

# Converting Colors

YUV(168.8560, 42.4690,  
51.8693)

Have a look what the booklet for  
YUV(168.8560, 42.4690, 51.8693)  
contains.

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# Color

**YUV(168.8560, 42.4690,  
51.8693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E47AFF
RGB	228, 122, 255
RGB Percent	89%, 48%, 100%
CMY	0.1059, 0.5216, 0.0000
CMYK	0.11, 0.52, 0.00, 0.00
HSL	288°, 100%, 74%
HSV	288°, 52%, 100%
XYZ	57.0044, 37.6330, 98.8672
YIQ	168.8560, 20.4830, 63.8350

# Conversions

## Conversions Part 2

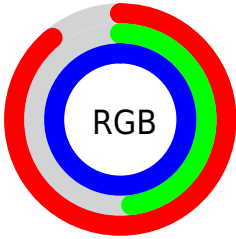
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 122, 255
Decimal	14973695
CIE <sub>Lab</sub>	67.75, 60.67, -49.27
CIE <sub>LCh</sub>	68, 78.158, 320.918
Yxy	37.6330, 0.2946, 0.1945
Android (android.graphics.Color)	4293163775 (0xFFE47AFF)
YUV	168.8560, 42.4690, 51.8693
Hunter-Lab	61.3458, 58.5127, -52.6120

# Details

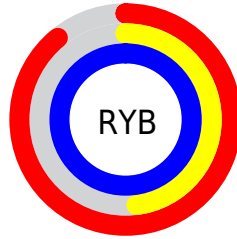
The YUV color **168.8560, 42.4690, 51.8693** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **208.1440, -42.4690, -51.8693**, and the grayscale version is **168.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **209.8010, 22.2831, 39.6395**, and **112.7310, 42.0376, 50.2249** is the 20% darker color. If you saturate the color by 10%, you get **152.6860, 50.4408, 61.6654**, and if you desaturate by 10%, it is **185.6130, 34.2078, 41.5584**.

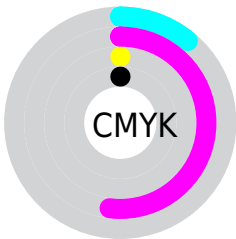
# Distribution



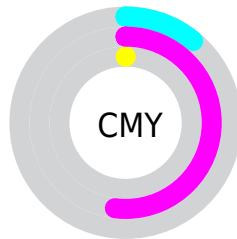
- Red (89%)
- Green (48%)
- Blue (100%)



- Red (89%)
- Yellow (48%)
- Blue (100%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 168.8560, 42.4690, 51.8693 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 168.8560, 42.4690, 51.8693 by changing the saturation by 10% instead.



168.8560, 42.4690,  
51.8693

168.8560, 42.4690,  
51.8693

255.0000, 0.0000,  
0.0000

141.0300, 41.8902,  
50.8397

209.8010, 22.2831,  
39.6395

112.7310, 42.0376,  
50.2249

226.2370, 14.1802,  
25.2252

83.5570, 42.6164,  
51.2545

243.8470, 5.4984,  
9.7812

50.3880, 45.6577,  
55.7877

39.0520, 38.4284,  
41.1734

28.0150, 31.0516,  
27.1738

17.8040, 24.2536,

14.2039

■ 5.0160, 19.2191,  
-4.3990

■ 3.0950, 9.3202,  
-2.7143

■ 168.8560, 42.4690,  
51.8693

■ 168.8560, 42.4690,  
51.8693

■ 152.6860, 50.4408,  
61.6654

■ 185.6130, 34.2078,  
41.5584

■ 135.9290, 58.7020,  
71.9763

■ 201.7830, 26.2360,  
31.7623

■ 119.4600, 66.8212,  
81.1576

■ 218.8390, 17.8274,  
22.0662

■ 102.7030, 75.0824,  
91.4685

■ 235.0090, 9.8556,  
12.2701

■ 89.7670, 81.4599,  
99.3053

■ 251.7660, 1.5944,  
1.9592

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.



