

# Converting Colors

YUV(147.6520, 31.7236,  
45.0322)

Have a look what the booklet for  
YUV(147.6520, 31.7236, 45.0322)  
contains.

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# Color

**YUV(147.6520, 31.7236,  
45.0322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C76DD4
RGB	199, 109, 212
RGB Percent	78%, 43%, 83%
CMY	0.2196, 0.5725, 0.1686
CMYK	0.06, 0.49, 0.00, 0.17
HSL	292°, 54%, 63%
HSV	292°, 49%, 83%
XYZ	40.9055, 27.8329, 65.5037
YIQ	147.6520, 20.5770, 51.1130

# Conversions

## Conversions Part 2

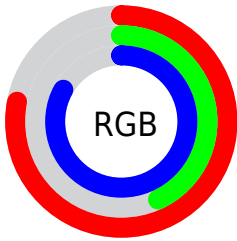
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 109, 212
Decimal	13069780
CIE <sub>Lab</sub>	59.74, 51.05, -38.25
CIE <sub>LCh</sub>	60, 63.790, 323.152
Yxy	27.8329, 0.3047, 0.2073
Android (android.graphics.Color)	4291259860 (0xFFC76DD4)
YUV	147.6520, 31.7236, 45.0322
Hunter-Lab	52.7569, 46.0770, -36.6855

# Details

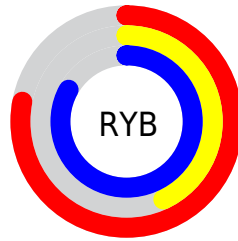
The YUV color  $147.6520, 31.7236, 45.0322$  is a light color, and the websafe version is hex  $CC66CC$ . A complement of this color would be  $173.3480, -31.7236, -45.0322$ , and the grayscale version is  $147.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $200.9960, 26.6240, 47.3615$ , and  $93.5270, 31.2922, 43.3878$  is the 20% darker color. If you saturate the color by 10%, you get  $134.4280, 38.2430, 53.9986$ , and if you desaturate by 10%, it is  $160.8760, 25.2041, 36.0657$ .

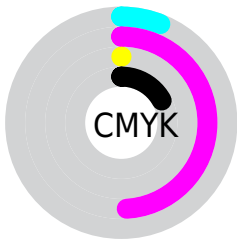
# Distribution



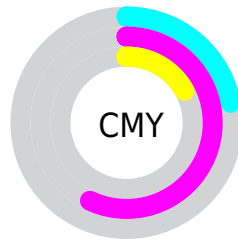
- Red (78%)
- Green (43%)
- Blue (83%)



- Red (78%)
- Yellow (43%)
- Blue (83%)



- Cyan (6%)
- Magenta (49%)
- Yellow (0%)
- Black (17%)




- Cyan (22%)
- Magenta (57%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 147.6520, 31.7236, 45.0322 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 147.6520, 31.7236, 45.0322 by changing the saturation by 10% instead.





