

# Converting Colors

YUV(172.6370, -66.8690,  
-18.9756)

Have a look what the booklet for  
YUV(172.6370, -66.8690, -18.9756)  
contains.

<b>YUV(172.6370, -66.8690, -18.9756)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(172.6370, -66.8690,  
-18.9756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97D225
RGB	151, 210, 37
RGB Percent	59%, 82%, 15%
CMY	0.4078, 0.1765, 0.8549
CMYK	0.28, 0.00, 0.82, 0.18
HSL	80°, 70%, 48%
HSV	80°, 82%, 82%
XYZ	36.1430, 52.8061, 10.0379
YIQ	172.6370, 20.3690, -66.3110

# Conversions

## Conversions Part 2

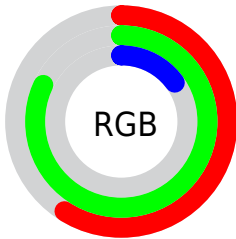
Format	Color
<a href="#">RYB</a>	<a href="#">37, 210, 96</a>
Decimal	<a href="#">9949733</a>
CIELab	<a href="#">77.76, -41.90, 71.31</a>
CIELCh	<a href="#">78, 82.704, 120.437</a>
Yxy	<a href="#">52.8061, 0.3651, 0.5335</a>
Android (android.graphics.Color)	<a href="#">4288139813 (0xFF97D225)</a>
YUV	<a href="#">172.6370, -66.8690, -18.9756</a>
Hunter-Lab	<a href="#">72.6678, -38.3875, 42.6775</a>

# Details

The YUV color  $172.6370, -66.8690, -18.9756$  is a dark color, and the websafe version is hex  $99CC00$ . The color can be described as middle washed chartreuse. A complement of this color would be  $74.3630, 66.8690, 18.9756$ , and the grayscale version is  $173.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $223.4620, -61.3598, -12.6832$ , and  $119.0910, -58.7119, -22.0048$  is the 20% darker color. If you saturate the color by 10%, you get  $168.1500, -75.0100, -21.1796$ , and if you desaturate by 10%, it is  $177.1240, -58.7281, -16.7717$ .

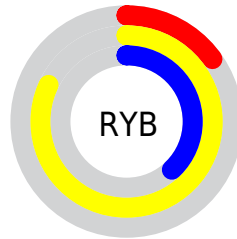
# Distribution



Red (59%)

Green (82%)

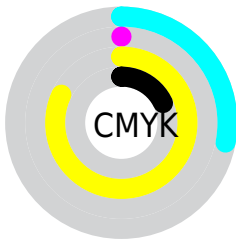
Blue (15%)



Red (15%)

Yellow (82%)

Blue (38%)

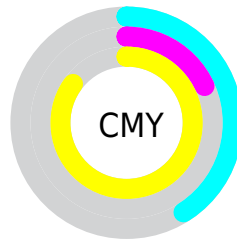


Cyan (28%)

Magenta (0%)

Yellow (82%)

Black (18%)



Cyan (41%)

Magenta (18%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 172.6370, -66.8690, -18.9756 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 172.6370, -66.8690, -18.9756 by changing the saturation by 10% instead.



■ 172.6370,  
-66.8690, -18.9756

■ 172.6370,  
-66.8690, -18.9756

255.0000, 0.0000,  
0.0000

■ 143.3120,  
-70.6528, -18.6906

■ 223.4620,  
-61.3598, -12.6832

■ 119.0910,  
-58.7119, -22.0048

■ 235.7380,  
-53.1148, 2.8608

■ 95.1580, -46.9129,  
-26.4486

■ 243.7140,  
-43.2430, 9.8978

■ 70.3280, -34.6717,  
-32.7367

■ 247.0200,  
-30.5759, 6.9985

■ 46.3730, -22.8619,  
-40.6691

■ 250.3260,  
-17.9087, 4.0991

■ 32.2850, -15.9165,  
-28.3139

■ 253.7460, -4.8048,

■ 19.9580, -9.8393,

1.0998

-17.5032

■ 0.0000, 0.0000,  
0.0000

■ 172.6370,  
-66.8690, -18.9756

■ 172.6370,  
-66.8690, -18.9756

■ 168.1500,  
-75.0100, -21.1796

■ 177.1240,  
-58.7281, -16.7717

■ 164.5320,  
-81.1143, -23.2686

■ 181.6110,  
-50.5872, -14.5678

■ 186.0980,  
-42.4463, -12.3639

■ 190.8840,  
-34.4528, -9.5453

■ 195.3710,  
-26.3119, -7.3414

■ 199.8580,  
-18.1710, -5.1375

■ 204.3450,  
-10.0301, -2.9336

■ 208.8320, -1.8892,  
-0.7297

■ 213.3190, 6.2517,  
1.4742

# Harmonies

## Analogous

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



179.1150, -88.3037, 42.8721



172.6370, -66.8690, -18.9756



143.0820, -15.3234, -125.4829

# Triad

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



172.6370, -66.8690, -18.9756



157.6230, 48.0069, -138.2354



164.6920, 14.4488, 79.2001

# Complementary

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



172.6370, -66.8690, -18.9756



74.3630, 66.8690, 18.9756

# 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.



184.5600, 34.7269, 61.7759



172.6370, -66.8690, -18.9756



147.0570, 53.2159, -128.9690

# Square

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



172.6370, -66.8690, -18.9756



162.3190, 45.6917, -142.3538



186.2570, 33.8903, 3.2826



163.7730, -22.0731, 80.0061



# Rectangle

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



172.6370, -66.8690, -18.9756



151.3580, 6.2325, -132.7410



186.2570, 33.8903, 3.2826



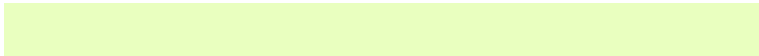
170.0040, 24.6480, 74.5415

# Sweetspot

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



172.6370, -66.8690, -18.9756



241.1260, -24.7121, -7.1265



122.7730, -42.2861, 76.4981



119.3680, -14.9714, -4.7077



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.



172.6370, -66.8690, -18.9756



200.5580, -97.3961, -27.6764



147.2220, -54.3394, -71.2317



102.5500, -4.2152, -1.3594



131.8050, -64.9799, -18.2460



32.1400, -15.8450, -4.5078



# Inverse Universe

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



74.3630, 66.8690, 18.9756



57.4420, 97.3961, 27.6764



99.7780, 54.3394, 71.2317



96.4500, 4.2152, 1.3594



36.1950, 64.9799, 18.2460



8.8600, 15.8450, 4.5078



# Previews

## White Background



This preview shows how the YUV color 172.6370, -66.8690, -18.9756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

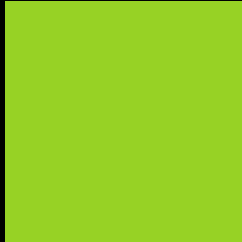
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 172.6370, -66.8690, -18.9756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

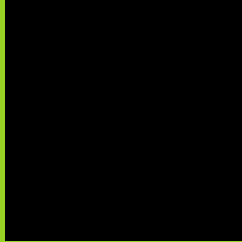
Any Text WCAG AA ✓ Pass

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 172.6370, -66.8690, -18.9756 Background



This preview shows how black text looks on a background with the YUV color 172.6370, -66.8690, -18.9756.



This preview shows how white text looks on a background with the YUV color 172.6370, -66.8690, -18.9756.

-18.9756.

# 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

172.6370, -66.8690, -18.9756

### Protanopia

180.9360, -73.4254, 30.7511

### Deuteranopia

184.6360, -64.8965, 48.5542



## Tritanopia

189.3490, 10.6739, -16.9691

# Trichromacy



## Original Color

172.6370, -66.8690, -18.9756

## Protanomaly

178.0970, -71.0398, 12.1929

## Deuteranomaly

180.2540, -65.6942, 24.3332

## Tritanomaly

183.0090, -17.2594, -17.5479

# Monochromacy



## Original Color

172.6370, -66.8690, -18.9756

## Achromatopsia

173.0000, 0.0000, 0.0000

## Achromatomaly

172.6530, -23.9859, -6.7117

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 172.6370, -66.8690, -18.9756 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(151, 210, 37)` looks like.

```
.text, #text, p{  
    color:rgb(151, 210, 37)  
}
```

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(151, 210, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 210, 37) }
```

## Border

The CSS property to change the border of an element to YUV 172.6370, -66.8690, -18.9756 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(151, 210, 37) }
```



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

```
.border{ border-color:rgb(151, 210, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 210, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 210, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 210, 37);  
box-shadow:4px 4px 4px 4px rgb(151, 210,  
37) }
```

# Background

The CSS property to change the background color of an element to YUV 172.6370, -66.8690, -18.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 210, 37) }
```

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

```
.background{ background-color: rgb(151,  
210, 37) }
```

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