

# Converting Colors

YUV(178.3400, 31.3844,  
13.7338)

Have a look what the booklet for  
YUV(178.3400, 31.3844, 13.7338)  
contains.

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# Color

**YUV(178.3400, 31.3844,  
13.7338)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C29EF2
RGB	194, 158, 242
RGB Percent	76%, 62%, 95%
CMY	0.2392, 0.3804, 0.0510
CMYK	0.20, 0.35, 0.00, 0.05
HSL	266°, 76%, 78%
HSV	266°, 35%, 95%
XYZ	50.5020, 42.3339, 89.5139
YIQ	178.3400, -5.5080, 33.7560

# Conversions

## Conversions Part 2

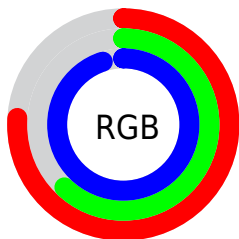
Format	Color
<a href="#">RYB</a>	<a href="#">194, 158, 242</a>
Decimal	<a href="#">12754674</a>
CIELab	<a href="#">71.10, 29.54, -37.19</a>
CIELCh	<a href="#">71, 47.491, 308.464</a>
Yxy	<a href="#">42.3339, 0.2770, 0.2322</a>
Android (android.graphics.Color)	<a href="#">4290944754 (0xFFC29EF2)</a>
YUV	<a href="#">178.3400, 31.3844, 13.7338</a>
Hunter-Lab	<a href="#">65.0645, 24.6860, -36.0244</a>

# Details

The YUV color **178.3400, 31.3844, 13.7338** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **221.6600, -31.3844, -13.7338**, and the grayscale version is **178.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **229.4490, 12.5966, 19.7772**, and **124.9870, 30.0794, 12.2894** is the 20% darker color. If you saturate the color by 10%, you get **160.0660, 40.3935, 17.4821**, and if you desaturate by 10%, it is **196.6140, 22.3753, 9.9855**.

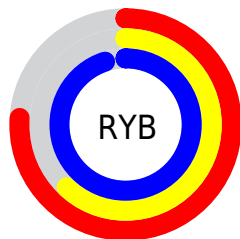
# Distribution



Red (76%)

Green (62%)

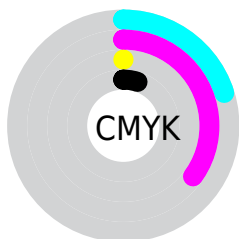
Blue (95%)



Red (76%)

Yellow (62%)

Blue (95%)

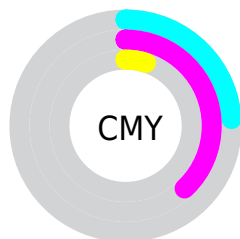


Cyan (20%)

Magenta (35%)

Yellow (0%)

Black (5%)



Cyan (24%)

Magenta (38%)

Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 178.3400, 31.3844, 13.7338 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 178.3400, 31.3844, 13.7338 by changing the saturation by 10% instead.





