

# Converting Colors

YUV(163.5180, 38.1986,  
21.4707)

Have a look what the booklet for  
YUV(163.5180, 38.1986, 21.4707)  
contains.

<b>YUV(163.5180, 38.1986, 21.4707)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(163.5180, 38.1986,  
21.4707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BC88F1
RGB	188, 136, 241
RGB Percent	74%, 53%, 95%
CMY	0.2627, 0.4667, 0.0549
CMYK	0.22, 0.44, 0.00, 0.05
HSL	270°, 79%, 74%
HSV	270°, 44%, 95%
XYZ	45.4204, 34.6506, 87.5134
YIQ	163.5180, -2.7130, 43.6790

# Conversions

## Conversions Part 2

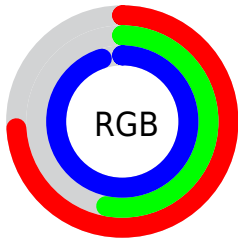
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 136, 241
Decimal	12355825
CIE <sub>Lab</sub>	65.48, 39.72, -45.48
CIE <sub>LCh</sub>	65, 60.380, 311.134
Yxy	34.6506, 0.2710, 0.2068
Android (android.graphics.Color)	4290545905 (0xFFBC88F1)
YUV	163.5180, 38.1986, 21.4707
Hunter-Lab	58.8647, 34.7184, -46.9403

# Details

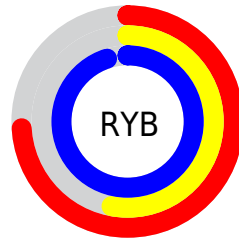
The YUV color **163.5180, 38.1986, 21.4707** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **213.4820, -38.1986, -21.4707**, and the grayscale version is **163.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.1540, 20.1371, 27.9289**, and **110.3390, 36.3149, 18.9967** is the 20% darker color. If you saturate the color by 10%, you get **145.8420, 46.9129, 26.4486**, and if you desaturate by 10%, it is **181.1940, 29.4844, 16.4929**.

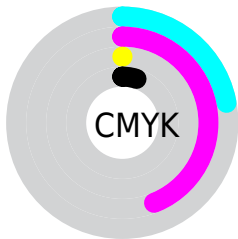
# Distribution



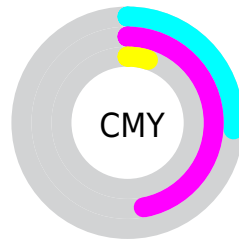
- Red (74%)
- Green (53%)
- Blue (95%)



- Red (74%)
- Yellow (53%)
- Blue (95%)



- Cyan (22%)
- Magenta (44%)
- Yellow (0%)
- Black (5%)



- Cyan (26%)
- Magenta (47%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 163.5180, 38.1986, 21.4707 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 163.5180, 38.1986, 21.4707 by changing the saturation by 10% instead.



■ 163.5180, 38.1986,  
21.4707

■ 163.5180, 38.1986,  
21.4707

255.0000, 0.0000,  
0.0000

■ 136.5780, 37.1830,  
20.5411

■ 214.1540, 20.1371,  
27.9289

■ 110.3390, 36.3149,  
18.9967

■ 233.2810, 10.7075,  
19.0476

■ 84.5130, 35.7361,  
17.9671

■ 250.3040, 2.3151,  
4.1184

■ 59.6870, 35.1573,  
16.9375

■ 33.9750, 35.0153,  
15.8079

■ 16.5950, 31.2587,  
7.3712

■ 6.4980, 24.8975,

-5.6987

■ 5.0500, 14.2723,  
-4.4289

■ 0.9120, 3.4944,  
-0.7998

■ 163.5180, 38.1986,  
21.4707

■ 163.5180, 38.1986,  
21.4707

■ 145.8420, 46.9129,  
26.4486

■ 181.1940, 29.4844,  
16.4929

■ 128.1660, 55.6272,  
31.4264

■ 198.8700, 20.7701,  
11.5150

■ 110.4900, 64.3414,  
36.4043

■ 216.5460, 12.0558,  
6.5372

■ 92.5150, 73.2031,  
40.7673

■ 234.5210, 3.1941,  
2.1741

■ 74.2520, 82.2068,  
46.2600

■ 251.6100, -5.2307,  
-2.2890

■ 63.0550, 87.7269,  
49.0638

■ 253.4040, -6.1152,  
1.3997

# Harmonies

## Analogous

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



149.0250, 52.2457, -50.8879



163.5180, 38.1986, 21.4707



161.1960, 16.6654, 68.2341

# Triad

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



163.5180, 38.1986, 21.4707



155.0400, -50.7987, 53.4619



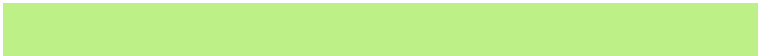
128.8870, 24.2127, -113.0339

# Complementary

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



163.5180, 38.1986, 21.4707



213.4820, -38.1986, -21.4707

# 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.



121.3290, 0.3308, -106.4055



163.5180, 38.1986, 21.4707



151.0000, -53.7370, 15.7860

# Square

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



163.5180, 38.1986, 21.4707



156.0260, -32.5508, 80.6612



144.1110, -35.5507, -30.7923



133.5270, 47.0682, -117.1032



# Rectangle

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



163.5180, 38.1986, 21.4707



158.3540, 0.3185, 84.7585



144.1110, -35.5507, -30.7923



126.7210, 15.9135, -111.1343

# Sweetspot

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



163.5180, 38.1986, 21.4707



230.5460, 12.0558, 6.5372



179.6680, 30.2367, -38.2968



112.3840, 7.6987, 4.0482



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.



163.5180, 38.1986, 21.4707



156.8960, 48.3653, 27.2782



178.7670, 30.6809, 52.8243



111.1620, 4.3571, 2.4889



48.1850, 66.9568, 37.5488



14.7560, 20.3333, 11.6150



# Inverse Universe

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



173.4370, 7.6726, 59.2528



169.4050, 9.6603, 75.0668



198.2330, -30.6809, -52.8243



112.2720, 0.8519, 6.7775



65.6180, 13.4993, 103.8210

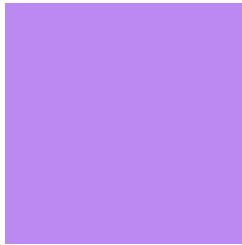


19.9360, 3.9756, 31.6281



# Previews

## White Background



This preview shows how the YUV color 163.5180, 38.1986, 21.4707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

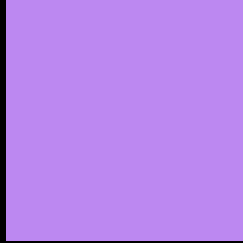
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 163.5180, 38.1986, 21.4707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

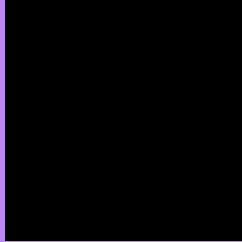
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 163.5180, 38.1986, 21.4707

## Background



This preview shows how black text looks on a background with the YUV color 163.5180, 38.1986, 21.4707.



This preview shows how white text looks on a background with the YUV color 163.5180, 38.1986,

21.4707.

# 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

163.5180, 38.1986, 21.4707

### Protanopia

156.8210, 48.4022, -31.4150

### Deuteranopia

157.1390, 39.3715, -28.1859



## Tritanopia

160.9460, 1.9986, 12.3254

## Trichromacy



### Original Color

163.5180, 38.1986, 21.4707



### Protanomaly

159.3180, 44.7062, -12.5569



### Deuteranomaly

159.4340, 38.7330, -10.0276



### Tritanomaly

162.1110, 15.2283, 15.6887

## Monochromacy



### Original Color

163.5180, 38.1986, 21.4707



### Achromatopsia

164.0000, 0.0000, 0.0000



### Achromatomaly

164.0130, 13.7976, 7.8816

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 163.5180, 38.1986, 21.4707 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(188, 136, 241)` looks like.

```
.text, #text, p{  
    color:rgb(188, 136, 241)  
}
```

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(188, 136, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 136, 241) }
```

## Border

The CSS property to change the border of an element to YUV 163.5180, 38.1986, 21.4707 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(188, 136, 241) }
```



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

```
.border{ border-color:rgb(188, 136, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 136, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 136, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 136, 241);  
box-shadow:4px 4px 4px 4px rgb(188, 136,  
241) }
```

# Background

The CSS property to change the background color of an element to YUV 163.5180, 38.1986, 21.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 136, 241) }
```

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

```
.background{ background-color: rgb(188,  
136, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor