

# Converting Colors

YUV(193.7650, 30.1889,  
23.8851)

Have a look what the booklet for  
YUV(193.7650, 30.1889, 23.8851)  
contains.

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# Color

**YUV(193.7650, 30.1889,  
23.8851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDA8FF
RGB	221, 168, 255
RGB Percent	87%, 66%, 100%
CMY	0.1333, 0.3412, 0.0000
CMYK	0.13, 0.34, 0.00, 0.00
HSL	277°, 100%, 83%
HSV	277°, 34%, 100%
XYZ	61.8714, 50.5974, 101.1130
YIQ	193.7650, 3.6610, 38.2930

# Conversions

## Conversions Part 2

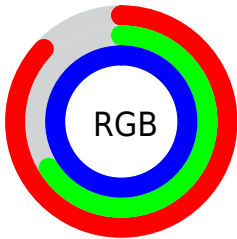
Format	Color
R <sub>Y</sub> B	221, 168, 255
Decimal	14526719
CIE Lab	76.43, 34.91, -35.75
CIE LCh	76, 49.969, 314.313
Yxy	50.5974, 0.2897, 0.2369
Android (android.graphics.Color)	4292716799 (0xFFDDA8FF)
YUV	193.7650, 30.1889, 23.8851
Hunter-Lab	71.1319, 30.7809, -34.4877

# Details

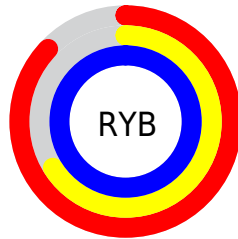
The YUV color **193.7650, 30.1889, 23.8851** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **229.2350, -30.1889, -23.8851**, and the grayscale version is **193.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.8030, 8.9711, 15.9588**, and **139.4120, 28.8839, 22.4407** is the 20% darker color. If you saturate the color by 10%, you get **176.1000, 38.8977, 30.6073**, and if you desaturate by 10%, it is **212.0170, 21.1906, 16.6481**.

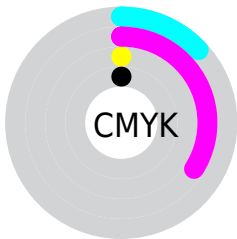
# Distribution



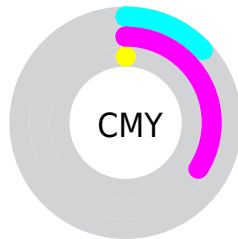
- Red (87%)
- Green (66%)
- Blue (100%)



- Red (87%)
- Yellow (66%)
- Blue (100%)



- Cyan (13%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (34%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 193.7650, 30.1889, 23.8851 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 193.7650, 30.1889, 23.8851 by changing the saturation by 10% instead.




 193.7650, 30.1889,  
23.8851


 193.7650, 30.1889,  
23.8851


255.0000, 0.0000,  
0.0000


 166.2380, 29.4627,  
23.4703


 236.8030, 8.9711,  
15.9588


 139.4120, 28.8839,  
22.4407

 253.8260, 0.5788,  
1.0296

 113.4720, 27.8683,  
21.5111

 88.3470, 27.4369,  
19.8667

 63.5210, 26.8581,  
18.8371

 39.1080, 26.5688,  
18.3223

 18.6300, 24.8324,

15.2335

■ 7.9350, 18.7660,  
0.9340

■ 3.3230, 10.1938,  
-2.9143

■ 193.7650, 30.1889,  
23.8851

■ 193.7650, 30.1889,  
23.8851

■ 176.1000, 38.8977,  
30.6073

■ 212.0170, 21.1906,  
16.6481

■ 157.8480, 47.8959,  
37.8443

■ 229.6820, 12.4818,  
9.9259

■ 139.5960, 56.8942,  
45.0813

■ 247.9340, 3.4835,  
2.6889

■ 121.9310, 65.6030,  
51.8035

■ 255.0000, 0.0000,  
0.0000

■ 103.6790, 74.6013,  
59.0405

■ 86.0140, 83.3101,  
65.7627

■ 75.4150, 88.5354,  
69.7960

# Harmonies

## Analogous

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



184.2980, 34.8561, -26.5713



193.7650, 30.1889, 23.8851



191.1530, 11.7566, 55.9938

# Triad

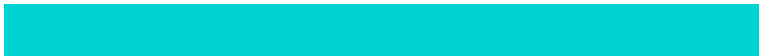
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



193.7650, 30.1889, 23.8851



186.3470, -43.0621, 45.2997



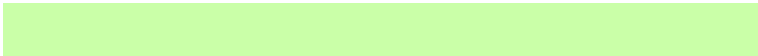
148.3840, 30.3767, -130.1328

# Complementary

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



193.7650, 30.1889, 23.8851



229.2350, -30.1889, -23.8851

# 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.



164.7500, -1.3558, -78.7108



193.7650, 30.1889, 23.8851



182.5400, -42.6642, 10.9274

# Square

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



193.7650, 30.1889, 23.8851



185.1160, -29.1442, 61.2883



176.4840, -27.8466, -28.4885



151.4110, 49.5904, -132.7874



# Rectangle

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



193.7650, 30.1889, 23.8851



185.2710, -0.6266, 61.1523



176.4840, -27.8466, -28.4885



146.5600, 23.3879, -128.5331

# Sweetspot

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



193.7650, 30.1889, 23.8851



237.3350, 8.7088, 6.7222



198.4630, 27.8727, -26.7161



116.8140, 5.5147, 4.5481



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.



193.7650, 30.1889, 23.8851



181.1060, 36.4297, 28.8480



202.9050, 21.2458, 45.6873



118.8740, 4.4991, 3.6185



56.7570, 66.1818, 52.8331



18.9570, 22.2062, 17.5777



# Inverse Universe

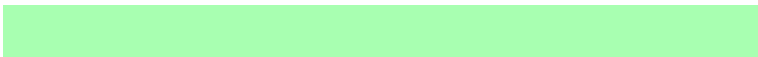
The Inverse Universe completely reimagines the original color for something new.



197.8890, 2.0267, 50.0863



186.0690, 2.4310, 60.4525



220.0950, -21.2458, -45.6873



119.4570, 0.2677, 7.4922



65.6590, 4.6051, 109.9241

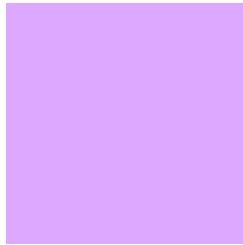


21.9860, 1.4859, 36.8463



# Previews

## White Background



This preview shows how the YUV color 193.7650, 30.1889, 23.8851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

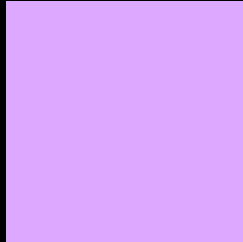
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 193.7650, 30.1889, 23.8851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

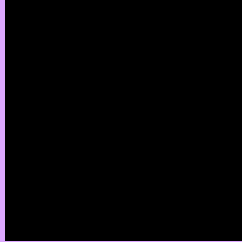
Any Text WCAG AA ✓ Pass

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 193.7650, 30.1889, 23.8851 Background



This preview shows how black text looks on a background with the YUV color 193.7650, 30.1889, 23.8851.



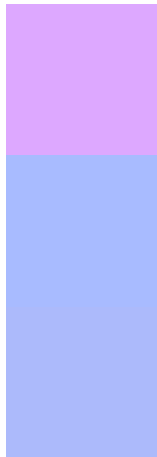
This preview shows how white text looks on a background with the YUV color 193.7650, 30.1889,

23.8851.

# 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

193.7650, 30.1889, 23.8851

### Protanopia

189.0710, 32.5030, -18.4793

### Deuteranopia

189.2240, 30.4556, -15.1054



## Tritanopia

190.8650, 1.5456, 17.6584

# Trichromacy



## Original Color

193.7650, 30.1889, 23.8851



## Protanomaly

190.6430, 31.7280, -3.1949



## Deuteranomaly

190.6110, 30.2648, -0.5358



## Tritanomaly

192.2210, 11.7230, 19.9772

# Monochromacy



## Original Color

193.7650, 30.1889, 23.8851



## Achromatopsia

194.0000, 0.0000, 0.0000



## Achromatomaly

194.2150, 10.7400, 8.5814

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 193.7650, 30.1889, 23.8851 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(221, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 168, 255)  
}
```

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(221, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 168, 255) }
```

## Border

The CSS property to change the border of an element to YUV 193.7650, 30.1889, 23.8851 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(221, 168, 255) }
```



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

```
.border{ border-color:rgb(221, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 168,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 193.7650, 30.1889, 23.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 168, 255) }
```

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

```
.background{ background-color: rgb(221,  
168, 255) }
```

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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