

# Converting Colors

YUV(156.0470, 12.3018,  
21.0068)

Have a look what the booklet for  
YUV(156.0470, 12.3018, 21.0068)  
contains.

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# Color

**YUV(156.0470, 12.3018,  
21.0068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B48BB5
RGB	180, 139, 181
RGB Percent	71%, 55%, 71%
CMY	0.2941, 0.4549, 0.2902
CMYK	0.01, 0.23, 0.00, 0.29
HSL	299°, 22%, 63%
HSV	299°, 23%, 71%
XYZ	36.3955, 31.5047, 47.8788
YIQ	156.0470, 10.9540, 21.7540

# Conversions

## Conversions Part 2

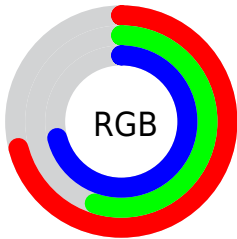
Format	Color
R <sub>Y</sub> B	180, 139, 181
Decimal	11832245
CIE Lab	62.93, 22.86, -16.00
CIE LCh	63, 27.903, 325.017
Yxy	31.5047, 0.3144, 0.2721
Android (android.graphics.Color)	4290022325 (0xFFB48BB5)
YUV	156.0470, 12.3018, 21.0068
Hunter-Lab	56.1291, 17.5180, -11.2848

# Details

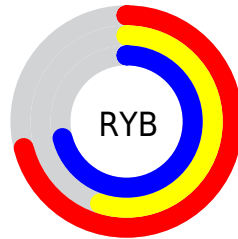
The YUV color **156.0470, 12.3018, 21.0068** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **163.9530, -12.3018, -21.0068**, and the grayscale version is **156.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **210.8730, 12.8806, 22.0364**, and **104.8080, 11.4337, 19.4624** is the 20% darker color. If you saturate the color by 10%, you get **145.4810, 17.5109, 30.2732**, and if you desaturate by 10%, it is **166.6130, 7.0928, 11.7404**.

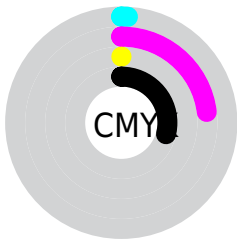
# Distribution



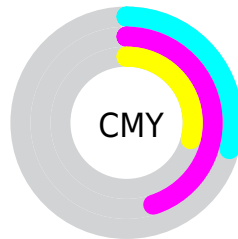
- Red (71%)
- Green (55%)
- Blue (71%)



- Red (71%)
- Yellow (55%)
- Blue (71%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)
- Black (29%)



- Cyan (29%)
- Magenta (45%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 156.0470, 12.3018, 21.0068 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 156.0470, 12.3018, 21.0068 by changing the saturation by 10% instead.



■ 156.0470, 12.3018,  
21.0068

■ 156.0470, 12.3018,  
21.0068

255.0000, 0.0000,  
0.0000

■ 129.6340, 12.0124,  
20.4920

■ 210.8730, 12.8806,  
22.0364

■ 104.8080, 11.4337,  
19.4624

■ 235.0420, 9.8393,  
17.5032

■ 80.0960, 11.2917,  
18.3328

■ 251.4780, 1.7363,  
3.0888

■ 56.6830, 11.0023,  
17.8180

■ 33.9710, 10.8603,  
16.6884

■ 13.7430, 9.9867,  
16.8884

■ 1.0260, 3.9312,

-0.8998

■ 0.0000, 0.0000,  
0.0000

■ 156.0470, 12.3018,  
21.0068

■ 156.0470, 12.3018,  
21.0068

■ 145.4810, 17.5109,  
30.2732

■ 166.6130, 7.0928,  
11.7404

■ 134.6160, 22.8673,  
38.9248

■ 177.4780, 1.7363,  
3.0888

■ 124.0500, 28.0764,  
48.1912

■ 188.0440, -3.4727,  
-6.1776

■ 113.1850, 33.4328,  
56.8428

■ 198.9090, -8.8291,  
-14.8292

■ 102.0320, 38.9312,  
66.6239

■ 210.0620,  
-14.3276, -24.6104

91.1670, 44.2877,  
75.2755

220.9270,  
-19.6840, -33.2620

80.6010, 49.4967,  
84.5419

225.0360,  
-21.7097, -36.8656

73.5570, 52.9694,  
90.7195

225.3350,  
-21.8572, -36.2508

# Harmonies

## Analogous

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



153.5970, 21.3977, -3.1546



156.0470, 12.3018, 21.0068



155.7580, 0.6123, 37.0462

# Triad

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



156.0470, 12.3018, 21.0068



151.2310, -23.7779, 19.9684



138.8770, 16.3296, -57.7741

# Complementary

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



156.0470, 12.3018, 21.0068



163.9530, -12.3018, -21.0068

# 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.



141.4090, 2.7564, -44.2087



156.0470, 12.3018, 21.0068



148.6090, -20.5132, -0.5341

# Square

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



156.0470, 12.3018, 21.0068



153.3560, -19.8955, 34.7678



145.2840, -10.9860, -23.0511



141.2010, 25.0439, -52.7963



# Rectangle

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



156.0470, 12.3018, 21.0068



155.1300, -6.9661, 41.1050



145.2840, -10.9860, -23.0511



139.1610, 12.2456, -54.5152

# Sweetspot

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



156.0470, 12.3018, 21.0068



224.7220, 5.0671, 8.1368



144.3750, 18.0561, -4.7139



111.7170, 2.6045, 4.6332



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



156.0470, 12.3018, 21.0068



195.6600, 19.3946, 32.7472



154.0660, 3.4185, 23.6211



83.7170, 2.6045, 4.6332



61.9930, 44.8665, 76.3051



10.4390, 7.6716, 12.7700



# Inverse Universe

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



151.6720, -5.7543, 25.7207



188.8480, -9.2921, 40.4753



165.9340, -3.4185, -23.6211



82.8050, -0.8899, 5.4330



46.2030, -20.8061, 93.6610

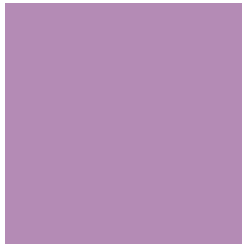


7.8880, -3.3958, 15.8842



# Previews

## White Background



This preview shows how the YUV color 156.0470, 12.3018, 21.0068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

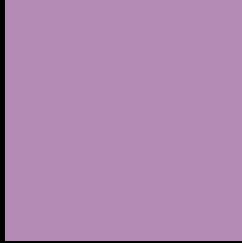
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 156.0470, 12.3018, 21.0068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

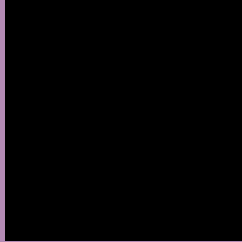
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 156.0470, 12.3018, 21.0068

## Background



This preview shows how black text looks on a background with the YUV color 156.0470, 12.3018, 21.0068.



This preview shows how white text looks on a background with the YUV color 156.0470, 12.3018,



# 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

156.0470, 12.3018, 21.0068

### Protanopia

152.9400, 17.7776, -8.7174

### Deuteranopia

153.9150, 12.3669, 0.0745



## Tritanopia

154.8220, 0.0878, 18.5731

# Trichromacy



## Original Color

156.0470, 12.3018, 21.0068

## Protanomaly

154.1370, 15.7085, 1.6339

## Deuteranomaly

154.3720, 12.6346, 7.5668

## Tritanomaly

154.9730, 4.4503, 19.3177

# Monochromacy



## Original Color

156.0470, 12.3018, 21.0068

## Achromatopsia

156.0000, 0.0000, 0.0000

## Achromatomaly

156.1950, 4.3409, 7.7220

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 156.0470, 12.3018, 21.0068 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(180, 139, 181)` looks like.

```
.text, #text, p{  
    color:rgb(180, 139, 181)  
}
```

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(180, 139, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 139, 181) }
```

## Border

The CSS property to change the border of an element to YUV 156.0470, 12.3018, 21.0068 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(180, 139, 181) }
```



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

```
.border{ border-color:rgb(180, 139, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 139, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 139, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 139, 181);  
box-shadow:4px 4px 4px 4px rgb(180, 139,  
181) }
```

# Background

The CSS property to change the background color of an element to YUV 156.0470, 12.3018, 21.0068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 139, 181) }
```

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

```
.background{ background-color: rgb(180,  
139, 181) }
```

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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