

# Converting Colors

YUV(120.6600, 3.1256,  
117.8162)

Have a look what the booklet for  
YUV(120.6600, 3.1256, 117.8162)  
contains.

<b>YUV(120.6600, 3.1256, 117.8162)</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(120.6600, 3.1256,  
117.8162)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF337F
RGB	255, 51, 127
RGB Percent	100%, 20%, 50%
CMY	0.0000, 0.8000, 0.5020
CMYK	0.00, 0.80, 0.50, 0.00
HSL	338°, 100%, 60%
HSV	338°, 80%, 100%
XYZ	46.2546, 25.1600, 22.4971
YIQ	120.6600, 97.1880, 66.8840

# Conversions

## Conversions Part 2

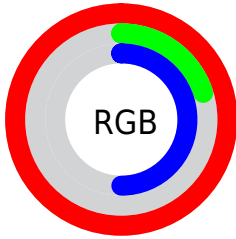
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 127
Decimal	16724863
CIE <sub>Lab</sub>	57.23, 77.64, 8.02
CIE <sub>LCh</sub>	57, 78.049, 5.900
Yxy	25.1600, 0.4925, 0.2679
Android (android.graphics.Color)	4294914943 (0xFFFF337F)
YUV	120.6600, 3.1256, 117.8162
Hunter-Lab	50.1597, 76.8237, 8.5196

# Details

The YUV color **120.6600, 3.1256, 117.8162** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **185.3400, -3.1256, -117.8162**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **165.9170, 6.4499, 78.1258**, and **66.3000, 5.7681, 110.2389** is the 20% darker color. If you saturate the color by 10%, you get **103.5740, 3.6610, 132.8006**, and if you desaturate by 10%, it is **137.7460, 2.5902, 102.8318**.

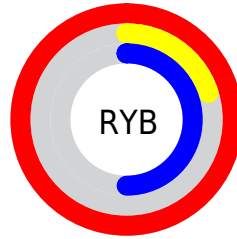
# Distribution



Red (100%)

Green (20%)

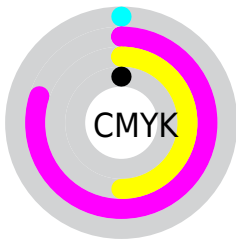
Blue (50%)



Red (100%)

Yellow (20%)

Blue (50%)

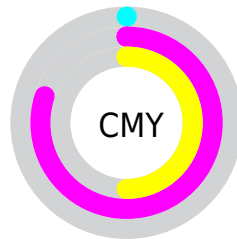


Cyan (0%)

Magenta (80%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 120.6600, 3.1256, 117.8162 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 120.6600, 3.1256, 117.8162 by changing the saturation by 10% instead.



