

# Converting Colors

YUV(120.9980, 64.0910,  
70.1618)

Have a look what the booklet for  
YUV(120.9980, 64.0910, 70.1618)  
contains.

<b>YUV(120.9980, 64.0910, 70.1618)</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(120.9980, 64.0910,  
70.1618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C937FB
RGB	201, 55, 251
RGB Percent	79%, 22%, 98%
CMY	0.2118, 0.7843, 0.0157
CMYK	0.20, 0.78, 0.00, 0.02
HSL	285°, 96%, 60%
HSV	285°, 78%, 98%
XYZ	42.8662, 22.1149, 93.2761
YIQ	120.9980, 24.1000, 91.9080

# Conversions

## Conversions Part 2

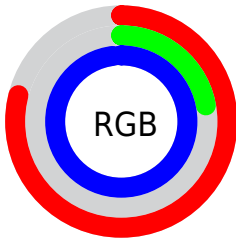
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	201, 55, 251
Decimal	13187067
CIE <sub>Lab</sub>	54.15, 81.07, -69.00
CIE <sub>LCh</sub>	54, 106.461, 319.599
Yxy	22.1149, 0.2709, 0.1397
Android (android.graphics.Color)	4291377147 (0xFFC937FB)
YUV	120.9980, 64.0910, 70.1618
Hunter-Lab	47.0265, 80.4121, -84.6819

# Details

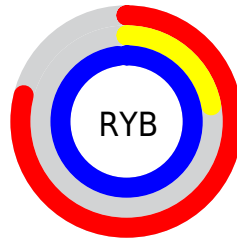
The YUV color **120.9980, 64.0910, 70.1618** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **185.0020, -64.0910, -70.1618**, and the grayscale version is **120.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5810, 39.6466, 70.5275**, and **64.1610, 63.5176, 67.3878** is the 20% darker color. If you saturate the color by 10%, you get **104.5290, 72.2102, 79.3431**, and if you desaturate by 10%, it is **137.4670, 55.9718, 60.9804**.

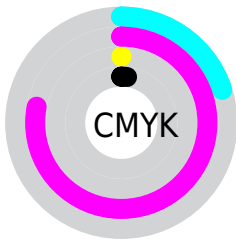
# Distribution



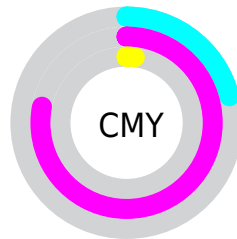
- Red (79%)
- Green (22%)
- Blue (98%)



- Red (79%)
- Yellow (22%)
- Blue (98%)



- Cyan (20%)
- Magenta (78%)
- Yellow (0%)
- Black (2%)




- Cyan (21%)
- Magenta (78%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 120.9980, 64.0910, 70.1618 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 120.9980, 64.0910, 70.1618 by changing the saturation by 10% instead.





