

# Converting Colors

YUV(176.2640, 29.9428, 9.4155)

Have a look what the booklet for  
YUV(176.2640, 29.9428, 9.4155)  
contains.

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# Color

**YUV(176.2640, 29.9428,  
9.4155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB9FED
RGB	187, 159, 237
RGB Percent	73%, 62%, 93%
CMY	0.2667, 0.3765, 0.0706
CMYK	0.21, 0.33, 0.00, 0.07
HSL	262°, 68%, 78%
HSV	262°, 33%, 93%
XYZ	48.1777, 41.4755, 85.5871
YIQ	176.2640, -8.3500, 30.1940

# Conversions

## Conversions Part 2

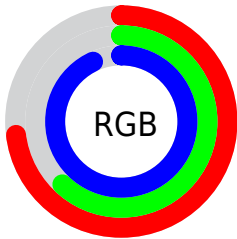
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 159, 237
Decimal	12296173
CIELab	70.51, 25.78, -35.43
CIELCh	71, 43.816, 306.048
Yxy	41.4755, 0.2749, 0.2367
Android (android.graphics.Color)	4290486253 (0xFFBB9FED)
YUV	176.2640, 29.9428, 9.4155
Hunter-Lab	64.4015, 20.8304, -33.7131

# Details

The YUV color  $176.2640, 29.9428, 9.4155$  is a light color, and the websafe version is hex  $CC99FF$ . A complement of this color would be  $219.7360, -29.9428, -9.4155$ , and the grayscale version is  $176.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $227.6440, 13.4865, 14.3442$ , and  $122.9110, 28.6379, 7.9711$  is the 20% darker color. If you saturate the color by 10%, you get  $157.6910, 39.0993, 12.5490$ , and if you desaturate by 10%, it is  $194.8370, 20.7864, 6.2820$ .

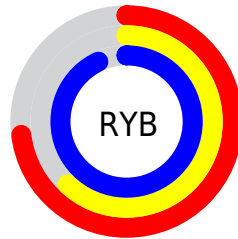
# Distribution



Red (73%)

Green (62%)

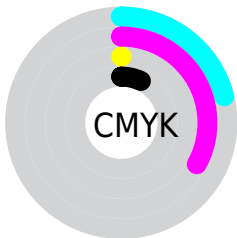
Blue (93%)



Red (73%)

Yellow (62%)

Blue (93%)

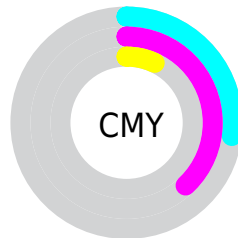


Cyan (21%)

Magenta (33%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (38%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 176.2640, 29.9428, 9.4155 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 176.2640, 29.9428, 9.4155 by changing the saturation by 10% instead.





