

# Converting Colors

YUV(198.8590, 27.6775,  
36.0807)

Have a look what the booklet for  
YUV(198.8590, 27.6775, 36.0807)  
contains.

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# Color

**YUV(198.8590, 27.6775,  
36.0807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A7FF
RGB	240, 167, 255
RGB Percent	94%, 65%, 100%
CMY	0.0588, 0.3451, 0.0000
CMYK	0.06, 0.35, 0.00, 0.00
HSL	290°, 100%, 83%
HSV	290°, 35%, 100%
XYZ	67.8039, 53.3827, 101.3380
YIQ	198.8590, 15.2600, 42.8440

# Conversions

## Conversions Part 2

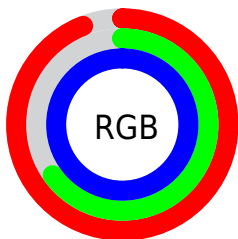
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 167, 255
Decimal	15771647
CIE Lab	78.10, 41.16, -33.03
CIE LCh	78, 52.769, 321.253
Yxy	53.3827, 0.3047, 0.2399
Android (android.graphics.Color)	4293961727 (0xFFFF0A7FF)
YUV	198.8590, 27.6775, 36.0807
Hunter-Lab	73.0635, 37.7894, -31.0900

# Details

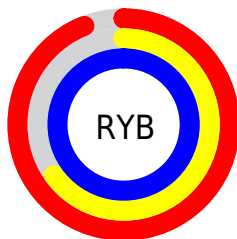
The YUV color **198.8590, 27.6775, 36.0807** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **223.1410, -27.6775, -36.0807**, and the grayscale version is **199.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.2160, 9.2605, 16.4736**, and **144.2070, 26.5199, 34.0215** is the 20% darker color. If you saturate the color by 10%, you get **182.9880, 35.5019, 46.4915**, and if you desaturate by 10%, it is **215.3170, 19.5637, 25.1550**.

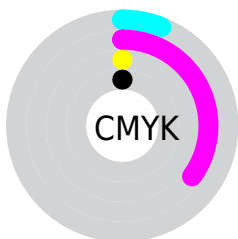
# Distribution



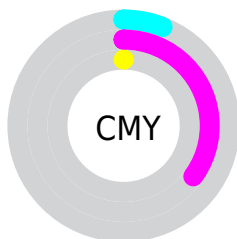
- Red (94%)
- Green (65%)
- Blue (100%)



- Red (94%)
- Yellow (65%)
- Blue (100%)



- Cyan (6%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 198.8590, 27.6775, 36.0807 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 198.8590, 27.6775, 36.0807 by changing the saturation by 10% instead.





