

# Converting Colors

YUV(120.6310, -44.6811,  
-89.1304)

Have a look what the booklet for  
YUV(120.6310, -44.6811, -89.1304)  
contains.

<b>YUV(120.6310, -44.6811, -89.1304)</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(120.6310, -44.6811,  
-89.1304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13BE1E
RGB	19, 190, 30
RGB Percent	7%, 75%, 12%
CMY	0.9255, 0.2549, 0.8824
CMYK	0.90, 0.00, 0.84, 0.25
HSL	124°, 82%, 41%
HSV	124°, 90%, 75%
XYZ	18.9164, 37.0591, 7.3844
YIQ	120.6310, -50.5560, -86.0120

# Conversions

## Conversions Part 2

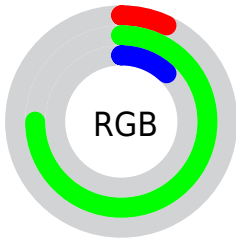
Format	Color
<a href="#">RYB</a>	<a href="#">19, 180, 190</a>
Decimal	<a href="#">1293854</a>
CIELab	<a href="#">67.32, -67.22, 62.10</a>
CIELCh	<a href="#">67, 91.512, 137.269</a>
Yxy	<a href="#">37.0591, 0.2986, 0.5849</a>
Android (android.graphics.Color)	<a href="#">4279483934 (0xFF13BE1E)</a>
YUV	<a href="#">120.6310, -44.6811, -89.1304</a>
Hunter-Lab	<a href="#">60.8762, -51.0671, 35.4213</a>

# Details

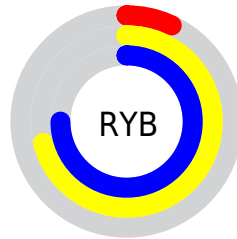
The YUV color **120.6310, -44.6811, -89.1304** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **88.3690, 44.6811, 89.1304**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **187.3450, -47.4981, -72.2166**, and **79.2450, -39.0678, -69.4979** is the 20% darker color. If you saturate the color by 10%, you get **112.8980, -49.7427, -99.0115**, and if you desaturate by 10%, it is **128.3640, -39.6195, -79.2492**.

# Distribution



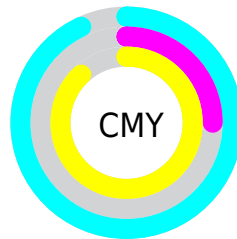
- Red (7%)
- Green (75%)
- Blue (12%)



- Red (7%)
- Yellow (71%)
- Blue (75%)



- Cyan (90%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)




- Cyan (93%)
- Magenta (25%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 120.6310, -44.6811, -89.1304 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 120.6310, -44.6811, -89.1304 by changing the saturation by 10% instead.





