

# Converting Colors

YUV(102.2140, 66.4495,  
60.3253)

Have a look what the booklet for  
YUV(102.2140, 66.4495, 60.3253)  
contains.

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# Color

**YUV(102.2140, 66.4495,  
60.3253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB29ED
RGB	171, 41, 237
RGB Percent	67%, 16%, 93%
CMY	0.3294, 0.8392, 0.0706
CMYK	0.28, 0.83, 0.00, 0.07
HSL	280°, 84%, 55%
HSV	280°, 83%, 93%
XYZ	32.8736, 16.3582, 81.5456
YIQ	102.2140, 14.5640, 88.5160

# Conversions

## Conversions Part 2

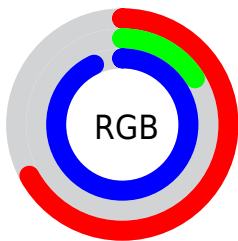
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 41, 237
Decimal	11217389
CIE <sub>Lab</sub>	47.44, 77.52, -72.24
CIE <sub>LCh</sub>	47, 105.965, 317.017
Yxy	16.3582, 0.2514, 0.1251
Android (android.graphics.Color)	4289407469 (0xFFAB29ED)
YUV	102.2140, 66.4495, 60.3253
Hunter-Lab	40.4453, 74.3039, -91.2284

# Details

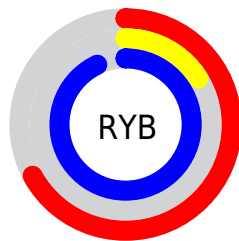
The YUV color **102.2140, 66.4495, 60.3253** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **175.7860, -66.4495, -60.3253**, and the grayscale version is **102.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.1870, 47.2358, 62.9800**, and **53.7090, 62.2615, 50.2442** is the 20% darker color. If you saturate the color by 10%, you get **85.7340, 74.5741, 67.7623**, and if you desaturate by 10%, it is **118.6940, 58.3249, 52.8884**.

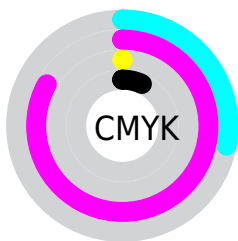
# Distribution



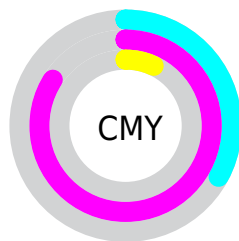
- Red (67%)
- Green (16%)
- Blue (93%)



- Red (67%)
- Yellow (16%)
- Blue (93%)



- Cyan (28%)
- Magenta (83%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (84%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 102.2140, 66.4495, 60.3253 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 102.2140, 66.4495, 60.3253 by changing the saturation by 10% instead.



102.2140, 66.4495,  
60.3253

102.2140, 66.4495,  
60.3253

255.0000, 0.0000,  
0.0000

65.8710, 70.0696,  
65.8881

159.1870, 47.2358,  
62.9800

53.7090, 62.2615,  
50.2442

183.3860, 35.3057,  
62.8055

41.5470, 54.4533,  
34.6003

200.4090, 26.9134,  
47.8763

28.9010, 47.3768,  
17.6268

217.4320, 18.5210,  
32.9471

13.6780, 42.0637,  
-4.9796

235.0420, 9.8393,  
17.5032

8.4360, 32.3231,  
-7.3984

252.6520, 1.1576,

8.1620, 21.1191,

2.0592

-7.1581

■ 4.4800, 12.0884,  
-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 102.2140, 66.4495,  
60.3253

