

# Converting Colors

YUV(119.7170, 66.6945,  
28.3122)

Have a look what the booklet for  
YUV(119.7170, 66.6945, 28.3122)  
contains.

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# Color

**YUV(119.7170, 66.6945,  
28.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	984DFF
RGB	152, 77, 255
RGB Percent	60%, 30%, 100%
CMY	0.4039, 0.6980, 0.0000
CMYK	0.40, 0.70, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 70%, 100%
XYZ	33.6528, 19.2032, 96.5406
YIQ	119.7170, -12.4380, 71.2580

# Conversions

## Conversions Part 2

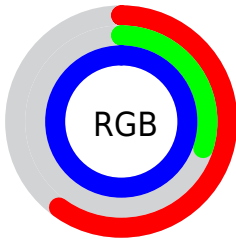
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 77, 255</a>
Decimal	<a href="#">9981439</a>
CIELab	<a href="#">50.92, 65.26, -76.75</a>
CIElCh	<a href="#">51, 100.744, 310.373</a>
Yxy	<a href="#">19.2032, 0.2253, 0.1285</a>
Android (android.graphics.Color)	<a href="#">4288171519</a> ( <a href="#">0xFF984DFF</a> )
YUV	<a href="#">119.7170, 66.6945, 28.3122</a>
Hunter-Lab	<a href="#">43.8214, 60.3921, -99.9437</a>

# Details

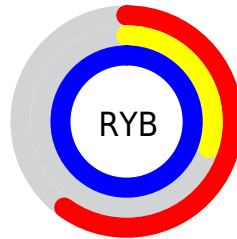
The YUV color **119.7170, 66.6945, 28.3122** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **212.2830, -66.6945, -28.3122**, and the grayscale version is **119.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.3550, 42.2230, 37.3997**, and **59.0590, 68.0049, 28.0123** is the 20% darker color. If you saturate the color by 10%, you get **100.5570, 76.1404, 31.9605**, and if you desaturate by 10%, it is **139.4640, 56.9592, 24.1491**.

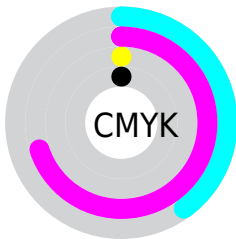
# Distribution



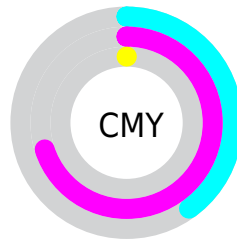
- Red (60%)
- Green (30%)
- Blue (100%)



- Red (60%)
- Yellow (30%)
- Blue (100%)



- Cyan (40%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (70%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 119.7170, 66.6945, 28.3122 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 119.7170, 66.6945, 28.3122 by changing the saturation by 10% instead.





 119.7170, 66.6945,  
28.3122


 119.7170, 66.6945,  
28.3122


255.0000, 0.0000,  
0.0000


 91.0050, 66.5525,  
27.1826


 169.3550, 42.2230,  
37.3997


 59.0590, 68.0049,  
28.0123


 195.0600, 29.5504,  
42.0434


 36.3090, 65.4167,  
18.1460


 215.0840, 19.6786,  
35.0063

 17.0850, 61.5831,  
-12.3525

 232.1070, 11.2862,  
20.0772

 13.1100, 50.2318,  
-11.4975

 249.1300, 2.8939,  
5.1480

 10.1460, 38.8750,  
-8.8980

 11.5190, 26.3661,

-10.1022

■ 6.5490, 17.4773,  
-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 119.7170, 66.6945,  
28.3122

■ 119.7170, 66.6945,  
28.3122

■ 100.5570, 76.1404,  
31.9605

■ 139.4640, 56.9592,  
24.1491

■ 80.8100, 85.8757,  
36.1236

■ 158.6240, 47.5134,  
20.5008

■ 61.9490, 95.1741,  
40.3867

■ 178.0720, 37.9255,  
15.7229

■ 61.0630, 95.6109,  
40.2867

■ 197.2320, 28.4796,  
12.0745

■ 216.9790, 18.7444,  
7.9114

■ 236.1390, 9.2985,  
4.2631

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.



102.4450, 75.2096, -89.8443



119.7170, 66.6945, 28.3122



92.3940, 43.6828, 129.4505

# Triad

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



119.7170, 66.6945, 28.3122



113.1730, -55.7943, 69.1313



107.4980, 20.9535, -94.2757

# Complementary

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



119.7170, 66.6945, 28.3122



212.2830, -66.6945, -28.3122

# 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.



95.2490, -18.3638, -83.5334



119.7170, 66.6945, 28.3122



111.3150, -54.8783, 8.4937

# Square

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



119.7170, 66.6945, 28.3122



76.7660, -37.8456, 145.7872



84.5280, -41.6723, -74.1311



116.9600, 57.2077, -102.5739



# Rectangle

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



119.7170, 66.6945, 28.3122



90.3810, 16.5742, 144.3709



84.5280, -41.6723, -74.1311



103.4910, 8.1389, -90.7616

# Sweetspot

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



119.7170, 66.6945, 28.3122



214.0330, 20.1967, 8.7411



158.3400, 47.6534, -71.3352



103.5350, 12.0612, 4.7928



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.



119.7170, 66.6945, 28.3122



92.3060, 80.2081, 33.9346



146.0290, 53.7227, 82.4126



117.9770, 4.9413, 1.7742



45.9930, 71.4885, 30.7011



15.3690, 23.9751, 10.2004



# Inverse Universe

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



141.9640, 18.7517, 99.1326



119.1220, 22.6179, 119.1650



185.9710, -53.7227, -82.4126



119.6850, 1.1413, 7.2923



69.7630, 20.3298, 106.3248

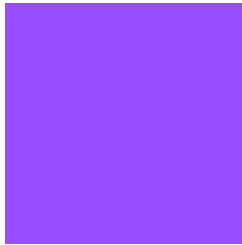


23.3540, 6.7275, 35.6465



# Previews

## White Background



This preview shows how the YUV color 119.7170, 66.6945, 28.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

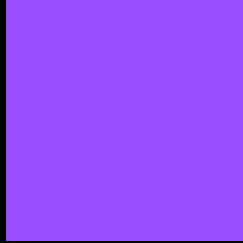
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 119.7170, 66.6945, 28.3122 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 119.7170, 66.6945, 28.3122

## Background



This preview shows how black text looks on a background with the YUV color 119.7170, 66.6945, 28.3122.



This preview shows how white text looks on a background with the YUV color 119.7170, 66.6945,



# 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

119.7170, 66.6945, 28.3122

### Protanopia

96.8370, 74.0304, -84.9260

### Deuteranopia

97.1840, 57.5903, -85.2304



## Tritanopia

121.5210, 3.1941, 2.1741

# Trichromacy



## Original Color

119.7170, 66.6945, 28.3122



## Protanomaly

104.8190, 71.5742, -43.6913



## Deuteranomaly

105.3600, 60.9545, -44.1657



## Tritanomaly

120.9500, 26.1537, 11.4449

# Monochromacy



## Original Color

119.7170, 66.6945, 28.3122



## Achromatopsia

120.0000, 0.0000, 0.0000



## Achromatomaly

119.7820, 24.2645, 10.7152

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 119.7170, 66.6945, 28.3122 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(152, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 77, 255)  
}
```

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(152, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 77, 255) }
```

## Border

The CSS property to change the border of an element to YUV 119.7170, 66.6945, 28.3122 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(152, 77, 255) }
```



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

```
.border{ border-color:rgb(152, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 77,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 119.7170, 66.6945, 28.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 77, 255) }
```

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

```
.background{ background-color: rgb(152, 77,  
255) }
```

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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