 120.9980, 64.0910,  
70.1618


 120.9980, 64.0910,  
70.1618


255.0000, 0.0000,  
0.0000


 77.0240, 71.4732,  
82.4170


 174.5810, 39.6466,  
70.5275


 64.1610, 63.5176,  
67.3878


 191.6040, 31.2542,  
55.5983

 52.2980, 55.5621,  
52.3587


 209.2140, 22.5725,  
40.1543

 40.2500, 48.1908,  
36.6148

 226.2370, 14.1802,  
25.2252

 28.3160, 41.2562,  
20.7709

 243.8470, 5.4984,  
9.7812

 13.6910, 35.6483,  
-0.6060

 7.0680, 27.0815,

-6.1986

■ 6.2070, 16.1669,  
-5.4435

■ 2.4110, 6.6994,  
-2.1144

■ 120.9980, 64.0910,  
70.1618

■ 120.9980, 64.0910,  
70.1618

■ 104.5290, 72.2102,  
79.3431

■ 137.4670, 55.9718,  
60.9804

■ 87.7610, 80.4768,  
87.9096

■ 154.2350, 47.7051,  
52.4139

■ 84.5270, 82.0712,  
89.8688

■ 170.7040, 39.5859,  
43.2326

■ 187.4720, 31.3193,  
34.6661

■ 204.5280, 22.9107,  
24.9699

■ 220.9970, 14.7915,  
15.7886

■ 237.7650, 6.5249,  
7.2221

■ 253.6470, -1.3050,  
-1.4444

■ 254.5440, -1.7472,  
0.3999

# Harmonies

## Analogous

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



100.0970, 76.3672, -87.7851



120.9980, 64.0910, 70.1618



95.1690, 34.9197, 140.1718

# Triad

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



120.9980, 64.0910, 70.1618



121.9340, -60.1135, 54.4319



118.4010, 34.8053, -103.8377

# Complementary

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



120.9980, 64.0910, 70.1618



185.0020, -64.0910, -70.1618

# 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.



106.2830, -6.5485, -93.2102



120.9980, 64.0910, 70.1618



113.8410, -56.1236, -12.1386

# Square

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



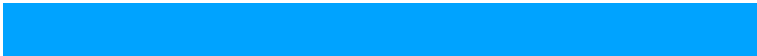
120.9980, 64.0910, 70.1618



105.8390, -52.1786, 122.9212



92.1590, -45.4344, -80.8234



124.7510, 64.2128, -109.4066



# Rectangle

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



120.9980, 64.0910, 70.1618



88.2150, 8.2750, 146.2704



92.1590, -45.4344, -80.8234



114.2800, 21.5540, -100.2236

# Sweetspot

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



120.9980, 64.0910, 70.1618



215.8820, 19.2852, 21.1515



107.8680, 70.5641, -46.3652



103.8780, 11.8921, 12.3850



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.



120.9980, 64.0910, 70.1618



95.8810, 78.4457, 86.0504



130.7040, 36.6279, 105.4996



116.4720, 4.2043, 4.8481



63.7050, 61.7704, 67.7877



20.7080, 19.8640, 22.1811



# Inverse Universe

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



119.3040, -7.0519, 115.4974



93.7140, -8.7330, 141.4478



175.2960, -36.6279, -105.4996



116.3430, -0.1691, 7.5922



61.9830, -6.8936, 111.3939



20.0630, -2.0031, 35.9017



# Previews

## White Background



This preview shows how the YUV color 120.9980, 64.0910, 70.1618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

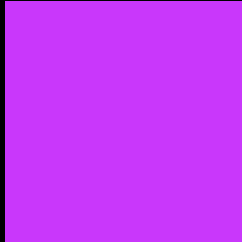
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 120.9980, 64.0910, 70.1618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

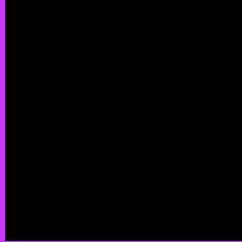
Any Text WCAG AA ✓ Pass

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 120.9980, 64.0910, 70.1618 Background



This preview shows how black text looks on a background with the YUV color 120.9980, 64.0910, 70.1618.



This preview shows how white text looks on a background with the YUV color 120.9980, 64.0910,



# 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

120.9980, 64.0910, 70.1618

### Protanopia

115.9000, 68.5763, -62.1793

### Deuteranopia

104.0460, 63.5743, -91.2483



## Tritanopia

130.7390, -7.2663, 44.0789

# Trichromacy



## Original Color

120.9980, 64.0910, 70.1618



## Protanomaly

118.1540, 66.9721, -14.1671



## Deuteranomaly

110.2350, 63.9741, -32.6551



## Tritanomaly

127.2650, 18.6034, 53.2646

# Monochromacy



## Original Color

120.9980, 64.0910, 70.1618



## Achromatopsia

121.0000, 0.0000, 0.0000



## Achromatomaly

120.9410, 23.2001, 25.4847

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.9980, 64.0910, 70.1618 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(201, 55, 251)` looks like.

```
.text, #text, p{  
    color:rgb(201, 55, 251)  
}
```

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(201, 55, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 55, 251) }
```

## Border

The CSS property to change the border of an element to YUV 120.9980, 64.0910, 70.1618 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(201, 55, 251) }
```



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

```
.border{ border-color:rgb(201, 55, 251) }
```

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

Here you see how a box with a 4 pixel rgb(201, 55, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 55, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 55, 251);  
box-shadow:4px 4px 4px 4px rgb(201, 55,  
251) }
```

# Background

The CSS property to change the background color of an element to YUV 120.9980, 64.0910, 70.1618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 55, 251) }
```

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

```
.background{ background-color: rgb(201, 55,  
251) }
```

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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