

# Converting Colors

YUV(127.0710, -38.4890,  
-68.4683)

Have a look what the booklet for  
YUV(127.0710, -38.4890, -68.4683)  
contains.

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# Color

**YUV(127.0710, -38.4890,  
-68.4683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31B631
RGB	49, 182, 49
RGB Percent	19%, 71%, 19%
CMY	0.8078, 0.2863, 0.8078
CMYK	0.73, 0.00, 0.73, 0.29
HSL	120°, 58%, 45%
HSV	120°, 73%, 71%
XYZ	18.5489, 34.3306, 8.5546
YIQ	127.0710, -36.5750, -69.5590

# Conversions

## Conversions Part 2

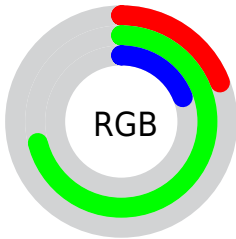
Format	Color
<a href="#">RYB</a>	49, 182, 182
Decimal	3257905
CIELab	65.22, -60.08, 54.38
CIELCh	65, 81.039, 137.851
Yxy	34.3306, 0.3019, 0.5588
Android (android.graphics.Color)	4281447985 (0xFF31B631)
YUV	127.0710, -38.4890, -68.4683
Hunter-Lab	58.5923, -46.0277, 32.3582

# Details

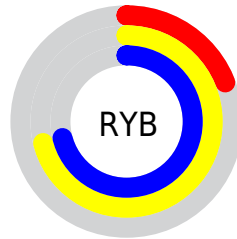
The YUV color **127.0710, -38.4890, -68.4683** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **103.9290, 38.4890, 68.4683**, and the grayscale version is **127.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.7190, -41.2735, -62.0206**, and **75.1360, -37.0420, -65.8943** is the 20% darker color. If you saturate the color by 10%, you get **119.6370, -43.6980, -77.7346**, and if you desaturate by 10%, it is **134.5050, -33.2800, -59.2019**.

# Distribution



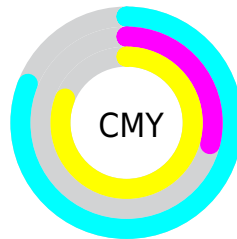
- Red (19%)
- Green (71%)
- Blue (19%)



- Red (19%)
- Yellow (71%)
- Blue (71%)



- Cyan (73%)
- Magenta (0%)
- Yellow (73%)
- Black (29%)



- Cyan (81%)
- Magenta (29%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 127.0710, -38.4890, -68.4683 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 127.0710, -38.4890, -68.4683 by changing the saturation by 10% instead.