■ 102.2140, 66.4495,  
60.3253

■ 85.7340, 74.5741,  
67.7623

■ 118.6940, 58.3249,  
52.8884

■ 73.9610, 80.3782,  
72.8252

■ 134.5870, 50.4896,  
45.9662

■ 151.0670, 42.3650,  
38.5292

■ 167.5470, 34.2403,  
31.0923

■ 184.0270, 26.1157,  
23.6553

■ 199.9200, 18.2804,  
16.7332

■ 216.4000, 10.1558,  
9.2962

■ 232.8800, 2.0312,  
1.8592

■ 248.7730, -5.8041,  
-5.0629

# Harmonies

## Analogous

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



93.0530, 79.8399, -81.6075



102.2140, 66.4495, 60.3253



90.6260, 31.7364, 134.5090

# Triad

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



102.2140, 66.4495, 60.3253



106.2960, -52.4039, 54.9914



103.6970, 29.2364, -90.9423

# Complementary

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



102.2140, 66.4495, 60.3253



175.7860, -66.4495, -60.3253

# 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.



91.8070, -11.2439, -80.5147



102.2140, 66.4495, 60.3253



99.3990, -49.0037, -9.1199

# Square

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



102.2140, 66.4495, 60.3253



73.1560, -36.0659, 134.9212



80.4190, -39.6466, -70.5275



113.0450, 65.0538, -99.1405



# Rectangle

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



102.2140, 66.4495, 60.3253



87.3030, 4.7806, 147.0703



80.4190, -39.6466, -70.5275



100.1630, 15.6956, -87.8430

# Sweetspot

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



102.2140, 66.4495, 60.3253



211.1530, 21.6166, 20.0368



103.8470, 65.6444, -55.1168



101.2200, 13.2025, 12.0851



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.



102.2140, 66.4495, 60.3253



81.6610, 85.4561, 77.4733



118.6420, 44.0535, 103.8000



109.3470, 3.7729, 3.2037



56.5140, 61.3716, 55.6772



16.9200, 18.2804, 16.7332



# Inverse Universe

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



107.1280, -0.0631, 113.8977



88.0380, -0.0187, 146.4257



159.3580, -44.0535, -103.8000



109.7450, 0.1257, 6.3626



61.0730, -0.0360, 105.1760

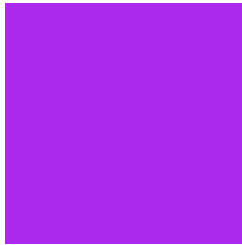


18.1980, -0.0976, 31.3984



# Previews

## White Background



This preview shows how the YUV color 102.2140, 66.4495, 60.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

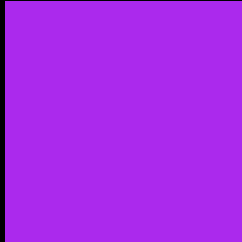
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 102.2140, 66.4495, 60.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

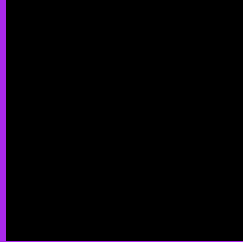
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 102.2140, 66.4495, 60.3253

## Background



This preview shows how black text looks on a background with the YUV color 102.2140, 66.4495, 60.3253.



This preview shows how white text looks on a background with the YUV color 102.2140, 66.4495,



# 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

102.2140, 66.4495, 60.3253

### Protanopia

90.2030, 68.9199, -79.1080

### Deuteranopia

90.3050, 54.0796, -79.1975



## Tritanopia

114.1610, -4.0234, 30.5538

# Trichromacy



## Original Color

102.2140, 66.4495, 60.3253



## Protanomaly

94.4080, 68.3259, -28.4218



## Deuteranomaly

94.4760, 58.4323, -28.4815



## Tritanomaly

109.6980, 21.8409, 41.4839

# Monochromacy



## Original Color

102.2140, 66.4495, 60.3253



## Achromatopsia

102.0000, 0.0000, 0.0000



## Achromatomaly

102.1470, 24.0845, 21.7961

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 102.2140, 66.4495, 60.3253 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(171, 41, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 41, 237)  
}
```

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(171, 41, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 41, 237) }
```

## Border

The CSS property to change the border of an element to YUV 102.2140, 66.4495, 60.3253 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(171, 41, 237) }
```



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

```
.border{ border-color:rgb(171, 41, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 41, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 41, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 41, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 41,  
237) }
```

# Background

The CSS property to change the background color of an element to YUV 102.2140, 66.4495, 60.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 41, 237) }
```

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

```
.background{ background-color: rgb(171, 41,  
237) }
```

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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