

# Converting Colors

YUV(81.4570, 0.7607, 82.9142)

Have a look what the booklet for  
YUV(81.4570, 0.7607, 82.9142)  
contains.

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# Color

**YUV(81.4570, 0.7607,  
82.9142)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B02153</a>
RGB	<a href="#">176, 33, 83</a>
RGB Percent	<a href="#">69%, 13%, 33%</a>
CMY	<a href="#">0.3098, 0.8706, 0.6745</a>
CMYK	<a href="#">0.00, 0.81, 0.53, 0.31</a>
HSL	<a href="#">339°, 68%, 41%</a>
HSV	<a href="#">339°, 81%, 69%</a>
XYZ	<a href="#">20.0097, 10.9424, 9.2411</a>
YIQ	<a href="#">81.4570, 69.1780, 45.8660</a>

# Conversions

## Conversions Part 2

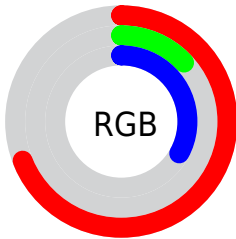
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 33, 83
Decimal	11542867
CIE <sub>Lab</sub>	39.48, 58.29, 7.77
CIE <sub>LCh</sub>	39, 58.807, 7.591
Yxy	10.9424, 0.4978, 0.2722
Android (android.graphics.Color)	4289732947 (0xFFB02153)
YUV	81.4570, 0.7607, 82.9142
Hunter-Lab	33.0792, 50.0863, 6.5921

# Details

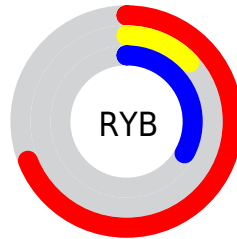
The YUV color **81.4570, 0.7607, 82.9142** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **127.5430, -0.7607, -82.9142**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.0890, -4.4809, 84.1139**, and **39.4290, -0.2115, 68.0298** is the 20% darker color. If you saturate the color by 10%, you get **69.6370, 1.1650, 93.2804**, and if you desaturate by 10%, it is **93.2770, 0.3564, 72.5481**.

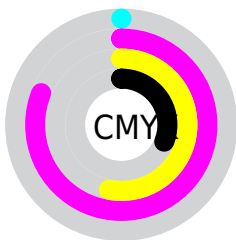
# Distribution



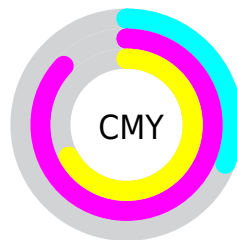
- Red (69%)
- Green (13%)
- Blue (33%)



- Red (69%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (81%)
- Yellow (53%)
- Black (31%)



- Cyan (31%)
- Magenta (87%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.4570, 0.7607, 82.9142 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 81.4570, 0.7607, 82.9142 by changing the saturation by 10% instead.



81.4570, 0.7607,  
82.9142

81.4570, 0.7607,  
82.9142

255.0000, 0.0000,  
0.0000

50.4940, 4.6865,  
83.7588

141.0890, -4.4809,  
84.1139

39.4290, -0.2115,  
68.0298

165.8710, -3.8804,  
78.1661

28.3640, -5.1095,  
52.3008

185.3850, -0.1898,  
61.0524

18.8800, -7.8288,  
37.8162

205.0130, 3.9376,  
43.8386

7.8880, -3.3958,  
15.8842

225.2280, 7.7756,  
26.1100

0.0000, 0.0000,  
0.0000

243.8470, 5.4984,

9.7812

■ 81.4570, 0.7607,  
82.9142

■ 81.4570, 0.7607,  
82.9142

■ 69.6370, 1.1650,  
93.2804

■ 93.2770, 0.3564,  
72.5481

■ 59.6920, 1.1378,  
102.0021

■ 104.6240, 0.6784,  
62.5968

■ 116.4440, 0.2741,  
52.2306

■ 127.7910, 0.5960,  
42.2793

■ 139.6110, 0.1918,  
31.9132

■ 151.5450, 0.2243,  
21.4470

■ 162.7780, 0.1094,  
11.5957

■ 174.7120, 0.1420,  
1.1296

■ 185.9450, 0.0271,  
-8.7218

# Harmonies

## Analogous

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



89.7650, 20.3289, 59.8421



81.4570, 0.7607, 82.9142



84.9740, -23.6512, 72.8138

# Triad

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



81.4570, 0.7607, 82.9142



76.8730, -37.8984, -24.4446



84.1440, 48.2430, -73.7943

# Complementary

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



81.4570, 0.7607, 82.9142



127.5430, -0.7607, -82.9142

# 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.



83.5450, 33.2553, -73.2690



81.4570, 0.7607, 82.9142



71.9000, -8.8247, -63.0563

# Square

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



81.4570, 0.7607, 82.9142



86.2630, -42.5277, 13.8013



78.7740, 12.4364, -69.0848



77.3110, 55.0627, -67.8017



# Rectangle

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



81.4570, 0.7607, 82.9142



85.9510, -42.3738, 57.9250



78.7740, 12.4364, -69.0848



84.4060, 44.1698, -74.0241

# Sweetspot

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



81.4570, 0.7607, 82.9142



193.0240, 0.4812, 32.4280



77.1090, 48.7533, 42.8774



92.5340, 0.2297, 19.7027



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



81.4570, 0.7607, 82.9142



81.1670, 0.9037, 130.5265



88.0840, -27.1564, 77.1023



83.0330, -0.0163, 5.2331



51.7890, 0.5970, 88.7620



8.8000, 0.0986, 15.0844



# Inverse Universe

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



81.4570, 0.7607, 82.9142



81.1670, 0.9037, 130.5265



120.9160, 27.1564, -77.1023



83.0330, -0.0163, 5.2331



51.7890, 0.5970, 88.7620



8.8000, 0.0986, 15.0844



# Previews

## White Background



This preview shows how the YUV color 81.4570, 0.7607, 82.9142 looks on a white 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



# Black Background



This preview shows how the YUV color 81.4570, 0.7607, 82.9142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

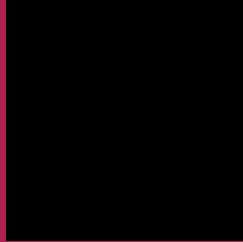
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.4570, 0.7607, 82.9142

## Background



This preview shows how black text looks on a background with the YUV color 81.4570, 0.7607, 82.9142.



This preview shows how white text looks on a background with the YUV color 81.4570, 0.7607, 82.9142.



# 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

81.4570, 0.7607, 82.9142

### Protanopia

94.4970, 9.6150, -3.9439

### Deuteranopia

94.9710, -9.3527, 13.1804



## Tritanopia

82.9840, -18.7261, 79.8210

# Trichromacy



## Original Color

81.4570, 0.7607, 82.9142

## Protanomaly

89.5980, 6.6072, 27.5396

## Deuteranomaly

90.1620, -5.5029, 38.4459

## Tritanomaly

82.5310, -11.6008, 81.0953

# Monochromacy



## Original Color

81.4570, 0.7607, 82.9142

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.6000, 0.1972, 30.1688

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.4570, 0.7607, 82.9142 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(176, 33, 83)` looks like.

```
.text, #text, p{  
    color:rgb(176, 33, 83)  
}
```

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(176, 33, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 33, 83) }
```

## Border

The CSS property to change the border of an element to YUV 81.4570, 0.7607, 82.9142 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(176, 33, 83) }
```



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

```
.border{ border-color:rgb(176, 33, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 33, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 33, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 33, 83);  
box-shadow:4px 4px 4px 4px rgb(176, 33,  
83) }
```

# Background

The CSS property to change the background color of an element to YUV 81.4570, 0.7607, 82.9142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 33, 83) }
```

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

```
.background{ background-color: rgb(176, 33,  
83) }
```

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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