

# Converting Colors

YUV(128.2230, -49.4099,  
-112.4516)

Have a look what the booklet for  
YUV(128.2230, -49.4099, -112.4516)  
contains.

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# Color

**YUV(128.2230, -49.4099,  
-112.4516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D51C
RGB	0, 213, 28
RGB Percent	0%, 84%, 11%
CMY	1.0000, 0.1647, 0.8902
CMYK	1.00, 0.00, 0.87, 0.16
HSL	128°, 100%, 42%
HSV	128°, 100%, 84%
XYZ	24.0039, 47.6723, 9.0352
YIQ	128.2230, -67.5630, -102.6910

# Conversions

## Conversions Part 2

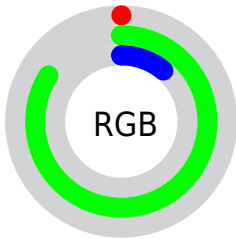
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 188, 213
Decimal	54556
CIELab	74.62, -74.55, 69.00
CIELCh	75, 101.581, 137.212
Yxy	47.6723, 0.2974, 0.5907
Android (android.graphics.Color)	4278244636 (0xFF00D51C)
YUV	128.2230, -49.4099, -112.4516
Hunter-Lab	69.0452, -58.7727, 40.5730

# Details

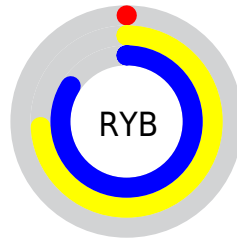
The YUV color **128.2230, -49.4099, -112.4516** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **84.7770, 49.4099, 112.4516**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **192.2800, -48.9450, -74.7906**, and **91.5720, -45.1450, -80.3086** is the 20% darker color. If you saturate the color by 10%, you get **128.2230, -49.4099, -112.4516**, and if you desaturate by 10%, it is **136.6680, -44.2063, -101.4408**.

# Distribution



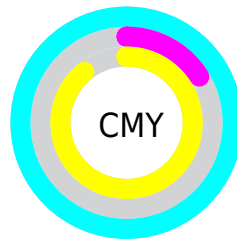
- Red (0%)
- Green (84%)
- Blue (11%)



- Red (0%)
- Yellow (74%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 128.2230, -49.4099, -112.4516 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 128.2230, -49.4099, -112.4516 by changing the saturation by 10% instead.



■ 128.2230,  
-49.4099, -112.4516

■ 128.2230,  
-49.4099, -112.4516

■ 255.0000, 0.0000,  
0.0000

■ 108.0080,  
-53.2479, -94.7230

■ 192.2800,  
-48.9450, -74.7906

■ 91.5720, -45.1450,  
-80.3086

■ 205.7520,  
-41.2897, -56.7875

■ 75.7230, -37.3314,  
-66.4091

■ 218.5120,  
-33.7764, -39.9140

■ 59.8740, -29.5179,  
-52.5095

■ 231.3860,  
-25.8263, -23.1405

■ 44.6120, -21.9937,  
-39.1247

■ 243.9610,  
-17.7288, -6.9818

■ 30.5240, -15.0483,  
-26.7695

■ 253.0620, -7.4256,

■ 14.6750, -7.2348,

1.6996

-12.8700

■ 0.0000, 0.0000,  
0.0000

■ 128.2230,  
-49.4099, -112.4516

■ 136.6680,  
-44.2063, -101.4408

■ 145.2980,  
-39.5869, -89.7153

■ 153.7430,  
-34.3833, -78.7046

■ 162.0740,  
-29.6165, -67.5939

■ 170.8180,  
-24.5603, -55.9684

■ 179.1490,  
-19.7935, -44.8577

■ 187.5940,  
-14.5898, -33.8469

■ 195.9250, -9.8230,  
-22.7362

■ 204.6690, -4.7668,  
-11.1107

# Harmonies

## Analogous

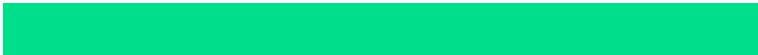
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



166.1810, -81.9272, 4.2263



128.2230, -49.4099, -112.4516



145.5730, -3.2405, -127.6675

# Triad

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



128.2230, -49.4099, -112.4516



150.5790, 51.4796, -132.0578



129.2030, 2.8579, 110.3240

# Complementary

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



128.2230, -49.4099, -112.4516



84.7770, 49.4099, 112.4516

# 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.



143.3270, 41.7438, 97.9372



128.2230, -49.4099, -112.4516



132.9690, 60.1613, -116.6138

# Square

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



128.2230, -49.4099, -112.4516



158.2100, 47.7175, -138.7502



179.5540, 37.1949, 63.5351



150.1850, -53.8282, 91.9228



# Rectangle

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



128.2230, -49.4099, -112.4516



154.8580, 24.7200, -135.8105



179.5540, 37.1949, 63.5351



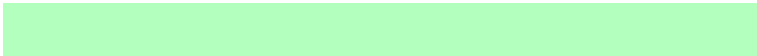
126.7530, 18.8558, 112.4726

# Sweetspot

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



128.2230, -49.4099, -112.4516



224.7520, -17.6257, -40.1245



181.2430, -89.3528, 5.9259



109.6860, -10.6912, -24.2806



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.



128.2230, -49.4099, -112.4516



153.5610, -58.9436, -134.6730



139.9650, -4.4197, -122.7493



102.6850, -2.3097, -5.8627



102.8850, -39.8763, -90.2301



25.9250, -9.8230, -22.7362



# Inverse Universe

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



84.7770, 49.4099, 112.4516



101.4390, 58.9436, 134.6730



73.0350, 4.4197, 122.7493



100.4290, 2.7465, 5.7628



68.0010, 39.4395, 90.3301

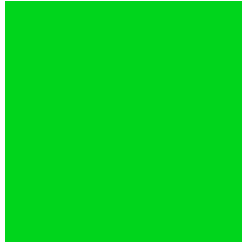


17.1890, 10.2598, 22.6362



# Previews

## White Background



This preview shows how the YUV color 128.2230, -49.4099, -112.4516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

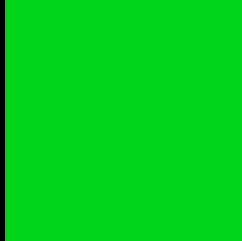
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 128.2230, -49.4099, -112.4516 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 128.2230, -49.4099, -112.4516 Background



This preview shows how black text looks on a background with the YUV color 128.2230, -49.4099, -112.4516.



This preview shows how white text looks on a background with the YUV color 128.2230, -49.4099, -112.4516.



# 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



### Protanopia

170.1810, -75.0252, 30.5363

### Deuteranopia

175.7650, -60.5231, 45.8101

### Tritanopia

167.2330, 23.0561, -68.6103

# Trichromacy



## Protanomaly

154.6690, -65.4058, -21.6347

## Deuteranomaly

158.7270, -56.5604, -12.0386

## Tritanomaly

152.8480, -3.3761, -84.0587

# Monochromacy



## Achromatopsia

128.0000, 0.0000, 0.0000

## Achromatomaly

128.0400, -17.7677, -41.2541

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 128.2230, -49.4099, -112.4516 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(0, 213, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 28)  
}
```

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(0, 213, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 28) }
```

## Border

The CSS property to change the border of an element to YUV 128.2230, -49.4099, -112.4516 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(0, 213, 28) }
```

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

```
.border{ border-color:rgb(0, 213, 28) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 213, 28)  
}
```



# Background

The CSS property to change the background color of an element to YUV 128.2230, -49.4099, -112.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 28) }
```

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

```
.background{ background-color: rgb(0, 213,  
28) }
```

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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