

# Converting Colors

YUV(163.7350, 42.5286,  
32.6814)

Have a look what the booklet for  
YUV(163.7350, 42.5286, 32.6814)  
contains.

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# Color

**YUV(163.7350, 42.5286,  
32.6814)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | C980FA                    |
| RGB         | 201, 128, 250             |
| RGB Percent | 79%, 50%, 98%             |
| CMY         | 0.2118, 0.4980, 0.0196    |
| CMYK        | 0.20, 0.49, 0.00, 0.02    |
| HSL         | 276°, 92%, 74%            |
| HSV         | 276°, 49%, 98%            |
| XYZ         | 49.0619, 34.7580, 94.5656 |
| YIQ         | 163.7350, 4.3460, 53.4180 |

# Conversions

## Conversions Part 2

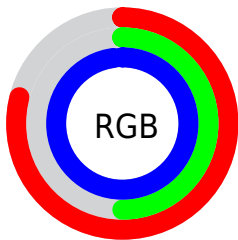
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 201, 128, 250                 |
| Decimal                             | 13205754                      |
| CIE Lab                             | 65.56, 49.54, -50.20          |
| CIE LCh                             | 66, 70.525, 314.620           |
| Yxy                                 | 34.7580, 0.2750,<br>0.1948    |
| Android<br>(android.graphics.Color) | 4291395834<br>(0xFFC980FA)    |
| YUV                                 | 163.7350, 42.5286,<br>32.6814 |
| Hunter-Lab                          | 58.9559, 45.3712,<br>-53.8324 |

# Details

The YUV color **163.7350, 42.5286, 32.6814** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **214.2650, -42.5286, -32.6814**, and the grayscale version is **163.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **212.7360, 20.8362, 37.0655**, and **109.6700, 41.0817, 30.1074** is the 20% darker color. If you saturate the color by 10%, you get **146.0700, 51.2375, 39.4036**, and if you desaturate by 10%, it is **181.4000, 33.8198, 25.9592**.

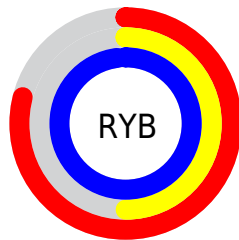
# Distribution



Red (79%)

Green (50%)

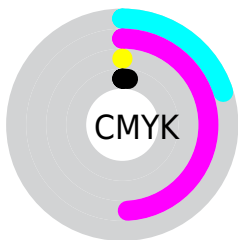
Blue (98%)



Red (79%)

Yellow (50%)

Blue (98%)

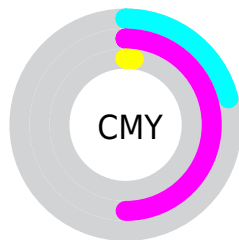


Cyan (20%)

Magenta (49%)

Yellow (0%)

Black (2%)



Cyan (21%)

Magenta (50%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 163.7350, 42.5286, 32.6814 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 163.7350, 42.5286, 32.6814 by changing the saturation by 10% instead.




