

# Converting Colors

YUV(106.8750, 34.0786,  
129.9056)

Have a look what the booklet for  
YUV(106.8750, 34.0786, 129.9056)  
contains.

<b>YUV(106.8750, 34.0786, 129.9056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(106.8750, 34.0786,  
129.9056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF12B0
RGB	255, 18, 176
RGB Percent	100%, 7%, 69%
CMY	0.0000, 0.9294, 0.3098
CMYK	0.00, 0.93, 0.31, 0.00
HSL	320°, 100%, 54%
HSV	320°, 93%, 100%
XYZ	49.2928, 24.8272, 43.2684
YIQ	106.8750, 90.5340, 99.3820

# Conversions

## Conversions Part 2

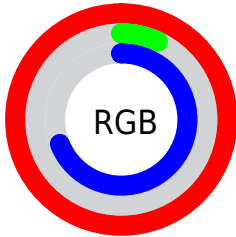
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 18, 176
Decimal	16716464
CIE <sub>Lab</sub>	56.91, 87.46, -21.34
CIE <sub>LCh</sub>	57, 90.028, 346.289
Yxy	24.8272, 0.4199, 0.2115
Android (android.graphics.Color)	4294906544 (0xFFFF12B0)
YUV	106.8750, 34.0786, 129.9056
Hunter-Lab	49.8269, 89.3895, -16.6071

# Details

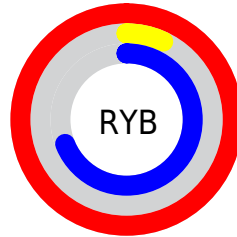
The YUV color **106.8750, 34.0786, 129.9056** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **166.1250, -34.0786, -129.9056**, and the grayscale version is **106.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **164.3280, 33.3623, 79.5193**, and **71.7290, 25.2766, 106.3547** is the 20% darker color. If you saturate the color by 10%, you get **95.6250, 36.6669, 139.7719**, and if you desaturate by 10%, it is **123.1630, 30.4856, 115.6210**.

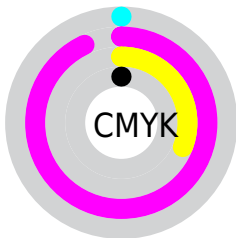
# Distribution



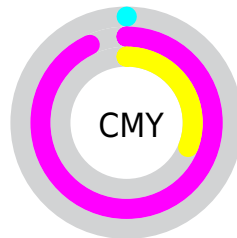
- Red (100%)
- Green (7%)
- Blue (69%)



- Red (100%)
- Yellow (7%)
- Blue (69%)



- Cyan (0%)
- Magenta (93%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 106.8750, 34.0786, 129.9056 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 106.8750, 34.0786, 129.9056 by changing the saturation by 10% instead.





 106.8750, 34.0786,  
129.9056


 106.8750, 34.0786,  
129.9056


255.0000, 0.0000,  
0.0000


 83.9620, 32.0637,  
122.8133


 164.3280, 33.3623,  
79.5193


 71.7290, 25.2766,  
106.3547


 185.7340, 34.1481,  
60.7463

 59.6100, 18.9263,  
89.7960

 203.9310, 25.1770,  
44.7875

 47.9040, 12.8653,  
73.7522

 222.1280, 16.2059,  
28.8287

 36.3120, 7.2412,  
57.6084

 240.3250, 7.2348,  
12.8700

 25.2470, 2.3432,  
41.8794

 12.9710, -5.9017,

26.3354

■ 0.0000, 0.0000,  
0.0000

■ 106.8750, 34.0786,  
129.9056

■ 106.8750, 34.0786,  
129.9056

■ 95.6250, 36.6669,  
139.7719

■ 123.1630, 30.4856,  
115.6210

■ 138.7500, 26.7452,  
101.9513

■ 155.0380, 23.1523,  
87.6667

■ 170.6250, 19.4119,  
73.9969

■ 186.9130, 15.8189,  
59.7123

202.5000, 12.0785,  
46.0425

218.7880, 8.4855,  
31.7579

234.3750, 4.7451,  
18.0881

250.6630, 1.1521,  
3.8035

# Harmonies

## Analogous

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



137.7980, 53.8366, 45.7812



106.8750, 34.0786, 129.9056



87.4170, 5.2174, 146.9703

# Triad

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



106.8750, 34.0786, 129.9056



123.3760, -60.8244, 2.3012



126.5290, 60.8712, -110.9659

# Complementary

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



106.8750, 34.0786, 129.9056



166.1250, -34.0786, -129.9056

# 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.



119.6090, 29.2798, -104.8971



106.8750, 34.0786, 129.9056



93.9200, -46.3026, -82.3678

# Square

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



106.8750, 34.0786, 129.9056



128.7450, -63.4713, 58.1056



108.9730, -6.3957, -95.5693



121.2290, 65.9491, -106.3178



# Rectangle

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



106.8750, 34.0786, 129.9056



115.0620, -33.5546, 122.7256



108.9730, -6.3957, -95.5693



124.7220, 51.4091, -109.3812

# Sweetspot

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



106.8750, 34.0786, 129.9056



210.5870, 10.0636, 38.9502



68.6390, 91.8760, 24.8726



100.4620, 6.1812, 24.1508



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.



106.8750, 34.0786, 129.9056



95.6250, 36.6669, 139.7719



93.4230, -17.4635, 141.7030



119.7990, 1.5781, 7.1923



71.7010, 27.7554, 104.6252



24.0380, 9.3483, 35.0467



# Inverse Universe

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



106.8750, 34.0786, 129.9056



95.6250, 36.6669, 139.7719



179.5770, 17.4635, -141.7030



119.7990, 1.5781, 7.1923



71.7010, 27.7554, 104.6252



24.0380, 9.3483, 35.0467



# Previews

## White Background



This preview shows how the YUV color 106.8750, 34.0786, 129.9056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

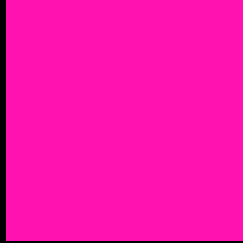
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 106.8750, 34.0786, 129.9056 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 × Fail

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

# YUV 106.8750, 34.0786, 129.9056 Background



This preview shows how black text looks on a background with the YUV color 106.8750, 34.0786, 129.9056.



This preview shows how white text looks on a background with the YUV color 106.8750, 34.0786, 129.9056.

129.9056.

# 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

106.8750, 34.0786, 129.9056

### Protanopia

131.0780, 58.6285, -44.7954

### Deuteranopia

138.3170, 12.6617, -1.1550



## Tritanopia

124.2650, -24.7806, 108.5156

# Trichromacy



## Original Color

106.8750, 34.0786, 129.9056



## Protanomaly

122.4820, 49.5554, 18.8713



## Deuteranomaly

126.9760, 20.2248, 46.5020



## Tritanomaly

118.2270, -3.5629, 116.4419

# Monochromacy



## Original Color

106.8750, 34.0786, 129.9056



## Achromatopsia

107.0000, 0.0000, 0.0000



## Achromatomaly

107.2120, 12.2205, 47.1721

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 106.8750, 34.0786, 129.9056 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(255, 18, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 176)  
}
```

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(255, 18, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 176) }
```

## Border

The CSS property to change the border of an element to YUV 106.8750, 34.0786, 129.9056 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(255, 18, 176) }
```



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

```
.border{ border-color:rgb(255, 18, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
176) }
```

# Background

The CSS property to change the background color of an element to YUV 106.8750, 34.0786, 129.9056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 176) }
```

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

```
.background{ background-color: rgb(255, 18,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor