

# Converting Colors

YUV(180.9970, 35.0045,  
19.2966)

Have a look what the booklet for  
YUV(180.9970, 35.0045, 19.2966)  
contains.

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# Color

**YUV(180.9970, 35.0045,  
19.2966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB9CFC
RGB	203, 156, 252
RGB Percent	80%, 61%, 99%
CMY	0.2039, 0.3882, 0.0118
CMYK	0.19, 0.38, 0.00, 0.01
HSL	269°, 94%, 80%
HSV	269°, 38%, 99%
XYZ	54.0878, 43.5017, 97.6414
YIQ	180.9970, -2.8040, 39.8200

# Conversions

## Conversions Part 2

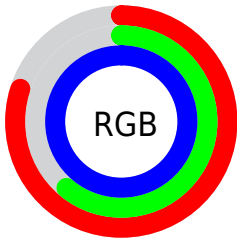
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 156, 252
Decimal	13343996
CIE Lab	71.89, 35.49, -41.32
CIE LCh	72, 54.469, 310.653
Yxy	43.5017, 0.2770, 0.2228
Android (android.graphics.Color)	4291534076 (0xFFCB9CFC)
YUV	180.9970, 35.0045, 19.2966
Hunter-Lab	65.9558, 30.9580, -41.6042

# Details

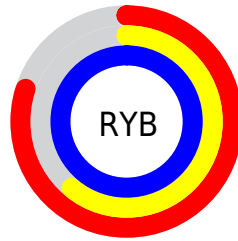
The YUV color **180.9970, 35.0045, 19.2966** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **227.0030, -35.0045, -19.2966**, and the grayscale version is **181.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **229.1720, 12.7332, 22.6512**, and **127.2310, 33.4101, 17.3374** is the 20% darker color. If you saturate the color by 10%, you get **162.4350, 44.1555, 24.1745**, and if you desaturate by 10%, it is **199.5590, 25.8534, 14.4188**.

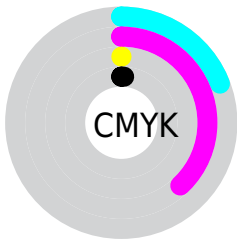
# Distribution



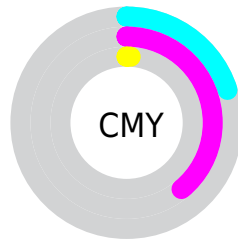
- Red (80%)
- Green (61%)
- Blue (99%)



- Red (80%)
- Yellow (61%)
- Blue (99%)



- Cyan (19%)
- Magenta (38%)
- Yellow (0%)
- Black (1%)




- Cyan (20%)
- Magenta (39%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 180.9970, 35.0045, 19.2966 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 180.9970, 35.0045, 19.2966 by changing the saturation by 10% instead.





 180.9970, 35.0045,  
19.2966


 180.9970, 35.0045,  
19.2966


255.0000, 0.0000,  
0.0000


 154.0570, 33.9889,  
18.3670


 229.1720, 12.7332,  
22.6512


 127.2310, 33.4101,  
17.3374

 246.1950, 4.3409,  
7.7220

 101.2910, 32.3945,  
16.4078

 76.4650, 31.8158,  
15.3782

 52.2260, 30.9476,  
13.8338

 27.5140, 30.8056,  
12.7042

 13.2050, 26.0279,

5.0822

■ 6.6630, 17.9141,  
-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 180.9970, 35.0045,  
19.2966

■ 180.9970, 35.0045,  
19.2966

■ 162.4350, 44.1555,  
24.1745

■ 199.5590, 25.8534,  
14.4188

■ 143.8730, 53.3066,  
29.0524

■ 218.1210, 16.7023,  
9.5409

■ 124.7240, 62.7471,  
34.4451

■ 237.2700, 7.2619,  
4.1482

■ 106.4610, 71.7507,  
39.9377

■ 254.3590, -1.1630,  
-0.3148

■ 87.8990, 80.9018, 254.6580, -1.3104,  
44.8156 0.2999

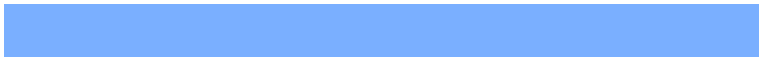
■ 69.3370, 90.0529,  
49.6935

■ 65.5050, 91.9420,  
50.4231

# Harmonies

## Analogous

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



168.2730, 42.7564, -40.5814



180.9970, 35.0045, 19.2966



180.5820, 14.5031, 61.7566

# Triad

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



180.9970, 35.0045, 19.2966



173.6960, -45.6991, 51.1326



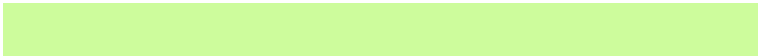
139.9890, 26.1344, -122.7704

# Complementary

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



180.9970, 35.0045, 19.2966



227.0030, -35.0045, -19.2966

# 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.



148.7340, -3.8129, -83.9587



180.9970, 35.0045, 19.2966



169.7210, -47.1905, 16.0307

# Square

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



180.9970, 35.0045, 19.2966



173.7690, -29.4661, 71.2396



163.9420, -32.5094, -26.2591



144.1730, 47.2427, -126.4397



# Rectangle

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



180.9970, 35.0045, 19.2966



174.4940, 1.2355, 70.6038



163.9420, -32.5094, -26.2591



138.0510, 18.7089, -121.0707

# Sweetspot

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



180.9970, 35.0045, 19.2966



234.3780, 10.1666, 5.8075



196.2940, 27.4631, -35.3378



115.3300, 6.2463, 3.2186



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.



180.9970, 35.0045, 19.2966



168.3810, 42.7032, 23.3449



195.0500, 28.0763, 48.1911



115.5750, 4.6465, 3.0037



49.0540, 68.9934, 37.6636



15.9240, 22.2225, 12.3447



# Inverse Universe

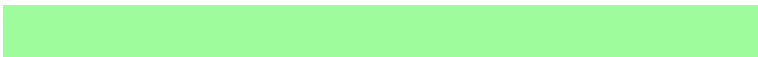
The Inverse Universe completely reimagines the original color for something new.



190.2900, 7.2520, 54.1197



179.8230, 8.9613, 65.9302



212.9500, -28.0763, -48.1911



116.6850, 1.1413, 7.2923



67.4550, 14.0727, 106.5950

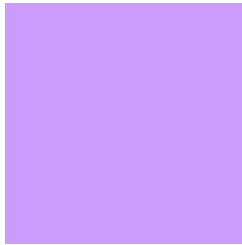


21.7730, 4.5489, 34.4021



# Previews

## White Background



This preview shows how the YUV color 180.9970, 35.0045, 19.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

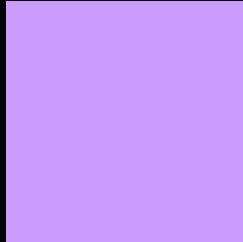
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 180.9970, 35.0045, 19.2966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

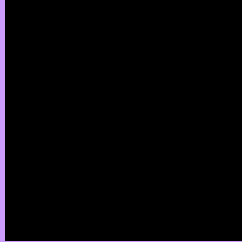
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 180.9970, 35.0045, 19.2966

## Background



This preview shows how black text looks on a background with the YUV color 180.9970, 35.0045, 19.2966.



This preview shows how white text looks on a background with the YUV color 180.9970, 35.0045,



# 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

180.9970, 35.0045, 19.2966

### Protanopia

175.7590, 39.0658, -23.4676

### Deuteranopia

175.5590, 35.7134, -21.5382



## Tritanopia

177.8750, 3.0196, 11.5106

# Trichromacy



## Original Color

180.9970, 35.0045, 19.2966



## Protanomaly

177.5160, 37.7066, -7.4685



## Deuteranomaly

177.2450, 35.3752, -6.3539



## Tritanomaly

178.9860, 14.7969, 14.0443

# Monochromacy



## Original Color

180.9970, 35.0045, 19.2966



## Achromatopsia

181.0000, 0.0000, 0.0000



## Achromatomaly

181.0730, 12.7820, 6.9520

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 180.9970, 35.0045, 19.2966 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(203, 156, 252)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 252)  
}
```

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(203, 156, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 252) }
```

## Border

The CSS property to change the border of an element to YUV 180.9970, 35.0045, 19.2966 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(203, 156, 252) }
```



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

```
.border{ border-color:rgb(203, 156, 252) }
```

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

Here you see how a box with a 4 pixel rgb(203, 156, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 252);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
252) }
```

# Background

The CSS property to change the background color of an element to YUV 180.9970, 35.0045, 19.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 252) }
```

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

```
.background{ background-color: rgb(203,  
156, 252) }
```

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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