

# Converting Colors

YUV(113.8110, 44.4632,  
112.4218)

Have a look what the booklet for  
YUV(113.8110, 44.4632, 112.4218)  
contains.

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# Color

**YUV(113.8110, 44.4632,  
112.4218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F21FCC
RGB	242, 31, 204
RGB Percent	95%, 12%, 80%
CMY	0.0510, 0.8784, 0.2000
CMYK	0.00, 0.87, 0.16, 0.05
HSL	311°, 89%, 54%
HSV	311°, 87%, 95%
XYZ	48.0070, 24.2169, 59.2708
YIQ	113.8110, 70.2230, 98.5350

# Conversions

## Conversions Part 2

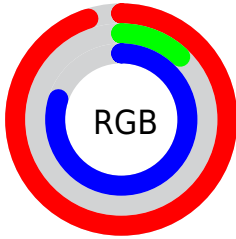
Format	Color
R <sub>Y</sub> B	242, 31, 204
Decimal	15867852
CIE Lab	56.30, 86.54, -38.64
CIE LCh	56, 94.770, 335.939
Yxy	24.2169, 0.3651, 0.1842
Android (android.graphics.Color)	4294057932 (0xFFFF21FCC)
YUV	113.8110, 44.4632, 112.4218
Hunter-Lab	49.2106, 88.0156, -36.9633

# Details

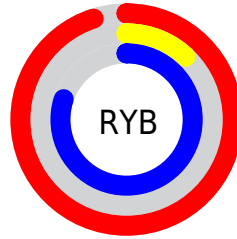
The YUV color **113.8110, 44.4632, 112.4218** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **159.1890, -44.4632, -112.4218**, and the grayscale version is **113.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **168.7110, 42.5405, 75.6755**, and **71.1050, 38.4022, 96.3779** is the 20% darker color. If you saturate the color by 10%, you get **99.2670, 49.6614, 125.1768**, and if you desaturate by 10%, it is **128.3550, 39.2650, 99.6667**.

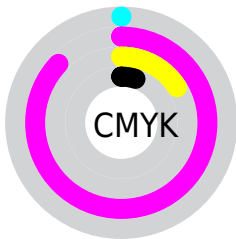
# Distribution



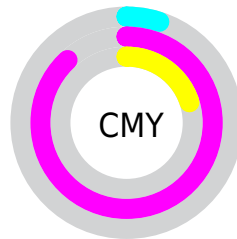
- Red (95%)
- Green (12%)
- Blue (80%)



- Red (95%)
- Yellow (12%)
- Blue (80%)



- Cyan (0%)
- Magenta (87%)
- Yellow (16%)
- Black (5%)




- Cyan (5%)
- Magenta (88%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 113.8110, 44.4632, 112.4218 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 113.8110, 44.4632, 112.4218 by changing the saturation by 10% instead.





