

Converting Colors

YUV(166.4640, 43.6482,
46.9511)

Have a look what the booklet for
YUV(166.4640, 43.6482, 46.9511)
contains.

YUV(166.4640, 43.6482, 46.9511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(166.4640, 43.6482,
46.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7AFF
RGB	220, 122, 255
RGB Percent	86%, 48%, 100%
CMY	0.1373, 0.5216, 0.0000
CMYK	0.14, 0.52, 0.00, 0.00
HSL	284°, 100%, 74%
HSV	284°, 52%, 100%
XYZ	54.5247, 36.3547, 98.7511
YIQ	166.4640, 15.7150, 62.1390

Conversions

Conversions Part 2

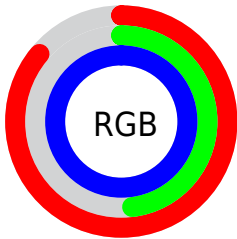
Format	Color
R _Y B	220, 122, 255
Decimal	14449407
CIE Lab	66.79, 58.60, -50.85
CIE LCh	67, 77.587, 319.049
Yxy	36.3547, 0.2875, 0.1917
Android (android.graphics.Color)	4292639487 (0xFFDC7AFF)
YUV	166.4640, 43.6482, 46.9511
Hunter-Lab	60.2949, 55.9018, -54.8989

Details

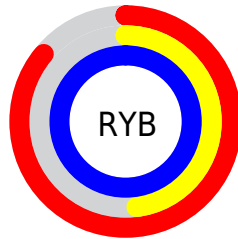
The YUV color **166.4640, 43.6482, 46.9511** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **210.5360, -43.6482, -46.9511**, and the grayscale version is **166.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **209.2140, 22.5725, 40.1543**, and **110.9260, 42.9275, 44.7919** is the 20% darker color. If you saturate the color by 10%, you get **149.6960, 51.9149, 55.5176**, and if you desaturate by 10%, it is **183.8190, 35.0922, 37.8697**.

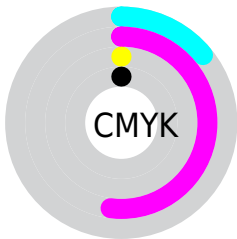
Distribution



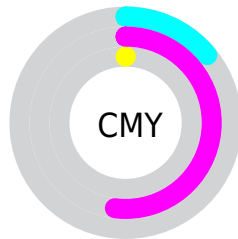
- Red (86%)
- Green (48%)
- Blue (100%)



- Red (86%)
- Yellow (48%)
- Blue (100%)



- Cyan (14%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YUV color 166.4640, 43.6482, 46.9511 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 166.4640, 43.6482, 46.9511 by changing the saturation by 10% instead.


 166.4640, 43.6482,
46.9511


 166.4640, 43.6482,
46.9511


255.0000, 0.0000,
0.0000

 138.6380, 43.0695,
45.9215


 209.2140, 22.5725,
40.1543


 110.9260, 42.9275,
44.7919


 226.2370, 14.1802,
25.2252

 82.3390, 43.2169,
45.3067

 243.2600, 5.7878,
10.2960

 47.9960, 46.8370,
50.8695

 36.9590, 39.4602,
36.8700

 25.9220, 32.0835,
22.8704

 15.1130, 25.5803,

8.6709

■ 6.1900, 18.6403,
-5.4286

■ 3.0950, 9.3202,
-2.7143

■ 166.4640, 43.6482,
46.9511

■ 166.4640, 43.6482,
46.9511

■ 149.6960, 51.9149,
55.5176

■ 183.8190, 35.0922,
37.8697

■ 132.6400, 60.3235,
65.2137

■ 200.2880, 26.9730,
28.6884

■ 115.8720, 68.5901,
73.7803

■ 217.6430, 18.4170,
19.6071

■ 98.5170, 77.1461,
82.8616

■ 234.4110, 10.1504,
11.0406

85.2820, 83.6710,
90.0837

251.7660, 1.5944,
1.9592

255.0000, 0.0000,
0.0000

Harmonies

Analogous

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



150.5530, 51.4924, -42.5810



166.4640, 43.6482, 46.9511



151.4360, 19.5051, 90.8256

Triad

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



166.4640, 43.6482, 46.9511



152.6340, -75.2486, 55.5720



137.3620, 33.8385, -120.4665

Complementary

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



166.4640, 43.6482, 46.9511



210.5360, -43.6482, -46.9511

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.