 147.6520, 31.7236,  
45.0322


 147.6520, 31.7236,  
45.0322

255.0000, 0.0000,  
0.0000


 120.8260, 31.1448,  
44.0026


 200.9960, 26.6240,  
47.3615

 93.5270, 31.2922,  
43.3878


 217.4320, 18.5210,  
32.9471


 65.9400, 31.5816,  
43.9026

 234.4550, 10.1287,  
18.0180

 38.5810, 32.7446,  
44.2175

 251.4780, 1.7363,  
3.0888

 27.9570, 25.6572,  
30.7327

 18.7570, 18.8538,  
19.5071

 3.8760, 14.8511,

-3.3993

■ 0.9120, 3.4944,  
-0.7998

■ 0.0000, 0.0000,  
0.0000

■ 147.6520, 31.7236,  
45.0322

■ 147.6520, 31.7236,  
45.0322

■ 134.4280, 38.2430,  
53.9986

■ 160.8760, 25.2041,  
36.0657

■ 121.5030, 44.6150,  
63.5799

■ 173.8010, 18.8321,  
26.4845

■ 107.6920, 51.4238,  
73.0611

■ 187.6120, 12.0233,  
17.0033

■ 94.4680, 57.9433,  
82.0276

■ 200.8360, 5.5039,  
8.0368

81.5430, 64.3153,  
91.6088

213.7610, -0.8682,  
-1.5444

79.4830, 65.3309,  
92.5384

226.9850, -7.3876,  
-10.5108

239.0350,  
-13.3283, -18.4477

239.6330,  
-13.6231, -17.2181

240.5300,  
-14.0653, -15.3738

# Harmonies

## Analogous

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



142.2120, 52.1535, -21.2339



147.6520, 31.7236, 45.0322



141.5310, 8.6122, 84.6033

# Triad

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



147.6520, 31.7236, 45.0322



135.8630, -62.5435, 40.4621



120.9940, 32.0480, -106.1117

# Complementary

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



147.6520, 31.7236, 45.0322



173.3480, -31.7236, -45.0322

# 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.



113.9090, 7.4399, -99.8982



147.6520, 31.7236, 45.0322



131.8900, -53.6828, -1.6575

# Square

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



147.6520, 31.7236, 45.0322



139.3380, -42.5646, 72.4946



119.7250, -23.5284, -60.2718



124.0040, 53.7350, -108.7515



# Rectangle

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



147.6520, 31.7236, 45.0322



138.8190, -8.2918, 93.1207



119.7250, -23.5284, -60.2718



118.9420, 24.1856, -104.3121

# Sweetspot

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



147.6520, 31.7236, 45.0322



231.1990, 11.7339, 16.4885



128.9600, 40.9387, -17.5049



113.6020, 7.0982, 9.9960



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.



147.6520, 31.7236, 45.0322



162.4430, 45.6306, 64.5095



147.2070, 13.2089, 56.8235



100.2440, 3.3307, 5.0480



64.0450, 52.7288, 74.5055



16.2640, 13.1808, 19.0625



# Inverse Universe

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



141.2790, -9.5045, 62.0223



153.4180, -13.5171, 89.0874



173.7930, -13.2089, -56.8235



99.5170, -0.7479, 6.5626



53.6370, -15.5970, 102.9274

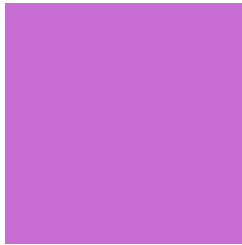


13.4270, -4.1545, 25.9355



# Previews

## White Background



This preview shows how the YUV color 147.6520, 31.7236, 45.0322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

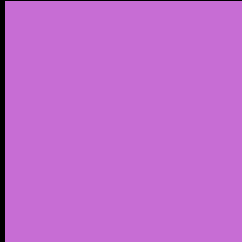
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 147.6520, 31.7236, 45.0322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

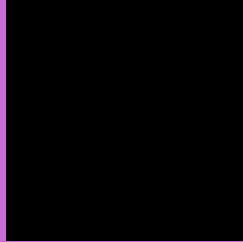
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 147.6520, 31.7236, 45.0322

## Background



This preview shows how black text looks on a background with the YUV color 147.6520, 31.7236, 45.0322.



This preview shows how white text looks on a background with the YUV color 147.6520, 31.7236, 45.0322.

45.0322.

# 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

147.6520, 31.7236, 45.0322

### Protanopia

141.2230, 48.6971, -32.6446

### Deuteranopia

143.6040, 30.7612, -19.8237



## Tritanopia

146.6780, -4.7713, 37.1164

# Trichromacy



## Original Color

147.6520, 31.7236, 45.0322



## Protanomaly

143.5040, 42.6425, -3.9500



## Deuteranomaly

145.1600, 30.9801, 3.3677



## Tritanomaly

146.8430, 8.4584, 40.4797

# Monochromacy



## Original Color

147.6520, 31.7236, 45.0322



## Achromatopsia

148.0000, 0.0000, 0.0000



## Achromatomaly

148.0850, 11.2971, 16.5885

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 147.6520, 31.7236, 45.0322 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(199, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 109, 212)  
}
```

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(199, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 109, 212) }
```

## Border

The CSS property to change the border of an element to YUV 147.6520, 31.7236, 45.0322 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(199, 109, 212) }
```



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

```
.border{ border-color:rgb(199, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 109,  
212) }
```

# Background

The CSS property to change the background color of an element to YUV 147.6520, 31.7236, 45.0322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 109, 212) }
```

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

```
.background{ background-color: rgb(199,  
109, 212) }
```

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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