

# Converting Colors

YUV(176.3930, 34.3163, 6.6713)

Have a look what the booklet for  
YUV(176.3930, 34.3163, 6.6713)  
contains.

<b>YUV(176.3930, 34.3163, 6.6713)</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(176.3930, 34.3163,  
6.6713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B89FF6
RGB	184, 159, 246
RGB Percent	72%, 62%, 96%
CMY	0.2784, 0.3765, 0.0353
CMYK	0.25, 0.35, 0.00, 0.04
HSL	257°, 83%, 79%
HSV	257°, 35%, 96%
XYZ	48.7999, 41.6404, 92.6542
YIQ	176.3930, -13.0270, 32.3570

# Conversions

## Conversions Part 2

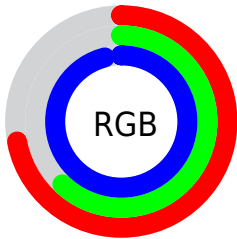
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 159, 246
Decimal	12099574
CIE <sub>Lab</sub>	70.62, 27.00, -40.18
CIE <sub>LCh</sub>	71, 48.405, 303.903
Yxy	41.6404, 0.2665, 0.2274
Android (android.graphics.Color)	4290289654 (0xFFB89FF6)
YUV	176.3930, 34.3163, 6.6713
Hunter-Lab	64.5294, 22.0628, -39.9606

# Details

The YUV color  $176.3930, 34.3163, 6.6713$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $228.6070, -34.3163, -6.6713$ , and the grayscale version is  $176.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $226.7470, 13.9287, 12.4999$ , and  $122.9260, 32.5745, 5.3269$  is the 20% darker color. If you saturate the color by 10%, you get  $156.3360, 44.2044, 8.4753$ , and if you desaturate by 10%, it is  $196.4500, 24.4281, 4.8673$ .

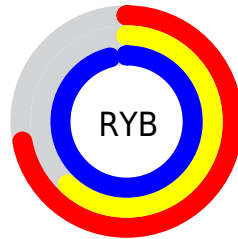
# Distribution



Red (72%)

Green (62%)

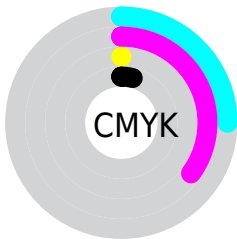
Blue (96%)



Red (72%)

Yellow (62%)

Blue (96%)

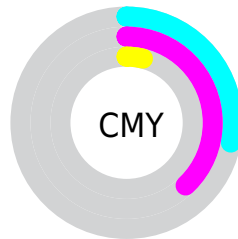


Cyan (25%)

Magenta (35%)

Yellow (0%)

Black (4%)



Cyan (28%)

Magenta (38%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 176.3930, 34.3163, 6.6713 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 176.3930, 34.3163, 6.6713 by changing the saturation by 10% instead.



176.3930, 34.3163,  
6.6713

176.3930, 34.3163,  
6.6713

255.0000, 0.0000,  
0.0000

149.4530, 33.3007,  
5.7417

226.7470, 13.9287,  
12.4999

122.9260, 32.5745,  
5.3269

247.3690, 3.7621,  
6.6924

97.9860, 31.5589,  
4.3973

72.7470, 30.6907,  
2.8529

49.2090, 29.9700,  
0.6937

25.9590, 29.1072,  
-2.5950

7.2530, 26.4973,

-5.4839

■ 6.0930, 15.7302,  
-5.3436

■ 2.4110, 6.6994,  
-2.1144

■ 176.3930, 34.3163,  
6.6713

■ 176.3930, 34.3163,  
6.6713

■ 156.3360, 44.2044,  
8.4753

■ 196.4500, 24.4281,  
4.8673

■ 137.1650, 53.6557,  
10.3793

■ 215.6210, 14.9768,  
2.9634

■ 117.1080, 63.5438,  
12.1833

■ 235.6780, 5.0887,  
1.1594

■ 97.9370, 72.9951,  
14.0873

■ 253.6750, -3.7838,  
0.2850

■ 77.8800, 82.8832,  
15.8912

■ 253.9740, -3.9312,  
0.8998

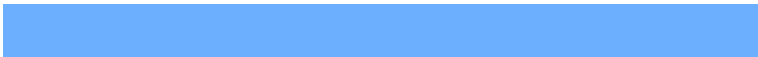
■ 58.1220, 92.6239,  
18.3100

■ 49.2730, 96.9864,  
19.0546

# Harmonies

## Analogous

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



164.3860, 44.6727, -48.5735



176.3930, 34.3163, 6.6713



177.4770, 17.0198, 47.8167

# Triad

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



176.3930, 34.3163, 6.6713



171.6450, -38.2790, 51.1773



134.6430, 20.8820, -118.0819

# Complementary

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



176.3930, 34.3163, 6.6713



228.6070, -34.3163, -6.6713

# 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.



154.6620, -11.1724, -56.7086



176.3930, 34.3163, 6.6713



168.3180, -42.5548, 22.5231

# Square

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



176.3930, 34.3163, 6.6713



173.3650, -23.3509, 69.8399



163.9050, -32.9842, -13.9487



139.0720, 40.3905, -121.9661



# Rectangle

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



176.3930, 34.3163, 6.6713



176.1450, 3.8725, 64.7708



163.9050, -32.9842, -13.9487



136.8200, 12.4137, -108.5901

# Sweetspot

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



176.3930, 34.3163, 6.6713



232.5840, 11.0511, 2.1188



205.3120, 20.0592, -40.6156



114.4330, 6.6885, 1.3743



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.



176.3930, 34.3163, 6.6713



169.4670, 42.1678, 8.3604



189.2500, 27.9778, 33.1067



112.5640, 4.6519, 1.2594



37.0510, 73.4319, 13.9873



11.8090, 23.2652, 4.5525



# Inverse Universe

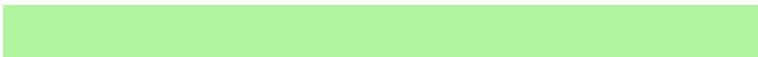
The Inverse Universe completely reimagines the original color for something new.



192.0810, 14.2571, 47.2870



188.6570, 17.4241, 58.1828



215.7500, -27.9778, -33.1067



114.6140, 2.1623, 6.4775



70.7760, 30.6764, 101.0514

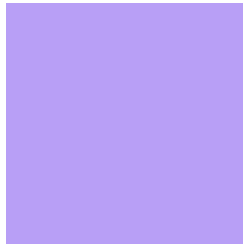


22.4290, 9.6485, 32.0728



# Previews

## White Background



This preview shows how the YUV color 176.3930, 34.3163, 6.6713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

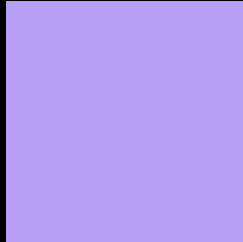
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 176.3930, 34.3163, 6.6713 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

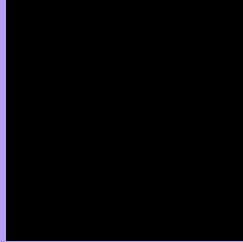
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 176.3930, 34.3163, 6.6713

## Background



This preview shows how black text looks on a background with the YUV color 176.3930, 34.3163, 6.6713.



This preview shows how white text looks on a background with the YUV color 176.3930, 34.3163,



# 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

176.3930, 34.3163, 6.6713

### Protanopia

171.9160, 40.9604, -24.4823

### Deuteranopia

172.1460, 35.4240, -22.0530



## Tritanopia

173.1940, 5.8204, -0.1701

# Trichromacy



**Original Color**

176.3930, 34.3163, 6.6713

**Protanomaly**

173.7110, 38.5965, -12.9015

**Deuteranomaly**

173.7990, 35.1021, -12.1017

**Tritanomaly**

174.5500, 15.9978, 2.1486

# Monochromacy



**Original Color**

176.3930, 34.3163, 6.6713

**Achromatopsia**

176.0000, 0.0000, 0.0000

**Achromatomaly**

176.2250, 12.2141, 2.4337

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 176.3930, 34.3163, 6.6713 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(184, 159, 246)` looks like.

```
.text, #text, p{  
    color:rgb(184, 159, 246)  
}
```

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(184, 159, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 159, 246) }
```

## Border

The CSS property to change the border of an element to YUV 176.3930, 34.3163, 6.6713 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(184, 159, 246) }
```



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

```
.border{ border-color:rgb(184, 159, 246) }
```

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

Here you see how a box with a 4 pixel rgb(184, 159, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 159, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 159, 246);  
box-shadow:4px 4px 4px 4px rgb(184, 159,  
246) }
```

# Background

The CSS property to change the background color of an element to YUV 176.3930, 34.3163, 6.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 159, 246) }
```

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

```
.background{ background-color: rgb(184,  
159, 246) }
```

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