

# Converting Colors

YUV(144.8750, 46.8966,  
31.6816)

Have a look what the booklet for  
YUV(144.8750, 46.8966, 31.6816)  
contains.

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# Color

**YUV(144.8750, 46.8966,  
31.6816)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B56CF0
RGB	181, 108, 240
RGB Percent	71%, 42%, 94%
CMY	0.2902, 0.5765, 0.0588
CMYK	0.25, 0.55, 0.00, 0.06
HSL	273°, 81%, 68%
HSV	273°, 55%, 94%
XYZ	40.1468, 26.8402, 85.5028
YIQ	144.8750, 1.1360, 56.5280

# Conversions

## Conversions Part 2

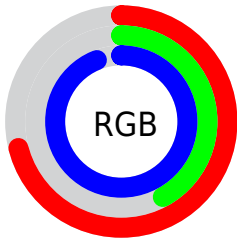
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 108, 240
Decimal	11889904
CIE Lab	58.83, 52.63, -55.51
CIE LCh	59, 76.488, 313.474
Yxy	26.8402, 0.2633, 0.1760
Android (android.graphics.Color)	4290079984 (0xFFB56CF0)
YUV	144.8750, 46.8966, 31.6816
Hunter-Lab	51.8075, 47.6606, -61.5866

# Details

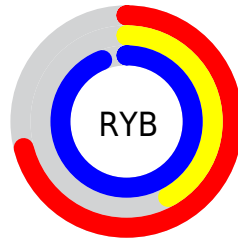
The YUV color **144.8750, 46.8966, 31.6816** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **203.1250, -46.8966, -31.6816**, and the grayscale version is **144.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **195.6250, 29.2719, 38.0399**, and **90.8100, 45.4497, 29.1076** is the 20% darker color. If you saturate the color by 10%, you get **127.4980, 55.4635, 37.2743**, and if you desaturate by 10%, it is **162.2520, 38.3298, 26.0890**.

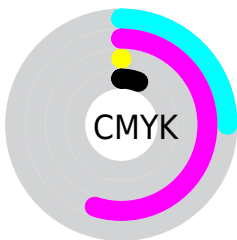
# Distribution



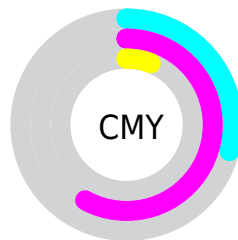
- Red (71%)
- Green (42%)
- Blue (94%)



- Red (71%)
- Yellow (42%)
- Blue (94%)



- Cyan (25%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)



- Cyan (29%)
- Magenta (58%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 144.8750, 46.8966, 31.6816 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 144.8750, 46.8966, 31.6816 by changing the saturation by 10% instead.



144.8750, 46.8966,  
31.6816

144.8750, 46.8966,  
31.6816

255.0000, 0.0000,  
0.0000

117.6360, 46.0285,  
30.1372

195.6250, 29.2719,  
38.0399

90.8100, 45.4497,  
29.1076

216.8450, 18.8104,  
33.4619

63.8100, 45.4497,  
29.1076

233.2810, 10.7075,  
19.0476

35.3370, 46.1759,  
29.5225

250.3040, 2.3151,  
4.1184

23.4030, 39.2413,  
13.6786

11.6970, 33.1804,  
-2.3653

6.7430, 23.2977,

-5.9136

■ 4.8220, 13.3988,  
-4.2289

■ 0.4560, 1.7472,  
-0.3999

■ 144.8750, 46.8966,  
31.6816

■ 144.8750, 46.8966,  
31.6816

■ 127.4980, 55.4635,  
37.2743

■ 162.2520, 38.3298,  
26.0890

■ 110.4200, 63.8829,  
43.4817

■ 179.3300, 29.9103,  
19.8816

■ 93.0430, 72.4498,  
49.0743

■ 196.7070, 21.3434,  
14.2890

■ 75.6660, 81.0167,  
54.6669

■ 214.0840, 12.7766,  
8.6963

67.1270, 85.2264,  
57.7706

231.4610, 4.2097,  
3.1037

248.5390, -4.2097,  
-3.1037

253.2900, -6.5520,  
1.4997

# Harmonies

## Analogous

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



111.2500, 70.8688, -97.5662



144.8750, 46.8966, 31.6816



135.5440, 22.4098, 92.4849

# Triad

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



144.8750, 46.8966, 31.6816



133.4740, -65.8027, 59.2203



119.8710, 25.2066, -105.1269

# Complementary

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



144.8750, 46.8966, 31.6816



203.1250, -46.8966, -31.6816

# 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.



110.7170, -4.7905, -97.0988



144.8750, 46.8966, 31.6816



129.6330, -63.9091, 11.7229

# Square

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



144.8750, 46.8966, 31.6816



132.0620, -40.4566, 96.4156



116.1120, -43.9322, -49.2102



125.7650, 52.8669, -110.2959



# Rectangle

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



144.8750, 46.8966, 31.6816



127.6700, 4.5997, 111.6684



116.1120, -43.9322, -49.2102



117.2490, 15.1602, -102.8274

# Sweetspot

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



144.8750, 46.8966, 31.6816



224.0780, 15.2445, 10.4556



157.6810, 40.5833, -43.5702



109.1500, 9.2931, 6.0075



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.



144.8750, 46.8966, 31.6816



133.9590, 59.6732, 40.3780



161.7180, 35.1420, 68.6533



111.1620, 4.3571, 2.4889



51.4740, 65.3353, 44.3113



15.6530, 19.8911, 13.4593



# Inverse Universe

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



154.1940, 6.3134, 75.2519



145.7820, 7.9955, 95.7842



186.2820, -35.1420, -68.6533



112.1580, 0.4151, 6.8774



64.3640, 8.6945, 104.9208

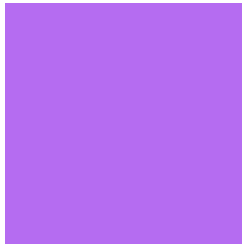


19.5940, 2.6652, 31.9281



# Previews

## White Background



This preview shows how the YUV color 144.8750, 46.8966, 31.6816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

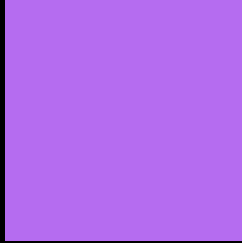
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 144.8750, 46.8966, 31.6816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

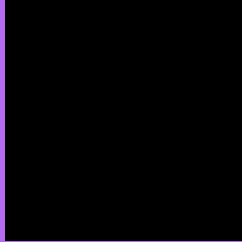
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 144.8750, 46.8966, 31.6816 Background



This preview shows how black text looks on a background with the YUV color 144.8750, 46.8966, 31.6816.



This preview shows how white text looks on a background with the YUV color 144.8750, 46.8966, 31.6816.



# 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

144.8750, 46.8966, 31.6816

### Protanopia

135.1920, 59.0653, -44.8954

### Deuteranopia

134.7330, 48.4456, -45.3698



## Tritanopia

143.4090, -0.2016, 18.0583

# Trichromacy



## Original Color

144.8750, 46.8966, 31.6816



## Protanomaly

138.6300, 54.9054, -17.2155



## Deuteranomaly

138.7950, 47.9221, -17.3602



## Tritanomaly

143.9100, 16.8064, 22.8809

# Monochromacy



## Original Color

144.8750, 46.8966, 31.6816



## Achromatopsia

145.0000, 0.0000, 0.0000



## Achromatomaly

145.2460, 17.1337, 11.1853

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 144.8750, 46.8966, 31.6816 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(181, 108, 240)` looks like.

```
.text, #text, p{  
    color:rgb(181, 108, 240)  
}
```

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(181, 108, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 108, 240) }
```

## Border

The CSS property to change the border of an element to YUV 144.8750, 46.8966, 31.6816 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(181, 108, 240) }
```



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

```
.border{ border-color:rgb(181, 108, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 108, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 108, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 108, 240);  
box-shadow:4px 4px 4px 4px rgb(181, 108,  
240) }
```

# Background

The CSS property to change the background color of an element to YUV 144.8750, 46.8966, 31.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 108, 240) }
```

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

```
.background{ background-color: rgb(181,  
108, 240) }
```

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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