 176.2640, 29.9428,  
9.4155

 176.2640, 29.9428,  
9.4155


255.0000, 0.0000,  
0.0000


 149.4380, 29.3641,  
8.3859


 227.6440, 13.4865,  
14.3442


 122.9110, 28.6379,  
7.9711

 247.3690, 3.7621,  
6.6924

 97.9710, 27.6223,  
7.0414

 73.4440, 26.8961,  
6.6266

 49.7920, 25.7385,  
4.5674

 27.2540, 25.0178,  
2.4082

 9.8580, 22.2550,

1.8785

■ 4.8220, 13.3988,  
-4.2289

■ 0.4560, 1.7472,  
-0.3999

■ 176.2640, 29.9428,  
9.4155

■ 176.2640, 29.9428,  
9.4155

■ 157.6910, 39.0993,  
12.5490

■ 194.8370, 20.7864,  
6.2820

■ 139.7050, 47.9664,  
15.1677

■ 212.8230, 11.9193,  
3.6632

■ 120.8330, 57.2703,  
17.6865

■ 231.6950, 2.6154,  
1.1445

■ 102.2600, 66.4268,  
20.8200

■ 250.2680, -6.5411,  
-1.9890

■ 83.6870, 75.5833,  
23.9535

■ 252.9480, -7.8624,  
1.7996

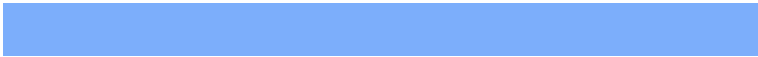
■ 65.7010, 84.4504,  
26.5722

■ 52.4330, 90.9915,  
28.5613

# Harmonies

## Analogous

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



167.8280, 41.0038, -38.4372



176.2640, 29.9428, 9.4155



177.6570, 13.9731, 45.0278

# Triad

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



176.2640, 29.9428, 9.4155



171.7090, -35.3525, 45.8592



133.6970, 22.3344, -117.2523

# Complementary

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



176.2640, 29.9428, 9.4155



219.7360, -29.9428, -9.4155

# 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.



156.6670, -8.7098, -53.2050



176.2640, 29.9428, 9.4155



168.8490, -37.8866, 18.5494

# Square

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



176.2640, 29.9428, 9.4155



173.5490, -22.4557, 62.6625



164.0450, -28.6162, -14.9485



137.5560, 39.6589, -120.6366



# Rectangle

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



176.2640, 29.9428, 9.4155



176.1290, 1.4154, 59.5229



164.0450, -28.6162, -14.9485



146.5670, 9.5805, -86.4433

# Sweetspot

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



176.2640, 29.9428, 9.4155



235.5410, 9.5933, 3.0335



197.8290, 19.3113, -34.0530



115.6180, 6.1043, 2.0890



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.



176.2640, 29.9428, 9.4155



177.7510, 38.0838, 11.6194



187.6260, 24.3414, 32.7770



108.4500, 4.2152, 1.3594



40.0690, 69.4790, 21.8645



11.8370, 20.7864, 6.2820



# Inverse Universe

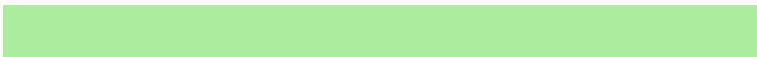
The Inverse Universe completely reimagines the original color for something new.



188.0220, 10.3422, 42.9537



192.7830, 12.9250, 54.5643



208.3740, -24.3414, -32.7770



110.0870, 1.4361, 6.0627



67.3430, 23.9879, 99.6772

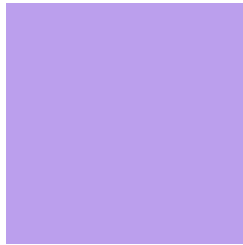


20.0220, 6.8912, 29.7987



# Previews

## White Background



This preview shows how the YUV color 176.2640, 29.9428, 9.4155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

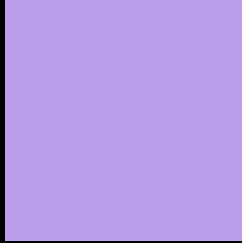
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 176.2640, 29.9428, 9.4155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

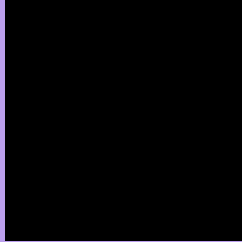
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 176.2640, 29.9428, 9.4155

## Background



This preview shows how black text looks on a background with the YUV color 176.2640, 29.9428, 9.4155.



This preview shows how white text looks on a background with the YUV color 176.2640, 29.9428, 9.4155.



# 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

176.2640, 29.9428, 9.4155

### Protanopia

172.3850, 36.2922, -20.5086

### Deuteranopia

172.6260, 30.7504, -16.3350



## Tritanopia

173.5750, 4.6465, 3.0037

# Trichromacy



## Original Color

176.2640, 29.9428, 9.4155

## Protanomaly

173.8810, 34.0757, -9.5426

## Deuteranomaly

173.9800, 30.5759, -6.9985

## Tritanomaly

174.7030, 13.9504, 5.5225

# Monochromacy



## Original Color

176.2640, 29.9428, 9.4155

## Achromatopsia

176.0000, 0.0000, 0.0000

## Achromatomaly

176.1820, 10.7563, 3.3484

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 176.2640, 29.9428, 9.4155 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(187, 159, 237)` looks like.

```
.text, #text, p{  
    color:rgb(187, 159, 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(187, 159, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 159, 237) }
```

## Border

The CSS property to change the border of an element to YUV 176.2640, 29.9428, 9.4155 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(187, 159, 237) }
```



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

```
.border{ border-color:rgb(187, 159, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 159, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 159, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 159, 237); box-shadow:4px 4px 4px 4px rgb(187, 159, 237) }
```

# Background

The CSS property to change the background color of an element to YUV 176.2640, 29.9428, 9.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 159, 237) }
```

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

```
.background{ background-color: rgb(187,  
159, 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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