

# Converting Colors

YUV(104.7270, 55.3506,  
120.3884)

Have a look what the booklet for  
YUV(104.7270, 55.3506, 120.3884)  
contains.

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# Color

**YUV(104.7270, 55.3506,  
120.3884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F20DD9
RGB	242, 13, 217
RGB Percent	95%, 5%, 85%
CMY	0.0510, 0.9490, 0.1490
CMYK	0.00, 0.95, 0.10, 0.05
HSL	307°, 90%, 50%
HSV	307°, 95%, 95%
XYZ	49.2863, 24.1748, 67.7142
YIQ	104.7270, 71.0000, 111.9920

# Conversions

## Conversions Part 2

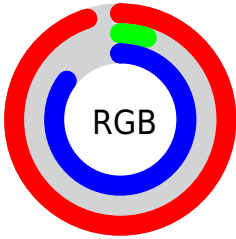
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 13, 217
Decimal	15863257
CIE Lab	56.26, 90.22, -46.12
CIE LCh	56, 101.328, 332.923
Yxy	24.1748, 0.3491, 0.1712
Android (android.graphics.Color)	4294053337 (0xFFFF20DD9)
YUV	104.7270, 55.3506, 120.3884
Hunter-Lab	49.1679, 92.8857, -47.2368

# Details

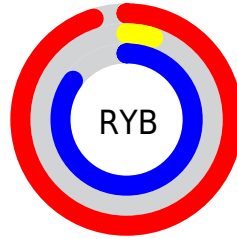
The YUV color **104.7270, 55.3506, 120.3884** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **150.2730, -55.3506, -120.3884**, and the grayscale version is **104.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **165.7760, 43.9874, 78.2494**, and **72.4730, 43.6438, 95.1782** is the 20% darker color. If you saturate the color by 10%, you get **96.9820, 58.6759, 127.1808**, and if you desaturate by 10%, it is **119.1570, 49.7156, 107.7333**.

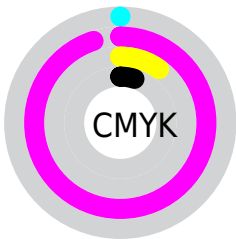
# Distribution



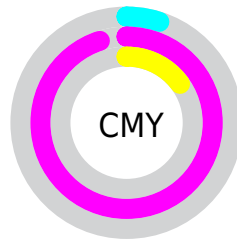
- Red (95%)
- Green (5%)
- Blue (85%)



- Red (95%)
- Yellow (5%)
- Blue (85%)



- Cyan (0%)
- Magenta (95%)
- Yellow (10%)
- Black (5%)




- Cyan (5%)
- Magenta (95%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 104.7270, 55.3506, 120.3884 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 104.7270, 55.3506, 120.3884 by changing the saturation by 10% instead.