■ 127.0710,  
-38.4890, -68.4683

■ 127.0710,  
-38.4890, -68.4683

■ 255.0000, 0.0000,  
0.0000

■ 92.2220, -37.5774,  
-80.8787

■ 186.7190,  
-41.2735, -62.0206

■ 75.1360, -37.0420,  
-65.8943

■ 208.1590,  
-38.5324, -54.5134

■ 59.2870, -29.2285,  
-51.9947

■ 220.3210,  
-30.7243, -38.8695

■ 44.6120, -21.9937,  
-39.1247

■ 232.1840,  
-22.7687, -23.8404

■ 31.1110, -15.3377,  
-27.2843

■ 244.6450,  
-15.1080, -7.5817

■ 15.8490, -7.8136,  
-13.8996

■ 253.6320, -5.2416,

■ 0.0000, 0.0000,

1.1997

0.0000

■ 127.0710,  
-38.4890, -68.4683

■ 127.0710,  
-38.4890, -68.4683

■ 119.6370,  
-43.6980, -77.7346

■ 134.5050,  
-33.2800, -59.2019

■ 112.2030,  
-48.9071, -87.0010

■ 141.9390,  
-28.0709, -49.9355

■ 106.8340,  
-52.6692, -93.6934

■ 149.7860,  
-22.5725, -40.1543

■ 157.2200,  
-17.3635, -30.8879

■ 164.6540,  
-12.1544, -21.6216

■ 172.0880, -6.9454,  
-12.3552

■ 179.5220, -1.7363,  
-3.0888

■ 187.3690, 3.7621,  
6.6924

■ 194.8030, 8.9711,  
15.9588

# Harmonies

## Analogous

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



143.4660, -70.7287, 5.7303



127.0710, -38.4890, -68.4683



125.1930, -0.0951, -109.7943

# Triad

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



127.0710, -38.4890, -68.4683



131.7950, 60.7401, -115.5842



136.1840, -8.4717, 104.2016

# Complementary

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



127.0710, -38.4890, -68.4683



103.9290, 38.4890, 68.4683

# 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.



145.5660, 22.3990, 95.9736



127.0710, -38.4890, -68.4683



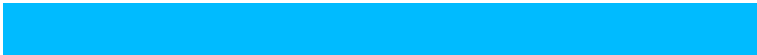
141.6160, 55.8983, -55.7912

# Square

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



127.0710, -38.4890, -68.4683



138.8390, 57.2674, -121.7618



161.7350, 45.9796, 45.8364



147.1020, -47.8713, 94.6265



# Rectangle

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



127.0710, -38.4890, -68.4683



132.1810, 21.6028, -115.9227



161.7350, 45.9796, 45.8364



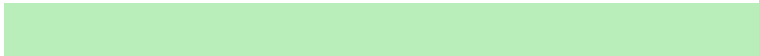
135.8710, 3.0216, 104.4761

# Sweetspot

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



127.0710, -38.4890, -68.4683



215.5240, -15.0483, -26.7695



166.8380, -58.0941, 13.2971



107.1970, -8.9711, -15.9588



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

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



127.0710, -38.4890, -68.4683



150.6830, -60.4827, -107.5930



134.7090, -9.2235, -75.1668



88.2830, -2.6045, -4.6332



91.5720, -45.1450, -80.3086



16.4360, -8.1029, -14.4144



# Inverse Universe

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



103.9290, 38.4890, 68.4683



114.3170, 60.4827, 107.5930



96.4050, 9.6603, 75.0668



86.7170, 2.6045, 4.6332



64.4280, 45.1450, 80.3086



11.5640, 8.1029, 14.4144



# Previews

## White Background



This preview shows how the YUV color 127.0710, -38.4890, -68.4683 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 127.0710, -38.4890, -68.4683 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 127.0710, -38.4890, -68.4683 Background



This preview shows how black text looks on a background with the YUV color 127.0710, -38.4890, -68.4683.



This preview shows how white text looks on a background with the YUV color 127.0710, -38.4890, -68.4683.

-68.4683.

# 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

127.0710, -38.4890, -68.4683

### Protanopia

149.6850, -52.5957, 23.0783

### Deuteranopia

152.8360, -44.7821, 36.9778



## Tritanopia

146.7790, 18.3500, -52.4262

# Trichromacy



## Original Color

127.0710, -38.4890, -68.4683



## Protanomaly

141.4420, -47.5459, -10.0346



## Deuteranomaly

143.4630, -42.6263, -1.2831



## Tritanomaly

139.3550, -2.1470, -58.1933

# Monochromacy



## Original Color

127.0710, -38.4890, -68.4683



## Achromatopsia

127.0000, 0.0000, 0.0000



## Achromatomaly

127.1760, -13.8908, -24.7104

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 127.0710, -38.4890, -68.4683 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(49, 182, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 182, 49)  
}
```

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(49, 182, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 182, 49) }
```

## Border

The CSS property to change the border of an element to YUV 127.0710, -38.4890, -68.4683 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(49, 182, 49) }
```



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

```
.border{ border-color:rgb(49, 182, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 182, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 182, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 182, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 182,  
49) }
```

# Background

The CSS property to change the background color of an element to YUV 127.0710, -38.4890, -68.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 182, 49) }
```

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

```
.background{ background-color: rgb(49, 182,  
49) }
```

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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