

# Converting Colors

YUV(172.6650, -76.2498,  
-43.5562)

Have a look what the booklet for  
YUV(172.6650, -76.2498, -43.5562)  
contains.

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# Color

**YUV(172.6650, -76.2498,  
-43.5562)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7BE412
RGB	123, 228, 18
RGB Percent	48%, 89%, 7%
CMY	0.5176, 0.1059, 0.9294
CMYK	0.46, 0.00, 0.92, 0.11
HSL	90°, 85%, 48%
HSV	90°, 92%, 89%
XYZ	36.0210, 59.7414, 10.2050
YIQ	172.6650, 4.8300, -87.5700

# Conversions

## Conversions Part 2

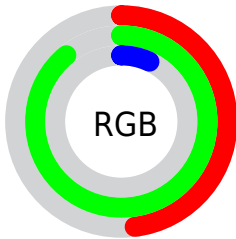
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 228, 123
Decimal	8119314
CIELab	81.70, -59.28, 77.60
CIELCh	82, 97.646, 127.376
Yxy	59.7414, 0.3399, 0.5638
Android (android.graphics.Color)	4286309394 (0xFF7BE412)
YUV	172.6650, -76.2498, -43.5562
Hunter-Lab	77.2926, -52.0750, 46.2767

# Details

The YUV color **172.6650, -76.2498, -43.5562** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **73.3350, 76.2498, 43.5562**, and the grayscale version is **173.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **215.1890, -60.7322, -27.3528**, and **118.3060, -58.3249, -52.8884** is the 20% darker color. If you saturate the color by 10%, you get **167.9220, -82.7855, -47.2896**, and if you desaturate by 10%, it is **178.5760, -67.8250, -39.0932**.

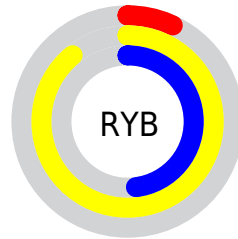
# Distribution



Red (48%)

Green (89%)

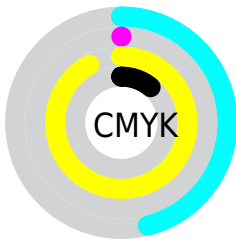
Blue (7%)



Red (7%)

Yellow (89%)

Blue (48%)

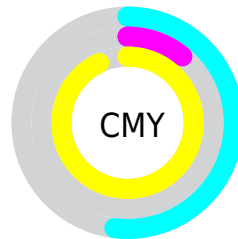


Cyan (46%)

Magenta (0%)

Yellow (92%)

Black (11%)



Cyan (52%)

Magenta (11%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 172.6650, -76.2498, -43.5562 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 172.6650, -76.2498, -43.5562 by changing the saturation by 10% instead.



■ 172.6650,  
-76.2498, -43.5562

■ 172.6650,  
-76.2498, -43.5562

■ 255.0000, 0.0000,  
0.0000

■ 144.3210,  
-71.1503, -45.8855

■ 215.1890,  
-60.7322, -27.3528

■ 118.3060,  
-58.3249, -52.8884

■ 227.5790,  
-52.0504, -11.9088

■ 84.8270, -41.8197,  
-73.5163

■ 240.1540,  
-43.9529, 4.2499

■ 69.2660, -34.1481,  
-60.7463

■ 246.4500,  
-32.7599, 7.4983

■ 54.0040, -26.6240,  
-47.3615

■ 249.8700,  
-19.6559, 4.4990

■ 39.3290, -19.3892,  
-34.4915

■ 253.2900, -6.5520,

■ 25.8280, -12.7332,

1.4997

-22.6512

■ 7.0440, -3.4727,  
-6.1776

■ 0.0000, 0.0000,  
0.0000

■ 172.6650,  
-76.2498, -43.5562

■ 172.6650,  
-76.2498, -43.5562

■ 167.9220,  
-82.7855, -47.2896

■ 178.5760,  
-67.8250, -39.0932

■ 184.7860,  
-59.5475, -34.0153

■ 190.5830,  
-51.5594, -29.4523

■ 196.7930,  
-43.2819, -24.3745

■ 202.7040,  
-34.8571, -19.9114

■ 208.6150,  
-26.4322, -15.4484

■ 214.8250,  
-18.1547, -10.3705

■ 220.6220,  
-10.1666, -5.8075

■ 226.8320, -1.8892,  
-0.7297

# Harmonies

## Analogous

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



187.5990, -92.4863, 31.0467



172.6650, -76.2498, -43.5562



154.8850, -13.2543, -135.8341

# Triad

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



172.6650, -76.2498, -43.5562



164.6670, 44.5342, -144.4130



154.1600, 14.7111, 88.4367

# Complementary

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



172.6650, -76.2498, -43.5562



73.3350, 76.2498, 43.5562

# 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.



175.1680, 39.3572, 70.0127



172.6650, -76.2498, -43.5562



150.5790, 51.4796, -132.0578

# Square

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



172.6650, -76.2498, -43.5562



171.1240, 41.3509, -150.0757



196.1680, 29.0042, 30.5477



162.3250, -32.6982, 81.2760



# Rectangle

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



172.6650, -76.2498, -43.5562



164.5290, 13.5432, -144.2919



196.1680, 29.0042, 30.5477



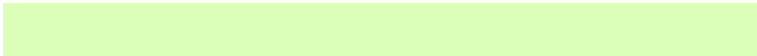
158.2810, 27.9625, 84.8226

# Sweetspot

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



172.6650, -76.2498, -43.5562



236.1420, -25.7060, -15.0335



142.4250, -61.3415, 75.0493



116.4060, -15.9762, -9.1261



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.



172.6650, -76.2498, -43.5562



187.9570, -92.6628, -52.5823



141.2700, -60.7721, -108.1078



111.8380, -4.3571, -2.4889



131.6840, -64.9202, -37.4339



37.7110, -18.5915, -10.2705



# Inverse Universe

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



73.3350, 76.2498, 43.5562



67.3420, 92.5154, 53.1971



104.7300, 60.7721, 108.1078



106.1620, 4.3571, 2.4889



47.0170, 65.0676, 36.8191

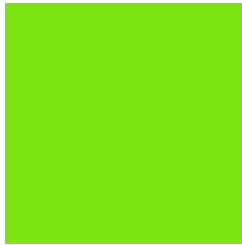


13.5880, 18.4441, 10.8853



# Previews

## White Background



This preview shows how the YUV color 172.6650, -76.2498, -43.5562 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 172.6650, -76.2498, -43.5562 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 172.6650, -76.2498, -43.5562 Background



This preview shows how black text looks on a background with the YUV color 172.6650, -76.2498, -43.5562.



This preview shows how white text looks on a background with the YUV color 172.6650, -76.2498, -43.5562.

-43.5562.

# 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

172.6650, -76.2498, -43.5562

### Protanopia

186.7460, -92.0658, 36.1798

### Deuteranopia

193.6490, -71.3120, 52.9278



## Tritanopia

195.6990, 16.4174, -39.2010

# Trichromacy



## Original Color

172.6650, -76.2498, -43.5562

## Protanomaly

181.4650, -86.0112, 7.4852

## Deuteranomaly

185.6740, -72.8033, 17.8259

## Tritanomaly

187.4530, -17.4783, -40.7393

# Monochromacy



## Original Color

172.6650, -76.2498, -43.5562

## Achromatopsia

173.0000, 0.0000, 0.0000

## Achromatomaly

172.9740, -27.5952, -15.7632

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 172.6650, -76.2498, -43.5562 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(123, 228, 18)` looks like.

```
.text, #text, p{  
    color:rgb(123, 228, 18)  
}
```

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(123, 228, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 228, 18) }
```

## Border

The CSS property to change the border of an element to YUV 172.6650, -76.2498, -43.5562 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(123, 228, 18) }
```



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

```
.border{ border-color:rgb(123, 228, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 228, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 228, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 228, 18);  
box-shadow:4px 4px 4px 4px rgb(123, 228,  
18) }
```

# Background

The CSS property to change the background color of an element to YUV 172.6650, -76.2498, -43.5562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 228, 18) }
```

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

```
.background{ background-color: rgb(123,  
228, 18) }
```

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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