

# Converting Colors

YUV(167.5020, 42.6435,  
42.5327)

Have a look what the booklet for  
YUV(167.5020, 42.6435, 42.5327)  
contains.

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# Color

**YUV(167.5020, 42.6435,  
42.5327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D87EFE
RGB	216, 126, 254
RGB Percent	85%, 49%, 100%
CMY	0.1529, 0.5059, 0.0039
CMYK	0.15, 0.50, 0.00, 0.00
HSL	282°, 98%, 75%
HSV	282°, 50%, 100%
XYZ	53.6691, 36.6764, 98.0165
YIQ	167.5020, 12.5520, 58.8880

# Conversions

## Conversions Part 2

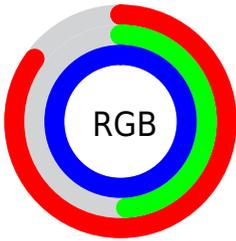
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 126, 254
Decimal	14188286
CIE Lab	67.03, 55.37, -49.95
CIE LCh	67, 74.568, 317.943
Yxy	36.6764, 0.2849, 0.1947
Android (android.graphics.Color)	4292378366 (0xFFD87EFE)
YUV	167.5020, 42.6435, 42.5327
Hunter-Lab	60.5610, 52.2047, -53.5666

# Details

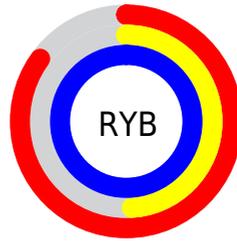
The YUV color  $167.5020, 42.6435, 42.5327$  is a light color, and the websafe version is hex  $CC66FF$ . A complement of this color would be  $212.4980, -42.6435, -42.5327$ , and the grayscale version is  $167.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $211.5620, 21.4149, 38.0951$ , and  $112.8500, 41.4860, 40.4736$  is the 20% darker color. If you saturate the color by 10%, you get  $150.4350, 51.0575, 50.4845$ , and if you desaturate by 10%, it is  $184.5690, 34.2295, 34.5810$ .

# Distribution



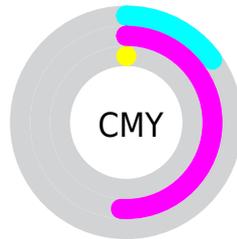
- Red (85%)
- Green (49%)
- Blue (100%)



- Red (85%)
- Yellow (49%)
- Blue (100%)



- Cyan (15%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (51%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 167.5020, 42.6435, 42.5327 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 167.5020, 42.6435, 42.5327 by changing the saturation by 10% instead.



 167.5020, 42.6435,  
42.5327

 167.5020, 42.6435,  
42.5327

255.0000, 0.0000,  
0.0000

 139.6760, 42.0647,  
41.5031

 211.5620, 21.4149,  
38.0951

 112.8500, 41.4860,  
40.4736

 228.5850, 13.0226,  
23.1660

 84.8500, 41.4859,  
40.4735

 245.6080, 4.6303,  
8.2368

 54.0290, 43.3697,  
42.9476

 35.9480, 39.4656,  
35.1256

 25.0250, 32.5257,  
21.0261

 14.4010, 25.4383,

7.5413

■ 6.6630, 17.9141,  
-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 167.5020, 42.6435,  
42.5327

■ 167.5020, 42.6435,  
42.5327

■ 150.4350, 51.0575,  
50.4845

■ 184.5690, 34.2295,  
34.5810

■ 133.0800, 59.6136,  
59.5658

■ 201.9240, 25.6735,  
25.4997

■ 116.0130, 68.0276,  
67.5176

■ 218.9910, 17.2594,  
17.5479

■ 98.6580, 76.5836,  
76.5989

■ 236.3460, 8.7034,  
8.4666

■ 82.4770, 84.5608,  
84.6507

■ 253.4130, 0.2894,  
0.5148

■ 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.



