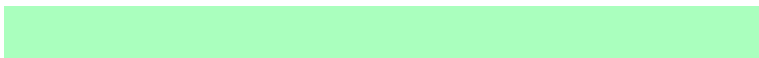
The Inverse Universe completely reimagines the original color for something new.



197.9230, -2.9200, 50.0565



186.4620, -3.6788, 60.1078



222.1750, -15.8623, -45.7575



119.2290, -0.6059, 7.6922



62.6950, -6.7516, 112.5235



20.9600, -2.4453, 37.7461



# Previews

## White Background



This preview shows how the YUV color 198.5270, 27.8412, 30.2328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

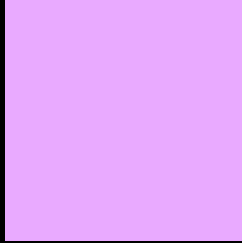
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 198.5270, 27.8412, 30.2328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

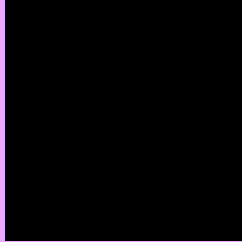
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 198.5270, 27.8412, 30.2328

## Background



This preview shows how black text looks on a background with the YUV color 198.5270, 27.8412, 30.2328.



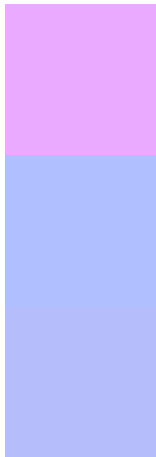
This preview shows how white text looks on a background with the YUV color 198.5270, 27.8412, 30.2328.

30.2328.

# 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

198.5270, 27.8412, 30.2328

### Protanopia

193.5120, 30.3136, -16.2350

### Deuteranopia

194.2630, 27.9713, -11.6317



## Tritanopia

196.1540, -0.0759, 24.4209

# Trichromacy



## Original Color

198.5270, 27.8412, 30.2328



## Protanomaly

195.0950, 29.5332, 0.7937



## Deuteranomaly

195.9490, 27.6331, 3.5527



## Tritanomaly

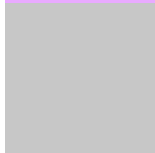
197.0970, 9.8122, 26.2249

# Monochromacy



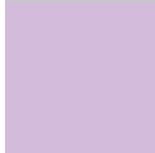
## Original Color

198.5270, 27.8412, 30.2328



## Achromatopsia

199.0000, 0.0000, 0.0000



## Achromatomaly

198.4110, 10.1504, 11.0406

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 198.5270, 27.8412, 30.2328 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(233, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 170, 255)  
}
```

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(233, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 170, 255) }
```

## Border

The CSS property to change the border of an element to YUV 198.5270, 27.8412, 30.2328 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(233, 170, 255) }
```



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

```
.border{ border-color:rgb(233, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 170,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 198.5270, 27.8412, 30.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 170, 255) }
```

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

```
.background{ background-color: rgb(233,  
170, 255) }
```

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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