 104.7270, 55.3506,  
120.3884


 104.7270, 55.3506,  
120.3884


255.0000, 0.0000,  
0.0000

 84.6350, 51.4519,  
110.8221


 165.7760, 43.9874,  
78.2494


 72.4730, 43.6438,  
95.1782


 185.1470, 34.4375,  
61.2611


 60.5390, 36.7093,  
79.3343


 203.3440, 25.4664,  
45.3023

 48.6050, 29.7747,  
63.4904

 220.9540, 16.7847,  
29.8583

 37.0840, 23.1296,  
48.1613

 239.1510, 7.8136,  
13.8996

 25.9760, 16.7738,  
33.3470

 14.3840, 11.1497,

17.2032

■ 1.3680, 5.2416,  
-1.1997

■ 0.0000, 0.0000,  
0.0000

■ 104.7270, 55.3506,  
120.3884

■ 104.7270, 55.3506,  
120.3884

■ 96.9820, 58.6759,  
127.1808

■ 119.1570, 49.7156,  
107.7333

■ 133.4730, 43.6438,  
95.1782

■ 148.4900, 37.7194,  
82.0083

■ 162.9200, 32.0844,  
69.3532

■ 177.2360, 26.0127,  
56.7980

■ 191.6660, 20.3777,  
44.1429

■ 205.9820, 14.3059,  
31.5878

■ 220.9990, 8.3815,  
18.4179

■ 235.4290, 2.7465,  
5.7628

# Harmonies

## Analogous

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



128.9770, 62.1293, -0.8568



104.7270, 55.3506, 120.3884



91.1790, 19.6318, 143.6710

# Triad

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



104.7270, 55.3506, 120.3884



126.1880, -62.2107, 27.0221



126.0100, 51.2671, -110.5108

# Complementary

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



104.7270, 55.3506, 120.3884



150.2730, -55.3506, -120.3884

# 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.



115.3910, 13.1182, -101.1979



104.7270, 55.3506, 120.3884



107.7290, -53.1104, -45.3663

# Square

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



104.7270, 55.3506, 120.3884



123.6270, -60.9481, 88.9041



101.8710, -28.5304, -89.3409



125.3380, 63.9234, -109.9214



# Rectangle

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



104.7270, 55.3506, 120.3884



84.5670, -5.7025, 149.4697



101.8710, -28.5304, -89.3409



122.8180, 39.0367, -107.7114

# Sweetspot

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



104.7270, 55.3506, 120.3884



212.4110, 17.0524, 37.3506



45.9830, 96.6364, -8.7551



101.6020, 10.5492, 23.1510



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.



104.7270, 55.3506, 120.3884



102.1230, 61.5644, 134.0731



91.9590, 6.4292, 131.5860



112.8420, 3.0359, 6.2776



73.7120, 44.5120, 96.7226



22.4440, 13.5851, 29.4286



# Inverse Universe

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



104.7270, 55.3506, 120.3884



102.1230, 61.5644, 134.0731



163.0410, -6.4292, -131.5860



112.8420, 3.0359, 6.2776



73.7120, 44.5120, 96.7226



22.4440, 13.5851, 29.4286



# Previews

## White Background



This preview shows how the YUV color 104.7270, 55.3506, 120.3884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

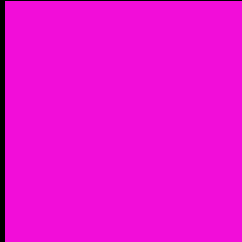
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 104.7270, 55.3506, 120.3884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

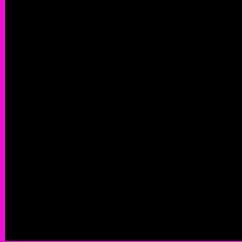
Any Text WCAG AA ✓ Pass

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 104.7270, 55.3506, 120.3884 Background



This preview shows how black text looks on a background with the YUV color 104.7270, 55.3506, 120.3884.



This preview shows how white text looks on a background with the YUV color 104.7270, 55.3506,



# 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

104.7270, 55.3506, 120.3884

### Protanopia

126.5870, 63.3076, -52.2578

### Deuteranopia

133.5970, 34.7087, -25.9566



## Tritanopia

129.6260, -19.0426, 88.0280

# Trichromacy



## Original Color

104.7270, 55.3506, 120.3884



## Protanomaly

118.8860, 60.2022, 10.6240



## Deuteranomaly

123.2890, 42.2555, 26.9335



## Tritanomaly

120.2170, 8.2740, 99.7877

# Monochromacy



## Original Color

104.7270, 55.3506, 120.3884



## Achromatopsia

105.0000, 0.0000, 0.0000



## Achromatomaly

105.2530, 20.0883, 43.6281

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 104.7270, 55.3506, 120.3884 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, 13, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 13, 217)  
}
```

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, 13, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 13, 217) }
```

## Border

The CSS property to change the border of an element to YUV 104.7270, 55.3506, 120.3884 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, 13, 217) }
```



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

```
.border{ border-color:rgb(242, 13, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 13, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 13, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 13, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 13,  
217) }
```

# Background

The CSS property to change the background color of an element to YUV 104.7270, 55.3506, 120.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 13, 217) }
```

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

```
.background{ background-color: rgb(242, 13,  
217) }
```

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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