151.7270, 50.9136, -43.6106



167.5020, 42.6435, 42.5327



155.7730, 18.3529, 87.0221

# Triad

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



167.5020, 42.6435, 42.5327



152.9330, -75.3960, 56.1868



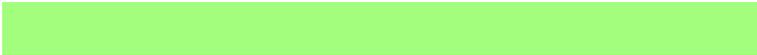
137.0200, 32.5281, -120.1665

# Complementary

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



167.5020, 42.6435, 42.5327



212.4980, -42.6435, -42.5327

# 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.



127.8660, 2.5311, -112.1385



167.5020, 42.6435, 42.5327



147.9070, -72.9182, 7.9746

# Square

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



167.5020, 42.6435, 42.5327



154.5680, -44.6500, 88.0789



137.8210, -35.9008, -58.6020



140.6000, 56.3992, -123.3062



# Rectangle

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



167.5020, 42.6435, 42.5327



147.7080, 0.1440, 94.0951



137.8210, -35.9008, -58.6020



134.3980, 22.4818, -117.8670

# Sweetspot

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



167.5020, 42.6435, 42.5327



229.4050, 12.6183, 12.7998



162.8980, 44.9133, -32.3595



112.4060, 7.6878, 7.5369



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.



167.5020, 42.6435, 42.5327



151.7340, 50.9101, 51.0993



175.9000, 25.6853, 68.4937



119.1730, 4.3517, 4.2333



61.8400, 63.6759, 63.2843



20.7510, 21.3218, 21.2664



# Inverse Universe

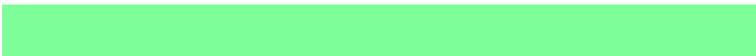
The Inverse Universe completely reimagines the original color for something new.



168.6040, -2.2698, 74.8923



152.8770, -2.8974, 89.5619



204.1000, -25.6853, -68.4937



119.3430, -0.1691, 7.5922



63.6070, -3.2573, 111.7237

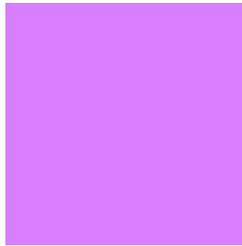


21.3020, -1.1349, 37.4461



# Previews

## White Background



This preview shows how the YUV color 167.5020, 42.6435, 42.5327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

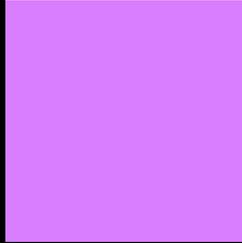
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 167.5020, 42.6435, 42.5327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

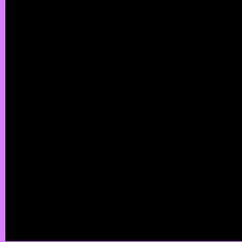
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 167.5020, 42.6435, 42.5327

## Background



This preview shows how black text looks on a background with the YUV color 167.5020, 42.6435, 42.5327.



This preview shows how white text looks on a background with the YUV color 167.5020, 42.6435, 42.5327.

42.5327.

# 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

167.5020, 42.6435, 42.5327

### Protanopia

160.9630, 46.3602, -29.7856

### Deuteranopia

160.9150, 42.4399, -32.3745



## Tritanopia

166.1010, -3.0078, 31.4834

# Trichromacy



## Original Color

167.5020, 42.6435, 42.5327



## Protanomaly

163.4870, 45.1159, -3.9351



## Deuteranomaly

163.4930, 42.6480, -5.6944



## Tritanomaly

166.7760, 13.4214, 35.2764

# Monochromacy



## Original Color

167.5020, 42.6435, 42.5327



## Achromatopsia

168.0000, 0.0000, 0.0000



## Achromatomaly

167.8120, 15.3757, 15.0739

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 167.5020, 42.6435, 42.5327 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(216, 126, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 126, 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(216, 126, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 126, 254) }
```

## Border

The CSS property to change the border of an element to YUV 167.5020, 42.6435, 42.5327 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(216, 126, 254) }
```



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

```
.border{ border-color:rgb(216, 126, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 126, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 126, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 126, 254); box-shadow:4px 4px 4px 4px rgb(216, 126, 254) }
```

# Background

The CSS property to change the background color of an element to YUV 167.5020, 42.6435, 42.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 126, 254) }
```

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

```
.background{ background-color: rgb(216,  
126, 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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