 163.7350, 42.5286,  
32.6814


 163.7350, 42.5286,  
32.6814


255.0000, 0.0000,  
0.0000


 136.4960, 41.6605,  
31.1370


 212.7360, 20.8362,  
37.0655


 109.6700, 41.0817,  
30.1074


 229.1720, 12.7332,  
22.6512

 83.1430, 40.3555,  
29.6926

 246.1950, 4.3409,  
7.7220

 56.1430, 40.3555,  
29.6926

 31.3060, 39.7821,  
26.9186

 20.3830, 32.8422,  
12.8191

 7.7800, 27.2235,

-5.0691

■ 6.3210, 16.6037,  
-5.5435

■ 2.6390, 7.5730,  
-2.3144

■ 163.7350, 42.5286,  
32.6814

■ 163.7350, 42.5286,  
32.6814

■ 146.0700, 51.2375,  
39.4036

■ 181.4000, 33.8198,  
25.9592

■ 128.4050, 59.9463,  
46.1258

■ 199.0650, 25.1110,  
19.2370

■ 110.7400, 68.6552,  
52.8480

■ 216.7300, 16.4021,  
12.5148

■ 93.0750, 77.3640,  
59.5702

■ 234.3950, 7.6933,  
5.7926

■ 75.4100, 86.0729,  
66.2924

■ 252.0600, -1.0156,  
-0.9296

■ 73.3500, 87.0885,  
67.2221

■ 254.4300, -2.1840,  
0.4999

# Harmonies

## Analogous

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



145.7580, 53.8563, -54.1618



163.7350, 42.5286, 32.6814



157.6480, 17.9215, 85.3777

# Triad

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



163.7350, 42.5286, 32.6814



151.3490, -66.2341, 57.5759



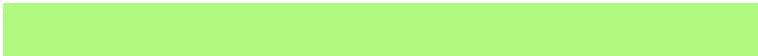
132.4890, 27.8599, -116.1929

# Complementary

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



163.7350, 42.5286, 32.6814



214.2650, -42.5286, -32.6814

# 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.



123.7910, -0.3900, -108.5647



163.7350, 42.5286, 32.6814



145.5810, -71.7714, 13.5225

# Square

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



163.7350, 42.5286, 32.6814



153.1320, -39.9981, 89.3382



138.0400, -37.9807, -44.7621



137.3400, 54.0624, -120.4472



# Rectangle

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



163.7350, 42.5286, 32.6814



148.7510, 1.6018, 93.1804



138.0400, -37.9807, -44.7621



129.5080, 18.9766, -113.5785

# Sweetspot

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



163.7350, 42.5286, 32.6814



228.2090, 13.2080, 10.3407



171.8450, 38.5304, -38.4521



111.5090, 8.1301, 5.6926



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.



163.7350, 42.5286, 32.6814



149.0100, 52.2531, 40.3332



177.2460, 30.9377, 63.8053



115.8740, 4.4991, 3.6185



55.3330, 65.8978, 50.5740



18.0170, 21.1906, 16.6481



# Inverse Universe

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



170.0640, 3.4194, 70.1039



156.6900, 4.0968, 86.2179



200.7540, -30.9377, -63.8053



116.4570, 0.2677, 7.4922



65.1750, 5.3367, 108.5945



21.0890, 1.9281, 35.0019



# Previews

## White Background



This preview shows how the YUV color 163.7350, 42.5286, 32.6814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

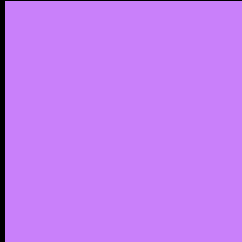
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 163.7350, 42.5286, 32.6814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

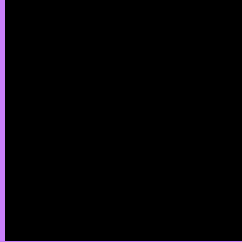
Any Text WCAG AA ✓ Pass

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 163.7350, 42.5286, 32.6814 Background



This preview shows how black text looks on a background with the YUV color 163.7350, 42.5286, 32.6814.



This preview shows how white text looks on a background with the YUV color 163.7350, 42.5286,



# 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

163.7350, 42.5286, 32.6814

### Protanopia

156.8210, 48.4022, -31.4150

### Deuteranopia

156.4310, 43.1715, -33.7040



## Tritanopia

161.7300, -0.3599, 22.1618

# Trichromacy



## Original Color

163.7350, 42.5286, 32.6814



## Protanomaly

159.3940, 46.1478, -8.2385



## Deuteranomaly

159.1720, 42.8062, -9.7978



## Tritanomaly

162.1770, 15.1957, 26.1548

# Monochromacy



## Original Color

163.7350, 42.5286, 32.6814



## Achromatopsia

164.0000, 0.0000, 0.0000



## Achromatomaly

163.7900, 15.3865, 11.5852

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 163.7350, 42.5286, 32.6814 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, 128, 250)` looks like.

```
.text, #text, p{  
    color:rgb(201, 128, 250)  
}
```

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, 128, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 128, 250) }
```

## Border

The CSS property to change the border of an element to YUV 163.7350, 42.5286, 32.6814 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, 128, 250) }
```



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

```
.border{ border-color:rgb(201, 128, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 128, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 128, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 128, 250);  
box-shadow:4px 4px 4px 4px rgb(201, 128,  
250) }
```

# Background

The CSS property to change the background color of an element to YUV 163.7350, 42.5286, 32.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 128, 250) }
```

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

```
.background{ background-color: rgb(201,  
128, 250) }
```

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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