128.5670, 2.6785, -112.7533



166.4640, 43.6482, 46.9511



147.2980, -72.6179, 5.0007

Square

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



166.4640, 43.6482, 46.9511



152.5960, -47.1288, 89.8083



133.5920, -35.2949, -66.2942



140.6000, 56.3992, -123.3062

Rectangle

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



166.4640, 43.6482, 46.9511



143.7300, 0.1331, 97.5838



133.5920, -35.2949, -66.2942



134.6260, 23.3554, -118.0670

Sweetspot

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



166.4640, 43.6482, 46.9511



227.6440, 13.4865, 14.3442



157.7070, 47.9654, -31.3150



111.2320, 8.2666, 8.5665



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.



166.4640, 43.6482, 46.9511



147.9350, 52.7830, 57.0620



173.3950, 24.9483, 71.5676



119.1730, 4.3517, 4.2333



63.9330, 62.6440, 67.5878



21.3490, 21.0269, 22.4959

Inverse Universe

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



165.7570, -4.3172, 78.2661



147.0410, -4.9502, 94.6800



203.6050, -24.9483, -71.5676



119.2290, -0.6059, 7.6922



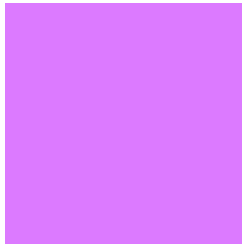
62.8090, -6.3148, 112.4235



21.0740, -2.0085, 37.6461

Previews

White Background



This preview shows how the YUV color 166.4640, 43.6482, 46.9511 looks on a white background.

Color Contrast Check

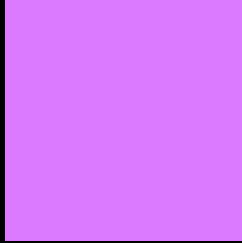
Large Text (above 18pt) WCAG AA × Fail

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 166.4640, 43.6482, 46.9511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

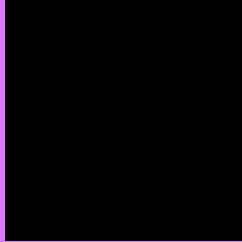
Any Text WCAG AA ✓ Pass

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 166.4640, 43.6482, 46.9511 Background



This preview shows how black text looks on a background with the YUV color 166.4640, 43.6482, 46.9511.



This preview shows how white text looks on a background with the YUV color 166.4640, 43.6482, 46.9511.

46.9511.

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

166.4640, 43.6482, 46.9511

Protanopia

160.6640, 46.5076, -30.4003

Deuteranopia

159.7300, 43.0241, -33.0892



Tritanopia

165.3080, -3.6028, 35.6869

Trichromacy



Original Color

166.4640, 43.6482, 46.9511



Protanomaly

162.6120, 45.5473, -2.2907



Deuteranomaly

162.0310, 43.3687, -3.5352



Tritanomaly

165.5100, 13.5526, 39.8947

Monochromacy



Original Color

166.4640, 43.6482, 46.9511



Achromatopsia

166.0000, 0.0000, 0.0000



Achromatomaly

166.2360, 15.6597, 17.3330

CSS Examples

Text

The CSS property to change the color of the text to YUV 166.4640, 43.6482, 46.9511 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(220, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 122, 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(220, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 122, 255) }
```

Border

The CSS property to change the border of an element to YUV 166.4640, 43.6482, 46.9511 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(220, 122, 255) }
```


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

```
.border{ border-color:rgb(220, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 122,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 166.4640, 43.6482, 46.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 122, 255) }
```

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

```
.background{ background-color: rgb(220,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor