

# Converting Colors

YUV(135.0780, 42.3595,  
40.2736)

Have a look what the booklet for  
YUV(135.0780, 42.3595, 40.2736)  
contains.

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# Color

**YUV(135.0780, 42.3595,  
40.2736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B55FDD
RGB	181, 95, 221
RGB Percent	71%, 37%, 87%
CMY	0.2902, 0.6275, 0.1333
CMYK	0.18, 0.57, 0.00, 0.13
HSL	281°, 65%, 62%
HSV	281°, 57%, 87%
XYZ	36.1994, 23.2286, 70.9823
YIQ	135.0780, 10.8100, 57.4180

# Conversions

## Conversions Part 2

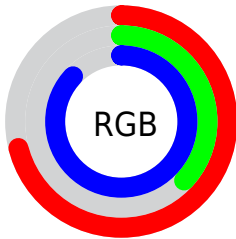
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 95, 221
Decimal	11886557
CIE <sub>Lab</sub>	55.31, 55.07, -50.47
CIE <sub>LCh</sub>	55, 74.703, 317.494
Yxy	23.2286, 0.2776, 0.1781
Android (android.graphics.Color)	4290076637 (0xFFB55FDD)
YUV	135.0780, 42.3595, 40.2736
Hunter-Lab	48.1961, 49.7257, -53.5839

# Details

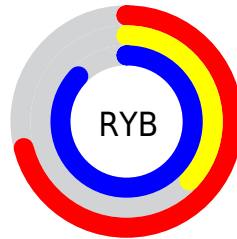
The YUV color **135.0780, 42.3595, 40.2736** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **180.9220, -42.3595, -40.2736**, and the grayscale version is **135.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **187.9940, 33.0340, 44.7323**, and **80.2520, 41.7808, 39.2440** is the 20% darker color. If you saturate the color by 10%, you get **120.0710, 49.7580, 47.2957**, and if you desaturate by 10%, it is **150.0850, 34.9611, 33.2515**.

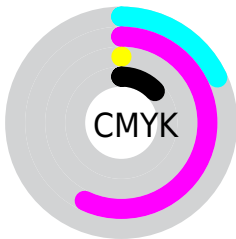
# Distribution



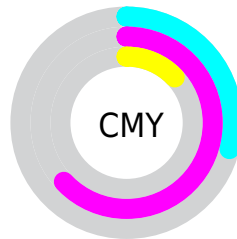
- Red (71%)
- Green (37%)
- Blue (87%)



- Red (71%)
- Yellow (37%)
- Blue (87%)



- Cyan (18%)
- Magenta (57%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (63%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 135.0780, 42.3595, 40.2736 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 135.0780, 42.3595, 40.2736 by changing the saturation by 10% instead.



■ 135.0780, 42.3595,  
40.2736

■ 135.0780, 42.3595,  
40.2736

255.0000, 0.0000,  
0.0000

■ 107.6650, 42.0702,  
39.7588

■ 187.9940, 33.0340,  
44.7323

■ 80.2520, 41.7808,  
39.2440

■ 209.2140, 22.5725,  
40.1543

■ 47.6700, 44.5327,  
43.2624

■ 225.6500, 14.4696,  
25.7400

■ 33.6980, 38.6029,  
31.8369

■ 242.6730, 6.0772,  
10.8108

■ 22.7750, 31.6629,  
17.7373

■ 11.3680, 25.4546,  
2.3083

■ 6.3210, 16.6037,

-5.5435

■ 2.6390, 7.5730,  
-2.3144

■ 0.0000, 0.0000,  
0.0000

■ 135.0780, 42.3595,  
40.2736

■ 135.0780, 42.3595,  
40.2736

■ 120.0710, 49.7580,  
47.2957

■ 150.0850, 34.9611,  
33.2515

■ 105.0640, 57.1564,  
54.3179

■ 165.0920, 27.5626,  
26.2293

■ 90.0570, 64.5549,  
61.3400

■ 180.0990, 20.1642,  
19.2072

■ 75.0500, 71.9534,  
68.3621

■ 195.1060, 12.7657,  
12.1850

70.3430, 74.2739,  
70.7362

210.7000, 5.0779,  
4.6481

225.7070, -2.3206,  
-2.3740

240.7140, -9.7190,  
-9.3962

245.7420,  
-12.1978, -7.6667

247.8350,  
-13.2297, -3.3633

# Harmonies

## Analogous

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



117.9710, 67.5553, -61.3646



135.0780, 42.3595, 40.2736



123.3550, 19.0520, 96.1587

# Triad

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



135.0780, 42.3595, 40.2736



124.8580, -61.5550, 50.1135



113.8870, 27.6637, -99.8789

# Complementary

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



135.0780, 42.3595, 40.2736



180.9220, -42.3595, -40.2736

# 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.



104.9610, -1.4598, -92.0508



135.0780, 42.3595, 40.2736



120.1420, -59.2300, 4.2605

# Square

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



135.0780, 42.3595, 40.2736



123.5080, -43.6344, 89.0085



102.4290, -34.7215, -63.5202



118.6240, 53.4294, -104.0332



# Rectangle

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



135.0780, 42.3595, 40.2736



117.9320, 0.5265, 111.4386



102.4290, -34.7215, -63.5202



111.3790, 18.0542, -97.6794

# Sweetspot

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



135.0780, 42.3595, 40.2736



225.5730, 14.5075, 13.5295



134.0180, 42.8821, -34.2188



110.0470, 8.8508, 7.8518



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.



135.0780, 42.3595, 40.2736



137.0040, 58.1720, 55.2475



144.6440, 27.2905, 66.9642



102.3470, 3.7729, 3.2037



55.0040, 58.1720, 55.2475



14.5130, 15.5231, 14.4591



# Inverse Universe

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



137.2340, -1.1014, 73.4628



139.9970, -1.4775, 100.8576



171.3560, -27.2905, -66.9642



102.6310, -0.3111, 6.4626



57.9970, -1.4775, 100.8576



15.4640, -0.2288, 26.7801



# Previews

## White Background



This preview shows how the YUV color 135.0780, 42.3595, 40.2736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

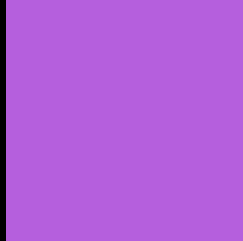
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 135.0780, 42.3595, 40.2736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

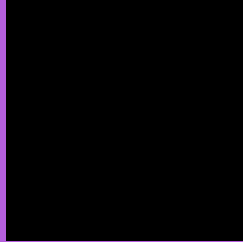
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 135.0780, 42.3595, 40.2736

## Background



This preview shows how black text looks on a background with the YUV color 135.0780, 42.3595, 40.2736.



This preview shows how white text looks on a background with the YUV color 135.0780, 42.3595,



# 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

135.0780, 42.3595, 40.2736

### Protanopia

123.2170, 64.4760, -53.6873

### Deuteranopia

127.8820, 42.4562, -37.6075



## Tritanopia

135.0790, -2.9969, 27.9947

# Trichromacy



## Original Color

135.0780, 42.3595, 40.2736



## Protanomaly

127.6620, 56.3686, -19.8746



## Deuteranomaly

130.4710, 42.6588, -9.1831



## Tritanomaly

135.0530, 13.2849, 32.4025

# Monochromacy



## Original Color

135.0780, 42.3595, 40.2736



## Achromatopsia

135.0000, 0.0000, 0.0000



## Achromatomaly

134.8120, 15.3757, 15.0739

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 135.0780, 42.3595, 40.2736 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, 95, 221)` looks like.

```
.text, #text, p{  
    color:rgb(181, 95, 221)  
}
```

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, 95, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 221) }
```

## Border

The CSS property to change the border of an element to YUV 135.0780, 42.3595, 40.2736 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, 95, 221) }
```



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

```
.border{ border-color:rgb(181, 95, 221) }
```

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

Here you see how a box with a 4 pixel rgb(181, 95, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 221);  
box-shadow:4px 4px 4px 4px rgb(181, 95,  
221) }
```

# Background

The CSS property to change the background color of an element to YUV 135.0780, 42.3595, 40.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 221) }
```

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

```
.background{ background-color: rgb(181, 95,  
221) }
```

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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