

# Converting Colors

YUV(164.0120, 38.9411,  
16.6525)

Have a look what the booklet for  
YUV(164.0120, 38.9411, 16.6525)  
contains.

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# Color

**YUV(164.0120, 38.9411,  
16.6525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B78BF3</a>
RGB	183, 139, 243
RGB Percent	72%, 55%, 95%
CMY	0.2824, 0.4549, 0.0471
CMYK	0.25, 0.43, 0.00, 0.05
HSL	265°, 81%, 75%
HSV	265°, 43%, 95%
XYZ	44.9387, 35.0036, 89.1819
YIQ	164.0120, -7.1600, 41.6720

# Conversions

## Conversions Part 2

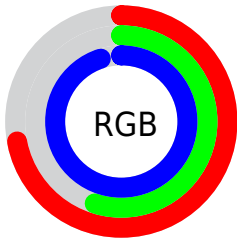
Format	Color
R <sub>Y</sub> B	183, 139, 243
Decimal	12028915
CIE Lab	65.75, 37.14, -46.18
CIE LCh	66, 59.261, 308.813
Yxy	35.0036, 0.2657, 0.2070
Android (android.graphics.Color)	4290218995 (0xFFB78BF3)
YUV	164.0120, 38.9411, 16.6525
Hunter-Lab	59.1638, 32.0455, -47.9574

# Details

The YUV color **164.0120, 38.9411, 16.6525** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **217.9880, -38.9411, -16.6525**, and the grayscale version is **164.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.4200, 20.0059, 23.3107**, and **111.1320, 36.9099, 14.7932** is the 20% darker color. If you saturate the color by 10%, you get **145.7380, 47.9502, 20.4008**, and if you desaturate by 10%, it is **182.2860, 29.9320, 12.9042**.

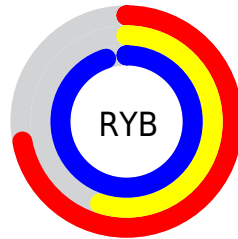
# Distribution



Red (72%)

Green (55%)

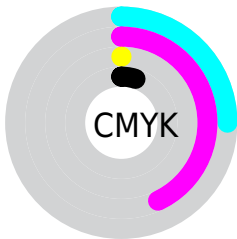
Blue (95%)



Red (72%)

Yellow (55%)

Blue (95%)

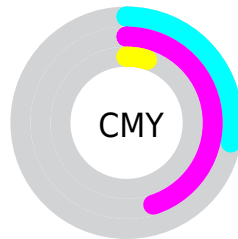


Cyan (25%)

Magenta (43%)

Yellow (0%)

Black (5%)



Cyan (28%)

Magenta (45%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 164.0120, 38.9411, 16.6525 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 164.0120, 38.9411, 16.6525 by changing the saturation by 10% instead.