 113.8110, 44.4632,  
112.4218

 113.8110, 44.4632,  
112.4218


255.0000, 0.0000,  
0.0000


 83.1530, 45.7736,  
112.1218


 168.7110, 42.5405,  
75.6755


 71.1050, 38.4022,  
96.3779


 187.4950, 33.2800,  
59.2019


 59.1710, 31.4677,  
80.5340


 205.1050, 24.5982,  
43.7579

 47.6500, 24.8225,  
65.2049

 223.3020, 15.6271,  
27.7991

 36.1290, 18.1774,  
49.8759

 240.9120, 6.9454,  
12.3552

 25.1350, 12.2584,  
34.9616

 13.6570, 7.0711,

18.7178

■ 0.0000, 0.0000,  
0.0000

■ 113.8110, 44.4632,  
112.4218

■ 113.8110, 44.4632,  
112.4218

■ 99.2670, 49.6614,  
125.1768

■ 128.3550, 39.2650,  
99.6667

■ 94.9300, 50.8135,  
128.9804

■ 143.0130, 34.5036,  
86.8116

■ 158.1440, 29.0160,  
73.5417

■ 172.6880, 23.8178,  
60.7866

■ 187.3460, 19.0564,  
47.9316

201.8900, 13.8582,  
35.1765

216.5480, 9.0968,  
22.3214

231.6790, 3.6093,  
9.0515

246.2230, -1.5889,  
-3.7036

# Harmonies

## Analogous

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



133.7830, 59.7600, 12.4683



113.8110, 44.4632, 112.4218



90.2670, 16.1374, 144.4708

# Triad

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



113.8110, 44.4632, 112.4218



125.2690, -61.7576, 21.6891



124.9500, 52.2826, -109.5812

# Complementary

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



113.8110, 44.4632, 112.4218



159.1890, -44.4632, -112.4218

# 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.



115.7160, 16.9020, -101.4829



113.8110, 44.4632, 112.4218



107.1200, -52.8102, -48.3402

# Square

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



113.8110, 44.4632, 112.4218



125.6320, -61.9366, 79.2527



103.8090, -21.1048, -91.0405



123.5770, 64.7915, -108.3770



# Rectangle

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



113.8110, 44.4632, 112.4218



84.1110, -7.4497, 149.8697



103.8090, -21.1048, -91.0405



122.6870, 41.0733, -107.5965

# Sweetspot

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



113.8110, 44.4632, 112.4218



214.8900, 13.8582, 35.1765



65.5190, 87.0051, 0.4218



103.6080, 8.0813, 21.3918



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.



113.8110, 44.4632, 112.4218



100.0710, 53.7020, 135.8727



102.0690, -0.5270, 122.7195



112.7280, 2.5991, 6.3775



72.2300, 38.8336, 98.0223



21.9880, 11.8379, 29.8285



# Inverse Universe

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



113.8110, 44.4632, 112.4218



100.0710, 53.7020, 135.8727



170.9310, 0.5270, -122.7195



112.7280, 2.5991, 6.3775



72.2300, 38.8336, 98.0223



21.9880, 11.8379, 29.8285



# Previews

## White Background



This preview shows how the YUV color 113.8110, 44.4632, 112.4218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

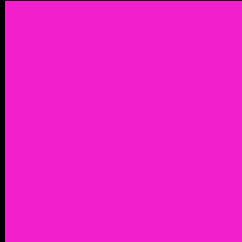
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 113.8110, 44.4632, 112.4218 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 113.8110, 44.4632, 112.4218 Background



This preview shows how black text looks on a background with the YUV color 113.8110, 44.4632, 112.4218.



This preview shows how white text looks on a background with the YUV color 113.8110, 44.4632, 112.4218.



# 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

113.8110, 44.4632, 112.4218

### Protanopia

126.8860, 63.1602, -51.6430

### Deuteranopia

134.9310, 28.1350, -17.4795



## Tritanopia

128.8220, -19.6322, 90.4871

# Trichromacy



## Original Color

113.8110, 44.4632, 112.4218



## Protanomaly

121.8380, 56.2819, 8.0351



## Deuteranomaly

127.4220, 33.8090, 29.4479



## Tritanomaly

123.6530, 3.6221, 98.5283

# Monochromacy



## Original Color

113.8110, 44.4632, 112.4218



## Achromatopsia

114.0000, 0.0000, 0.0000



## Achromatomaly

114.2050, 16.1679, 41.0392

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 113.8110, 44.4632, 112.4218 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(242, 31, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 31, 204)  
}
```

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(242, 31, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 31, 204) }
```

## Border

The CSS property to change the border of an element to YUV 113.8110, 44.4632, 112.4218 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(242, 31, 204) }
```



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

```
.border{ border-color:rgb(242, 31, 204) }
```

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

Here you see how a box with a 4 pixel rgb(242, 31, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 31, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 31, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 31,  
204) }
```

# Background

The CSS property to change the background color of an element to YUV 113.8110, 44.4632, 112.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 31, 204) }
```

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

```
.background{ background-color: rgb(242, 31,  
204) }
```

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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