

# Converting Colors

YUV(108.7510, 65.6918,  
116.8594)

Have a look what the booklet for  
YUV(108.7510, 65.6918, 116.8594)  
contains.

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# Color

**YUV(108.7510, 65.6918,  
116.8594)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F20FF2
RGB	242, 15, 242
RGB Percent	95%, 6%, 95%
CMY	0.0510, 0.9412, 0.0510
CMYK	0.00, 0.94, 0.00, 0.05
HSL	300°, 90%, 50%
HSV	300°, 94%, 95%
XYZ	52.8158, 25.6297, 86.1677
YIQ	108.7510, 62.4250, 118.7210

# Conversions

## Conversions Part 2

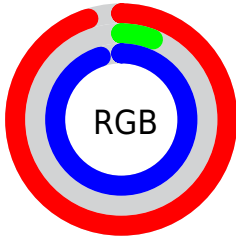
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 15, 242
Decimal	15863794
CIE Lab	57.68, 93.46, -57.95
CIE LCh	58, 109.972, 328.199
Yxy	25.6297, 0.3208, 0.1557
Android (android.graphics.Color)	4294053874 (0xFFFF20FF2)
YUV	108.7510, 65.6918, 116.8594
Hunter-Lab	50.6258, 97.6266, -65.4766

# Details

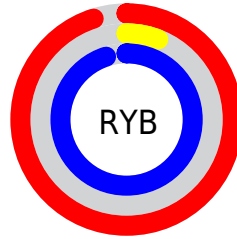
The YUV color **108.7510, 65.6918, 116.8594** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **148.2490, -65.6918, -116.8594**, and the grayscale version is **108.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **166.9500, 43.4087, 77.2199**, and **75.2090, 54.1270, 92.7787** is the 20% darker color. If you saturate the color by 10%, you get **99.9460, 70.0326, 124.5814**, and if you desaturate by 10%, it is **122.8390, 58.7464, 104.5042**.

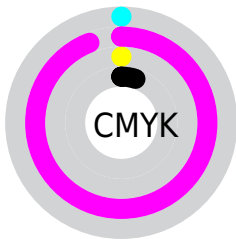
# Distribution



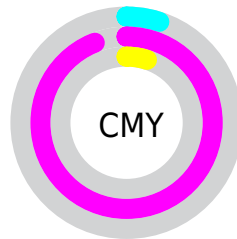
- Red (95%)
- Green (6%)
- Blue (95%)



- Red (95%)
- Yellow (6%)
- Blue (95%)



- Cyan (0%)
- Magenta (94%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (94%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 108.7510, 65.6918, 116.8594 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 108.7510, 65.6918, 116.8594 by changing the saturation by 10% instead.