 164.0120, 38.9411,  
16.6525

 164.0120, 38.9411,  
16.6525


255.0000, 0.0000,  
0.0000

 137.0720, 37.9255,  
15.7229


 214.4200, 20.0059,  
23.3107


 111.1320, 36.9099,  
14.7932


 235.0420, 9.8393,  
17.5032

 85.8930, 36.0418,  
13.2488

 252.0650, 1.4470,  
2.5740

 60.6540, 35.1736,  
11.7044

 36.2300, 34.8896,  
9.4453

 14.4310, 33.3115,  
2.2530

 6.6120, 25.3343,

-5.7987

■ 5.1640, 14.7091,  
-4.5288

■ 1.2540, 4.8048,  
-1.0998

■ 164.0120, 38.9411,  
16.6525

■ 164.0120, 38.9411,  
16.6525

■ 145.7380, 47.9502,  
20.4008

■ 182.2860, 29.9320,  
12.9042

■ 126.8770, 57.2486,  
24.6639

■ 201.1470, 20.6335,  
8.6411

■ 108.6030, 66.2577,  
28.4122

■ 219.4210, 11.6244,  
4.8928

■ 90.3290, 75.2668,  
32.1605

■ 237.6950, 2.6154,  
1.1445

■ 71.4680, 84.5653,  
36.4236

■ 253.0340, -4.9468,  
-0.0298

■ 58.4990, 90.9590,  
39.0274

■ 253.6320, -5.2416,  
1.1997

# Harmonies

## Analogous

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



147.8070, 52.8461, -56.8357



164.0120, 38.9411, 16.6525



162.5160, 17.9866, 64.4455

# Triad

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



164.0120, 38.9411, 16.6525



155.9200, -48.7676, 55.3212



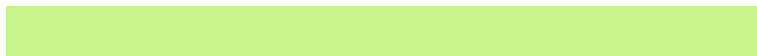
129.0180, 22.1761, -113.1488

# Complementary

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



164.0120, 38.9411, 16.6525



217.9880, -38.9411, -16.6525

# 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.



120.9870, -0.9796, -106.1056



164.0120, 38.9411, 16.6525



152.2500, -52.8742, 19.0748

# Square

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



164.0120, 38.9411, 16.6525



157.5960, -30.3668, 80.1613



145.6170, -36.2932, -25.9741



133.6580, 45.0316, -117.2181



# Rectangle

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



164.0120, 38.9411, 16.6525



159.5000, 2.2185, 81.9995



145.6170, -36.2932, -25.9741



126.3790, 14.6032, -110.8344

# Sweetspot

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



164.0120, 38.9411, 16.6525



229.9480, 12.3506, 5.3076



186.6630, 27.7741, -41.8005



112.0850, 7.8461, 3.4335



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.



164.0120, 38.9411, 16.6525



156.2650, 48.6764, 20.8156



179.2610, 31.4233, 48.0061



112.8630, 4.5045, 1.8741



44.8250, 69.5993, 29.9715



14.2010, 22.0859, 9.4707



# Inverse Universe

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



176.9360, 10.8776, 57.9381



172.4200, 13.5969, 72.4227



202.7390, -31.4233, -48.0061



114.3860, 1.2887, 6.6775



67.8120, 19.3197, 103.6509

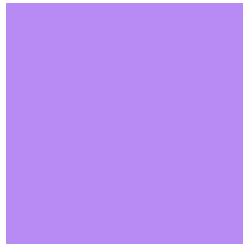


21.5170, 6.1541, 32.8726



# Previews

## White Background



This preview shows how the YUV color 164.0120, 38.9411, 16.6525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

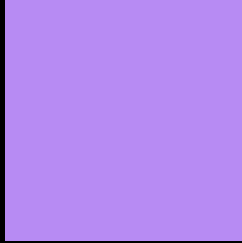
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 164.0120, 38.9411, 16.6525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

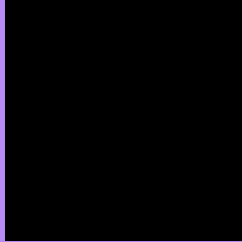
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 164.0120, 38.9411, 16.6525

## Background



This preview shows how black text looks on a background with the YUV color 164.0120, 38.9411, 16.6525.



This preview shows how white text looks on a background with the YUV color 164.0120, 38.9411,



# 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

164.0120, 38.9411, 16.6525

### Protanopia

157.7070, 47.9654, -31.3150

### Deuteranopia

157.6550, 40.1031, -29.5154



## Tritanopia

161.2550, 3.3253, 6.7924

# Trichromacy



## Original Color

164.0120, 38.9411, 16.6525



## Protanomaly

159.7200, 45.0010, -13.7864



## Deuteranomaly

159.9390, 39.4701, -13.1015



## Tritanomaly

162.3060, 16.1181, 10.2556

# Monochromacy



## Original Color

164.0120, 38.9411, 16.6525



## Achromatopsia

164.0000, 0.0000, 0.0000



## Achromatomaly

164.1160, 14.2398, 6.0373

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 164.0120, 38.9411, 16.6525 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(183, 139, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 139, 243)  
}
```

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(183, 139, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 139, 243) }
```

## Border

The CSS property to change the border of an element to YUV 164.0120, 38.9411, 16.6525 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(183, 139, 243) }
```



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

```
.border{ border-color:rgb(183, 139, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 139, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 139, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 139, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 139,  
243) }
```

# Background

The CSS property to change the background color of an element to YUV 164.0120, 38.9411, 16.6525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 139, 243) }
```

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

```
.background{ background-color: rgb(183,  
139, 243) }
```

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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