155.3260, 49.1393, -34.4889



168.8560, 42.4690, 51.8693



151.9090, 18.7789, 90.4108

# Triad

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



168.8560, 42.4690, 51.8693



154.6830, -76.2587, 52.8980



140.0350, 36.4647, -122.8107

# Complementary

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



168.8560, 42.4690, 51.8693



208.1440, -42.4690, -51.8693

# 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.



131.0120, 4.4311, -114.8975



168.8560, 42.4690, 51.8693



148.4610, -73.1913, 2.2267

# Square

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



168.8560, 42.4690, 51.8693



155.1890, -49.8862, 87.5342



133.3460, -32.2156, -73.9714



142.3610, 55.5310, -124.8506



# Rectangle

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



168.8560, 42.4690, 51.8693



144.6760, -1.3193, 96.7541



133.3460, -32.2156, -73.9714



137.2990, 25.9816, -120.4112

# Sweetspot

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



168.8560, 42.4690, 51.8693



228.5410, 13.0443, 16.1885



154.1850, 49.7018, -28.2262



111.8300, 7.9718, 9.7961



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.



168.8560, 42.4690, 51.8693



150.6260, 51.4564, 62.5950



172.5970, 21.8907, 72.2674



119.4720, 4.2043, 4.8481



67.2220, 61.0226, 74.3503



22.5450, 20.4373, 24.9550



# Inverse Universe

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



164.8450, -7.8116, 79.0659



145.9010, -9.3182, 95.6798



204.4030, -21.8907, -72.2674



119.1150, -1.0427, 7.7921



61.5550, -11.1196, 113.5233

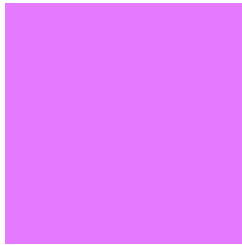


20.6180, -3.7557, 38.0460



# Previews

## White Background



This preview shows how the YUV color 168.8560, 42.4690, 51.8693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

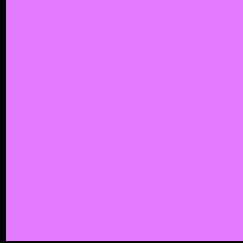
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 168.8560, 42.4690, 51.8693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

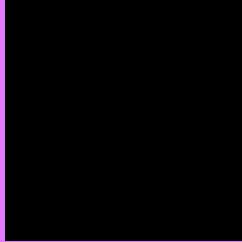
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 168.8560, 42.4690, 51.8693 Background



This preview shows how black text looks on a background with the YUV color 168.8560, 42.4690, 51.8693.



This preview shows how white text looks on a background with the YUV color 168.8560, 42.4690,

51.8693.

# 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

168.8560, 42.4690, 51.8693

### Protanopia

163.6210, 45.0498, -29.4856

### Deuteranopia

162.6980, 41.5609, -30.4301



## Tritanopia

167.5860, -5.2189, 40.7051

# Trichromacy



## Original Color

168.8560, 42.4690, 51.8693



## Protanomaly

165.5800, 44.0841, 0.3683



## Deuteranomaly

164.9990, 41.9055, -0.8761



## Tritanomaly

167.9020, 12.3733, 44.8129

# Monochromacy



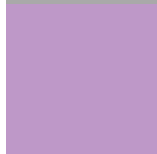
## Original Color

168.8560, 42.4690, 51.8693



## Achromatopsia

169.0000, 0.0000, 0.0000



## Achromatomaly

168.8340, 15.3648, 18.5626

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 168.8560, 42.4690, 51.8693 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(228, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 122, 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(228, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 122, 255) }
```

## Border

The CSS property to change the border of an element to YUV 168.8560, 42.4690, 51.8693 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(228, 122, 255) }
```



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

```
.border{ border-color:rgb(228, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 122,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 168.8560, 42.4690, 51.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 122, 255) }
```

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

```
.background{ background-color: rgb(228,  
122, 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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