 198.8590, 27.6775,  
36.0807


 198.8590, 27.6775,  
36.0807


255.0000, 0.0000,  
0.0000


 171.0330, 27.0987,  
35.0511


 236.2160, 9.2605,  
16.4736


 144.2070, 26.5199,  
34.0215

 253.2390, 0.8682,  
1.5444

 117.4950, 26.3780,  
32.8919

 91.6690, 25.7992,  
31.8623

 66.2560, 25.5098,  
31.3475

 39.1960, 26.5254,  
32.2771

 23.1150, 22.6213,

24.4551

■ 14.2140, 15.6705,  
13.8443

■ 3.3230, 10.1938,  
-2.9143

■ 198.8590, 27.6775,  
36.0807

■ 198.8590, 27.6775,  
36.0807

■ 182.9880, 35.5019,  
46.4915

■ 215.3170, 19.5637,  
25.1550

■ 166.2310, 43.7631,  
56.8024

■ 231.4870, 11.5919,  
15.3589

■ 150.3600, 51.5875,  
67.2133

■ 247.9450, 3.4781,  
4.4332

■ 133.9020, 59.7013,  
78.1389

■ 255.0000, 0.0000,  
0.0000

■ 117.7320, 67.6731,  
87.9350

■ 101.2740, 75.7869,  
98.8607

■ 92.4580, 80.1332,  
104.8383

# Harmonies

## Analogous

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



190.5770, 31.7605, -13.6610



198.8590, 27.6775, 36.0807



190.5830, 9.5726, 56.4937

# Triad

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



198.8590, 27.6775, 36.0807



189.5760, -47.1190, 39.8368



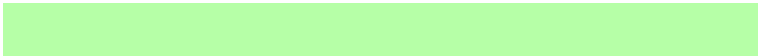
153.8440, 36.0659, -134.9212

# Complementary

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



198.8590, 27.6775, 36.0807



223.1410, -27.6775, -36.0807

# 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.



158.6200, 9.0613, -106.6607



198.8590, 27.6775, 36.0807



185.4850, -42.6371, 2.2057

# Square

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



198.8590, 27.6775, 36.0807



188.3130, -34.6643, 58.4845



178.4330, -23.8775, -41.5987



154.1010, 49.7432, -135.1466



# Rectangle

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



198.8590, 27.6775, 36.0807



186.1200, -4.9892, 60.4078



178.4330, -23.8775, -41.5987



152.0200, 29.0771, -133.3215

# Sweetspot

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



198.8590, 27.6775, 36.0807



239.1290, 7.8244, 10.4109



186.4240, 33.8080, -17.0348



117.7110, 5.0725, 6.3925



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.



198.8590, 27.6775, 36.0807



187.9830, 33.0394, 42.9879



200.1520, 13.2361, 48.1017



119.4720, 4.2043, 4.8481



69.3150, 59.9907, 78.6537



23.1430, 20.1425, 26.1846



# Inverse Universe

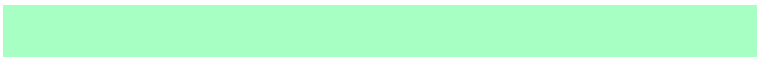
The Inverse Universe completely reimagines the original color for something new.



195.0220, -6.4198, 52.6007



183.4470, -7.6154, 62.7520



221.8480, -13.2361, -48.1017



119.1150, -1.0427, 7.7921



60.8710, -13.7404, 114.1231

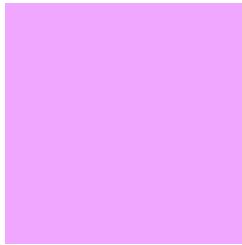


20.3900, -4.6293, 38.2460



# Previews

## White Background



This preview shows how the YUV color 198.8590, 27.6775, 36.0807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

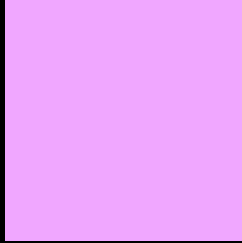
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 198.8590, 27.6775, 36.0807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

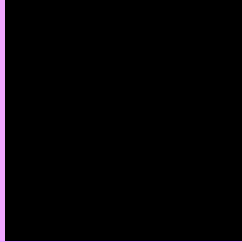
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 198.8590, 27.6775, 36.0807

## Background



This preview shows how black text looks on a background with the YUV color 198.8590, 27.6775, 36.0807.



This preview shows how white text looks on a background with the YUV color 198.8590, 27.6775,



# 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

198.8590, 27.6775, 36.0807

### Protanopia

193.5120, 30.3136, -16.2350

### Deuteranopia

194.5620, 27.8239, -11.0169



## Tritanopia

196.1440, -1.5500, 30.5687

# Trichromacy



## Original Color

198.8590, 27.6775, 36.0807



## Protanomaly

195.4050, 29.3803, 3.1528



## Deuteranomaly

196.2590, 27.4803, 5.9119



## Tritanomaly

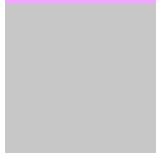
197.3150, 9.2117, 32.1727

# Monochromacy



## Original Color

198.8590, 27.6775, 36.0807



## Achromatopsia

199.0000, 0.0000, 0.0000



## Achromatomaly

198.7210, 9.9975, 13.3997

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 198.8590, 27.6775, 36.0807 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(240, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 167, 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(240, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 167, 255) }
```

## Border

The CSS property to change the border of an element to YUV 198.8590, 27.6775, 36.0807 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(240, 167, 255) }
```



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

```
.border{ border-color:rgb(240, 167, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 167,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 198.8590, 27.6775, 36.0807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 167, 255) }
```

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

```
.background{ background-color: rgb(240,  
167, 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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