 120.6310,  
-44.6811, -89.1304


 120.6310,  
-44.6811, -89.1304


255.0000, 0.0000,  
0.0000


 95.0940, -46.8813,  
-83.3974


 187.3450,  
-47.4981, -72.2166


 79.2450, -39.0678,  
-69.4979


 203.8010,  
-42.2999, -59.4615


 63.3960, -31.2542,  
-55.5983


 216.2620,  
-34.6392, -43.2028

 48.1340, -23.7301,  
-42.2135

 228.7230,  
-26.9784, -26.9441

 34.0460, -16.7847,  
-29.8583

 241.2980,  
-18.8809, -10.7853

 19.3710, -9.5499,  
-16.9884

 252.3780,

 0.0000, 0.0000,

-10.0464, 2.2995

0.0000

■ 120.6310,  
-44.6811, -89.1304

■ 120.6310,  
-44.6811, -89.1304

■ 112.8980,  
-49.7427, -99.0115

■ 128.3640,  
-39.6195, -79.2492

■ 136.0970,  
-34.5578, -69.3681

■ 143.7160,  
-29.9330, -59.3869

■ 151.4490,  
-24.8714, -49.5058

■ 159.1820,  
-19.8097, -39.6246

■ 166.9150,  
-14.7481, -29.7435

■ 174.5340,  
-10.1233, -19.7623

■ 182.2670, -5.0616,  
-9.8812

■ 190.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



148.4720, -73.1967, 3.9711



120.6310, -44.6811, -89.1304



129.8890, -2.4103, -113.9127

# Triad

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



120.6310, -44.6811, -89.1304



137.0780, 58.1355, -120.2174



126.4330, -2.6785, 112.7533

# Complementary

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



120.6310, -44.6811, -89.1304



88.3690, 44.6811, 89.1304

# 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.



138.7160, 31.6920, 101.9811



120.6310, -44.6811, -89.1304



131.0850, 61.0901, -87.7745

# Square

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



120.6310, -44.6811, -89.1304



144.1220, 54.6629, -126.3950



164.1380, 44.7950, 52.4990



143.5000, -51.5185, 97.7855



# Rectangle

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



120.6310, -44.6811, -89.1304



137.6750, 22.3452, -120.7410



164.1380, 44.7950, 52.4990



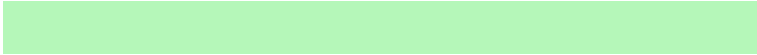
124.8150, 11.4302, 114.1722

# Sweetspot

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



120.6310, -44.6811, -89.1304



220.1980, -17.3526, -34.3766



167.8150, -73.3658, 11.5632



108.8220, -10.2652, -20.8919



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



120.6310, -44.6811, -89.1304



146.8130, -64.4908, -128.7550



130.0930, -8.4268, -97.4286



90.3970, -2.1677, -4.7332



93.8860, -41.3558, -82.3380



18.4250, -8.0975, -16.1587



# Inverse Universe

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



88.3690, 44.6811, 89.1304



100.1870, 64.4908, 128.7550



78.9070, 8.4268, 97.4286



88.7170, 2.6045, 4.6332



64.1140, 41.3558, 82.3380

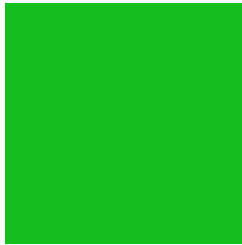


12.5750, 8.0975, 16.1587



# Previews

## White Background



This preview shows how the YUV color 120.6310, -44.6811, -89.1304 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 120.6310, -44.6811, -89.1304 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 120.6310, -44.6811, -89.1304 Background



This preview shows how black text looks on a background with the YUV color 120.6310, -44.6811, -89.1304.



This preview shows how white text looks on a background with the YUV color 120.6310, -44.6811, -89.1304.

-89.1304.

# 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

120.6310, -44.6811, -89.1304

### Protanopia

152.9060, -64.5367, 26.3924

### Deuteranopia

157.0940, -52.7973, 41.1366



## Tritanopia

149.8920, 20.2662, -60.4183

# Trichromacy



## Original Color

120.6310, -44.6811, -89.1304



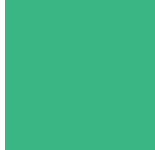
## Protanomaly

141.1780, -57.2758, -15.9421



## Deuteranomaly

143.8940, -49.7407, -6.0460



## Tritanomaly

139.2240, -3.5614, -71.2334

# Monochromacy



## Original Color

120.6310, -44.6811, -89.1304



## Achromatopsia

121.0000, 0.0000, 0.0000



## Achromatomaly

120.8500, -16.1950, -32.3174

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.6310, -44.6811, -89.1304 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(19, 190, 30)` looks like.

```
.text, #text, p{  
    color:rgb(19, 190, 30)  
}
```

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(19, 190, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 190, 30) }
```

## Border

The CSS property to change the border of an element to YUV 120.6310, -44.6811, -89.1304 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(19, 190, 30) }
```



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

```
.border{ border-color:rgb(19, 190, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 190, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 190, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 190, 30);  
box-shadow:4px 4px 4px 4px rgb(19, 190,  
30) }
```

# Background

The CSS property to change the background color of an element to YUV 120.6310, -44.6811, -89.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 190, 30) }
```

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

```
.background{ background-color: rgb(19, 190,  
30) }
```

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