 120.6600, 3.1256,  
117.8162


 120.6600, 3.1256,  
117.8162


255.0000, 0.0000,  
0.0000


 78.3050, 11.6816,  
126.8975


 165.9170, 6.4499,  
78.1258


 66.3000, 5.7681,  
110.2389


 186.7190, 9.9985,  
59.8824


 54.2240, 0.8756,  
92.7656


 207.5210, 13.5471,  
41.6391

 42.5610, -3.7276,  
75.8070

 227.9980, 13.3120,  
23.6808

 31.0830, -8.9149,  
59.5632

 245.6080, 4.6303,  
8.2368

 20.9730, -8.8607,  
42.1197

 10.8780, -4.8699,

22.0320

■ 0.0000, 0.0000,  
0.0000

■ 120.6600, 3.1256,  
117.8162

■ 120.6600, 3.1256,  
117.8162

■ 103.5740, 3.6610,  
132.8006

■ 137.7460, 2.5902,  
102.8318

■ 87.0750, 3.9070,  
147.2702

■ 154.2450, 2.3442,  
88.3621

■ 171.3310, 1.8088,  
73.3777

■ 187.8300, 1.5628,  
58.9081

■ 204.9160, 1.0274,  
43.9237

■ 221.4150, 0.7814,  
29.4540

■ 238.5010, 0.2460,  
14.4696

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



133.4270, 29.8625, 82.0635



120.6600, 3.1256, 117.8162



125.7070, -31.9006, 105.4970

# Triad

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



120.6600, 3.1256, 117.8162



114.9050, -56.6482, -30.6117



122.4030, 65.3703, -107.3474

# Complementary

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



120.6600, 3.1256, 117.8162



185.3400, -3.1256, -117.8162

# 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.



122.0660, 46.3095, -107.0519



120.6600, 3.1256, 117.8162



105.1600, -13.3899, -92.2253

# Square

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



120.6600, 3.1256, 117.8162



127.6390, -62.9260, 23.1186



115.0150, 16.7546, -100.8682



112.4240, 70.2900, -98.5958



# Rectangle

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



120.6600, 3.1256, 117.8162



126.7620, -59.0427, 84.4007



115.0150, 16.7546, -100.8682



123.5940, 62.3182, -108.3919

# Sweetspot

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



120.6600, 3.1256, 117.8162



214.8610, 1.0545, 35.2019



111.9300, 70.5335, 57.0664



103.5450, 0.2243, 21.4470



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.



120.6600, 3.1256, 117.8162



93.6290, 3.6339, 141.5224



126.0840, -37.0164, 113.0593



119.4570, 0.2677, 7.4922



65.2030, 2.8579, 110.3240



21.8720, 1.0491, 36.9463



# Inverse Universe

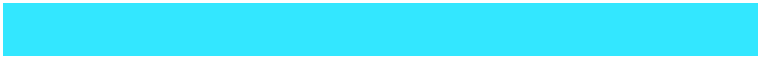
The Inverse Universe completely reimagines the original color for something new.



120.6600, 3.1256, 117.8162



93.6290, 3.6339, 141.5224



179.9160, 37.0164, -113.0593



119.4570, 0.2677, 7.4922



65.2030, 2.8579, 110.3240

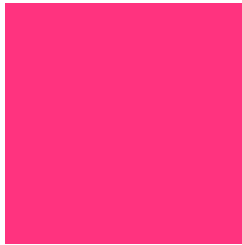


21.8720, 1.0491, 36.9463



# Previews

## White Background



This preview shows how the YUV color 120.6600, 3.1256, 117.8162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

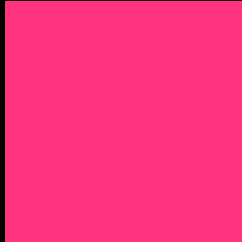
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 120.6600, 3.1256, 117.8162 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 120.6600, 3.1256, 117.8162 Background



This preview shows how black text looks on a background with the YUV color 120.6600, 3.1256, 117.8162.



This preview shows how white text looks on a background with the YUV color 120.6600, 3.1256,



# 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

120.6600, 3.1256, 117.8162

### Protanopia

138.1250, 17.1934, -8.0026

### Deuteranopia

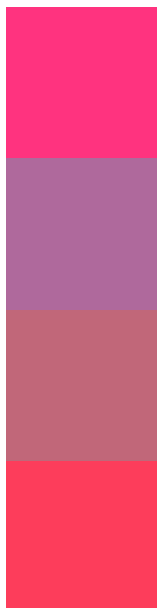
138.0640, -10.3846, 17.4839



## Tritanopia

122.6570, -25.9599, 113.4338

# Trichromacy



## Original Color

120.6600, 3.1256, 117.8162

## Protanomaly

131.7440, 11.9582, 37.9355

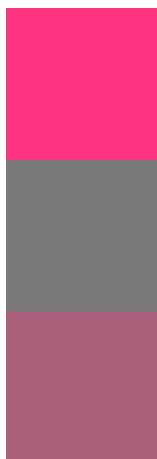
## Deuteranomaly

131.9620, -5.4043, 53.5303

## Tritanomaly

121.8280, -15.1982, 115.0378

# Monochromacy



## Original Color

120.6600, 3.1256, 117.8162

## Achromatopsia

121.0000, 0.0000, 0.0000

## Achromatomaly

121.2040, 0.8854, 42.7941

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.6600, 3.1256, 117.8162 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, 51, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 127)  
}
```

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, 51, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 127) }
```

## Border

The CSS property to change the border of an element to YUV 120.6600, 3.1256, 117.8162 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, 51, 127) }
```



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

```
.border{ border-color:rgb(255, 51, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
127) }
```

# Background

The CSS property to change the background color of an element to YUV 120.6600, 3.1256, 117.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 127) }
```

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

```
.background{ background-color: rgb(255, 51,  
127) }
```

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**