 178.3400, 31.3844,  
13.7338


 178.3400, 31.3844,  
13.7338


255.0000, 0.0000,  
0.0000


 151.4000, 30.3688,  
12.8042


 229.4490, 12.5966,  
19.7772


 124.9870, 30.0794,  
12.2894

 246.7820, 4.0515,  
7.2072

 99.6340, 28.7744,  
10.8450

 75.1070, 28.0482,  
10.4302

 50.8680, 27.1801,  
8.8858

 27.7430, 26.7487,  
7.2414

 11.3960, 22.9758,

4.0377

■ 5.2780, 15.1459,  
-4.6288

■ 1.2540, 4.8048,  
-1.0998

■ 178.3400, 31.3844,  
13.7338

■ 178.3400, 31.3844,  
13.7338

■ 160.0660, 40.3935,  
17.4821

■ 196.6140, 22.3753,  
9.9855

■ 141.7920, 49.4025,  
21.2304

■ 214.8880, 13.3662,  
6.2372

■ 123.2300, 58.5536,  
26.1083

■ 233.4500, 4.2152,  
1.3594

■ 104.9560, 67.5627,  
29.8566

■ 251.7240, -4.7939,  
-2.3889

■ 86.6820, 76.5718,  
33.6049

■ 253.5180, -5.6784,  
1.2997

■ 68.4080, 85.5809,  
37.3532

■ 58.6840, 90.3748,  
39.7421

# Harmonies

## Analogous

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



168.8820, 42.4562, -37.6075



178.3400, 31.3844, 13.7338



178.4020, 14.0988, 51.3904

# Triad

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



178.3400, 31.3844, 13.7338



172.6830, -39.2837, 46.7590



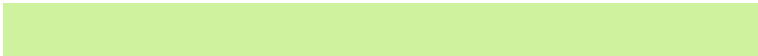
136.1420, 24.0870, -119.3965

# Complementary

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



178.3400, 31.3844, 13.7338



221.6600, -31.3844, -13.7338

# 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.



154.7690, -6.7881, -62.9414



178.3400, 31.3844, 13.7338



169.6270, -41.2281, 16.9901

# Square

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



178.3400, 31.3844, 13.7338



174.6590, -25.9609, 66.9511



164.0830, -29.6209, -19.3668



139.7560, 43.0113, -122.5660



# Rectangle

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



178.3400, 31.3844, 13.7338



177.2330, 0.3781, 65.5707



164.0830, -29.6209, -19.3668



134.4320, 17.5350, -117.8969

# Sweetspot

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



178.3400, 31.3844, 13.7338



235.8400, 9.4459, 3.6483



196.3390, 22.5109, -33.6233



115.9170, 5.9569, 2.7038



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.



178.3400, 31.3844, 13.7338



173.9520, 39.9567, 17.5821



190.5990, 25.3407, 38.9397



110.8630, 4.5045, 1.8741



44.5970, 68.7257, 30.1714



13.5600, 20.9229, 9.1559



# Inverse Universe

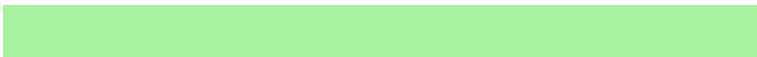
The Inverse Universe completely reimagines the original color for something new.



188.5880, 8.5841, 46.8423



186.9470, 10.8721, 59.6825



209.4010, -25.3407, -38.9397



112.3860, 1.2887, 6.6775



66.9860, 18.7409, 102.6213

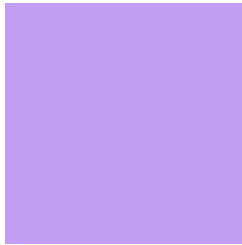


20.3920, 5.7227, 31.2282



# Previews

## White Background



This preview shows how the YUV color 178.3400, 31.3844, 13.7338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

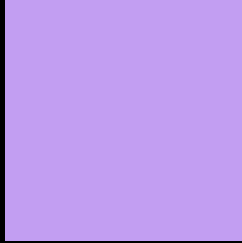
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 178.3400, 31.3844, 13.7338 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 178.3400, 31.3844, 13.7338

## Background



This preview shows how black text looks on a background with the YUV color 178.3400, 31.3844, 13.7338.



This preview shows how white text looks on a background with the YUV color 178.3400, 31.3844,



# 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

178.3400, 31.3844, 13.7338

### Protanopia

173.4710, 39.2078, -22.3381

### Deuteranopia

174.2560, 31.9188, -17.7645



## Tritanopia

175.6680, 3.6147, 7.3072

# Trichromacy



## Original Color

178.3400, 31.3844, 13.7338

## Protanomaly

175.1630, 36.4016, -8.9130

## Deuteranomaly

175.9200, 31.5914, -6.0688

## Tritanomaly

176.9100, 13.3554, 9.7259

# Monochromacy



## Original Color

178.3400, 31.3844, 13.7338

## Achromatopsia

178.0000, 0.0000, 0.0000

## Achromatomaly

178.3070, 11.1876, 4.9928

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 178.3400, 31.3844, 13.7338 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(194, 158, 242)` looks like.

```
.text, #text, p{  
    color:rgb(194, 158, 242)  
}
```

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(194, 158, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 158, 242) }
```

## Border

The CSS property to change the border of an element to YUV 178.3400, 31.3844, 13.7338 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(194, 158, 242) }
```



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

```
.border{ border-color:rgb(194, 158, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 158, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 158, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 158, 242); box-shadow:4px 4px 4px 4px rgb(194, 158, 242) }
```

# Background

The CSS property to change the background color of an element to YUV 178.3400, 31.3844, 13.7338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 158, 242) }
```

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

```
.background{ background-color: rgb(194,  
158, 242) }
```

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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