

# Converting Colors

YUV(127.6320, 62.2994,  
38.0337)

Have a look what the booklet for  
YUV(127.6320, 62.2994, 38.0337)  
contains.

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# Color

**YUV(127.6320, 62.2994,  
38.0337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB51FE
RGB	171, 81, 254
RGB Percent	67%, 32%, 100%
CMY	0.3294, 0.6824, 0.0039
CMYK	0.33, 0.68, 0.00, 0.00
HSL	271°, 99%, 66%
HSV	271°, 68%, 100%
XYZ	37.6264, 21.6985, 95.9710
YIQ	127.6320, -1.8930, 72.8830

# Conversions

## Conversions Part 2

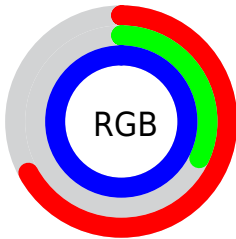
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 81, 254
Decimal	11227646
CIE <sub>Lab</sub>	53.71, 66.68, -71.58
CIE <sub>LCh</sub>	54, 97.821, 312.970
Yxy	21.6985, 0.2423, 0.1397
Android (android.graphics.Color)	4289417726 (0xFFAB51FE)
YUV	127.6320, 62.2994, 38.0337
Hunter-Lab	46.5817, 62.6656, -89.5464

# Details

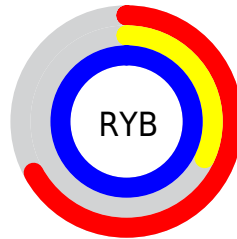
The YUV color **127.6320, 62.2994, 38.0337** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **207.3680, -62.2994, -38.0337**, and the grayscale version is **127.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **177.9710, 37.9753, 46.5064**, and **66.3980, 63.8938, 39.9930** is the 20% darker color. If you saturate the color by 10%, you get **109.3690, 71.3031, 43.5264**, and if you desaturate by 10%, it is **145.8950, 53.2958, 32.5411**.

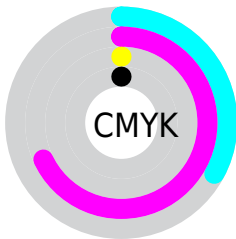
# Distribution



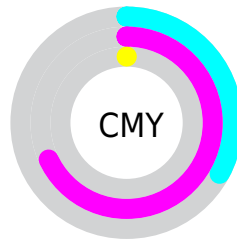
- Red (67%)
- Green (32%)
- Blue (100%)



- Red (67%)
- Yellow (32%)
- Blue (100%)



- Cyan (33%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (68%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 127.6320, 62.2994, 38.0337 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 127.6320, 62.2994, 38.0337 by changing the saturation by 10% instead.





 127.6320, 62.2994,  
38.0337


 127.6320, 62.2994,  
38.0337


255.0000, 0.0000,  
0.0000


 98.9200, 62.1574,  
36.9042


 177.9710, 37.9753,  
46.5064

 66.3980, 63.8938,  
39.9930


 201.5830, 26.3346,  
46.8467

 43.6700, 61.2947,  
33.6154


 218.0190, 18.2316,  
32.4323

 30.7250, 54.3656,  
16.0272

 235.0420, 9.8393,  
17.5032

 12.9960, 49.7950,  
-11.3975

 252.6520, 1.1576,  
2.0592

 10.1460, 38.8750,  
-8.8980

 11.4050, 25.9293,

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 127.6320, 62.2994,  
38.0337

■ 127.6320, 62.2994,  
38.0337

■ 109.3690, 71.3031,  
43.5264

■ 145.8950, 53.2958,  
32.5411

■ 90.5190, 80.5961,  
49.5338

■ 164.7450, 44.0027,  
26.5336

■ 71.9570, 89.7472,  
54.4117

■ 183.3070, 34.8516,  
21.6558

■ 68.4240, 91.4890,  
55.7562

■ 202.1570, 25.5586,  
15.6483

■ 220.4200, 16.5549,  
10.1557

■ 238.6830, 7.5513,  
4.6630

254.8860, -0.4368,  
0.1000

# Harmonies

## Analogous

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



104.2060, 74.3414, -91.3887



127.6320, 62.2994, 38.0337



94.9710, 41.9193, 135.0834

# Triad

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



127.6320, 62.2994, 38.0337



120.5270, -59.4198, 65.3128



113.7900, 24.7535, -99.7938

# Complementary

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



127.6320, 62.2994, 38.0337



207.3680, -62.2994, -38.0337

# 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.



101.8830, -13.2533, -89.3514



127.6320, 62.2994, 38.0337



116.6090, -57.4882, 5.6049

# Square

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



127.6320, 62.2994, 38.0337



101.1430, -49.8635, 127.0396



89.2240, -43.9874, -78.2494



122.2090, 59.5500, -107.1773



# Rectangle

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



127.6320, 62.2994, 38.0337



90.3810, 16.5742, 144.3709



89.2240, -43.9874, -78.2494



109.8970, 12.3758, -96.3797

# Sweetspot

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



127.6320, 62.2994, 38.0337



217.8870, 18.2967, 11.5001



150.0300, 51.2572, -60.5393



105.3180, 11.1822, 6.7371



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.



127.6320, 62.2994, 38.0337



102.4170, 75.2234, 46.1153



152.1070, 48.7542, 89.3602



118.2760, 4.7939, 2.3889



51.3750, 68.8351, 41.7671



17.1630, 23.0906, 13.8890



# Inverse Universe

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



142.1890, 10.7528, 98.0582



119.8910, 12.8717, 118.4906



182.8930, -48.7542, -89.3602



119.5710, 0.7045, 7.3922



67.5970, 12.0307, 108.2244

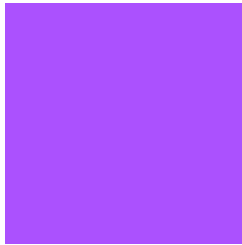


22.6700, 4.1067, 36.2464



# Previews

## White Background



This preview shows how the YUV color 127.6320, 62.2994, 38.0337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

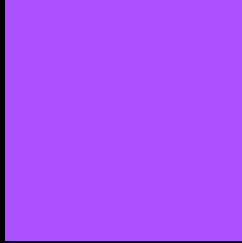
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 127.6320, 62.2994, 38.0337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

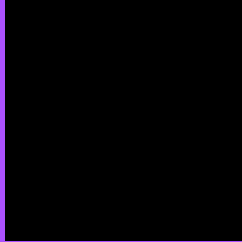
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 127.6320, 62.2994, 38.0337

## Background



This preview shows how black text looks on a background with the YUV color 127.6320, 62.2994, 38.0337.



This preview shows how white text looks on a background with the YUV color 127.6320, 62.2994,



# 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

127.6320, 62.2994, 38.0337

### Protanopia

113.5190, 69.7501, -65.3532

### Deuteranopia

103.0030, 62.1165, -90.3336



## Tritanopia

130.0990, -0.0488, 15.6992

# Trichromacy



## Original Color

127.6320, 62.2994, 38.0337



## Protanomaly

118.4790, 67.3049, -27.6071



## Deuteranomaly

112.0010, 62.1175, -43.8509



## Tritanomaly

128.8160, 22.7687, 23.8404

# Monochromacy



## Original Color

127.6320, 62.2994, 38.0337



## Achromatopsia

128.0000, 0.0000, 0.0000



## Achromatomaly

128.0490, 22.6538, 13.9890

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 127.6320, 62.2994, 38.0337 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(171, 81, 254)` looks like.

```
.text, #text, p{  
    color:rgb(171, 81, 254)  
}
```

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(171, 81, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 81, 254) }
```

## Border

The CSS property to change the border of an element to YUV 127.6320, 62.2994, 38.0337 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(171, 81, 254) }
```



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

```
.border{ border-color:rgb(171, 81, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 81, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 81, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 81, 254);  
box-shadow:4px 4px 4px 4px rgb(171, 81,  
254) }
```

# Background

The CSS property to change the background color of an element to YUV 127.6320, 62.2994, 38.0337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 81, 254) }
```

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

```
.background{ background-color: rgb(171, 81,  
254) }
```

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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