 108.7510, 65.6918,  
116.8594


 108.7510, 65.6918,  
116.8594


255.0000, 0.0000,  
0.0000


 87.3710, 61.9351,  
108.4226


 166.9500, 43.4087,  
77.2199


 75.2090, 54.1270,  
92.7787


 185.7340, 34.1481,  
60.7463

 63.0470, 46.3188,  
77.1348


 204.5180, 24.8876,  
44.2727

 51.1130, 39.3843,  
61.2909

 222.1280, 16.2059,  
28.8287

 39.1790, 32.4498,  
45.4470

 240.3250, 7.2348,  
12.8700

 28.2560, 25.5098,  
31.3475

 15.8380, 19.3069,

14.1741

■ 4.9360, 13.8356,  
-4.3289

■ 0.5700, 2.1840,  
-0.4999

■ 108.7510, 65.6918,  
116.8594

■ 108.7510, 65.6918,  
116.8594

■ 99.9460, 70.0326,  
124.5814

■ 122.8390, 58.7464,  
104.5042

■ 136.9270, 51.8010,  
92.1490

■ 151.6020, 44.5662,  
79.2790

■ 165.6900, 37.6208,  
66.9239

■ 179.7780, 30.6754,  
54.5687

■ 193.8660, 23.7301,  
42.2135

■ 207.9540, 16.7847,  
29.8583

■ 222.6290, 9.5499,  
16.9884

■ 236.7170, 2.6045,  
4.6332

# Harmonies

## Analogous

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



121.3920, 65.8687, -33.6698



108.7510, 65.6918, 116.8594



93.2310, 27.4941, 141.8714

# Triad

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



108.7510, 65.6918, 116.8594



130.6840, -64.4272, 37.9881



129.3040, 48.6571, -113.3996

# Complementary

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



108.7510, 65.6918, 116.8594



148.2490, -65.6918, -116.8594

# 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.



116.9580, 6.4297, -102.5722



108.7510, 65.6918, 116.8594



114.5730, -56.4845, -36.4595

# Square

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



108.7510, 65.6918, 116.8594



123.1500, -60.7129, 106.8625



99.7900, -49.1965, -87.5158



130.0340, 61.6082, -114.0398



# Rectangle

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



108.7510, 65.6918, 116.8594



86.0490, -0.0242, 148.1700



99.7900, -49.1965, -87.5158



125.7700, 35.1164, -110.3003

# Sweetspot

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



108.7510, 65.6918, 116.8594



213.3230, 20.5468, 36.5507



40.8780, 99.1531, -22.6950



102.1720, 12.7332, 22.6512



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.



108.7510, 65.6918, 116.8594



105.3150, 73.7947, 131.2737



95.8690, 16.3336, 128.1569



112.9560, 3.4727, 6.1776



75.9920, 53.2479, 94.7230



23.1280, 16.2059, 28.8287



# Inverse Universe

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



108.7510, 65.6918, 116.8594



105.3150, 73.7947, 131.2737



161.2450, -15.8968, -128.2569



112.9560, 3.4727, 6.1776



75.9920, 53.2479, 94.7230



23.1280, 16.2059, 28.8287



# Previews

## White Background



This preview shows how the YUV color 108.7510, 65.6918, 116.8594 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

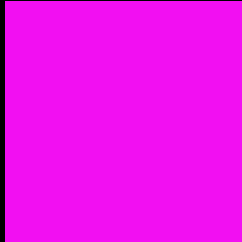
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 108.7510, 65.6918, 116.8594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

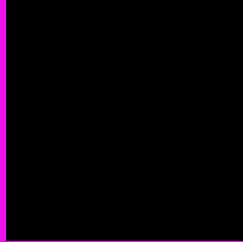
Any Text WCAG AA ✓ Pass

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 108.7510, 65.6918, 116.8594 Background



This preview shows how black text looks on a background with the YUV color 108.7510, 65.6918, 116.8594.



This preview shows how white text looks on a background with the YUV color 108.7510, 65.6918, 116.8594.



# 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

108.7510, 65.6918, 116.8594

### Protanopia

131.6260, 60.8234, -48.7840

### Deuteranopia

133.2880, 46.6930, -43.2256



## Tritanopia

135.8530, -16.6895, 79.9359

# Trichromacy



## Original Color

108.7510, 65.6918, 116.8594



## Protanomaly

123.1680, 62.5282, 11.2537



## Deuteranomaly

124.4860, 53.4974, 14.4828



## Tritanomaly

126.1390, 13.2425, 92.8401

# Monochromacy



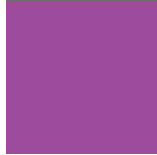
## Original Color

108.7510, 65.6918, 116.8594



## Achromatopsia

109.0000, 0.0000, 0.0000



## Achromatomaly

108.8660, 23.7301, 42.2135

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 108.7510, 65.6918, 116.8594 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, 15, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 15, 242)  
}
```

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, 15, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 15, 242) }
```

## Border

The CSS property to change the border of an element to YUV 108.7510, 65.6918, 116.8594 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, 15, 242) }
```



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

```
.border{ border-color:rgb(242, 15, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 15, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 15, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 15, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 15,  
242) }
```

# Background

The CSS property to change the background color of an element to YUV 108.7510, 65.6918, 116.8594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 15, 242) }
```

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

```
.background{ background-color: rgb(242, 15,  
242) }
```

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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