

# Converting Colors

YUV(133.2530, -20.8307,  
-38.8099)

Have a look what the booklet for  
YUV(133.2530, -20.8307, -38.8099)  
contains.

<b>YUV(133.2530, -20.8307, -38.8099)</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(133.2530, -20.8307,  
-38.8099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59A45B
RGB	89, 164, 91
RGB Percent	35%, 64%, 36%
CMY	0.6510, 0.3569, 0.6431
CMYK	0.46, 0.00, 0.45, 0.36
HSL	122°, 30%, 50%
HSV	122°, 46%, 64%
XYZ	19.2836, 29.4301, 14.5618
YIQ	133.2530, -21.2670, -38.6030

# Conversions

## Conversions Part 2

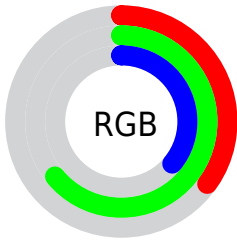
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 162, 164
Decimal	5874779
CIE <sub>Lab</sub>	61.16, -38.78, 30.76
CIE <sub>LCh</sub>	61, 49.497, 141.585
Yxy	29.4301, 0.3048, 0.4651
Android (android.graphics.Color)	4284064859 (0xFF59A45B)
YUV	133.2530, -20.8307, -38.8099
Hunter-Lab	54.2495, -31.4868, 22.0599

# Details

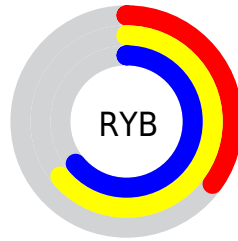
The YUV color **133.2530, -20.8307, -38.8099** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **119.7470, 20.8307, 38.8099**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **188.0850, -22.7199, -39.5395**, and **79.9260, -18.2045, -41.1541** is the 20% darker color. If you saturate the color by 10%, you get **126.6450, -25.4610, -47.0467**, and if you desaturate by 10%, it is **139.8610, -16.2005, -30.5731**.

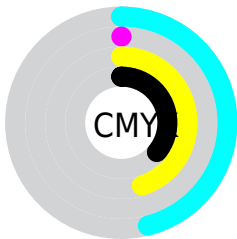
# Distribution



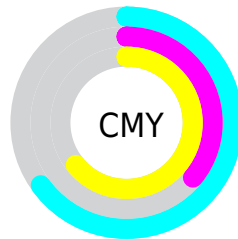
- Red (35%)
- Green (64%)
- Blue (36%)



- Red (35%)
- Yellow (64%)
- Blue (64%)



- Cyan (46%)
- Magenta (0%)
- Yellow (45%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 133.2530, -20.8307, -38.8099 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 133.2530, -20.8307, -38.8099 by changing the saturation by 10% instead.



■ 133.2530,  
-20.8307, -38.8099

■ 133.2530,  
-20.8307, -38.8099

■ 255.0000, 0.0000,  
0.0000

■ 106.5950,  
-19.5203, -39.1098

■ 188.0850,  
-22.7199, -39.5395

■ 79.9260, -18.2045,  
-41.1541

■ 215.9710,  
-23.1567, -39.4396

■ 52.7620, -16.1517,  
-46.2723

■ 231.5300,  
-17.5163, -28.5288

■ 36.3940, -17.9422,  
-31.9175

■ 243.5070, -9.1240,  
-13.5996

■ 24.0670, -11.8650,  
-21.1068

■ 254.8860, -0.4368,  
0.1000

■ 4.6960, -2.3151,  
-4.1184

■ 0.0000, 0.0000,

0.0000

■ 133.2530,  
-20.8307, -38.8099

■ 133.2530,  
-20.8307, -38.8099

■ 126.6450,  
-25.4610, -47.0467

■ 139.8610,  
-16.2005, -30.5731

■ 119.7380,  
-29.9438, -55.8982

■ 146.7680,  
-11.7176, -21.7215

■ 113.1300,  
-34.5741, -64.1350

■ 153.3760, -7.0874,  
-13.4848

■ 106.2230,  
-39.0569, -72.9866

■ 160.2830, -2.6045,  
-4.6332

■ 99.6150, -43.6872,  
-81.2234

■ 166.8910, 2.0257,  
3.6036

■ 96.7240, -45.7129,  
-84.8269

■ 173.4990, 6.6560,  
11.8404

■ 180.4060, 11.1388,  
20.6919

■ 187.0140, 15.7691,  
28.9287

■ 193.9210, 20.2519,  
37.7803

# Harmonies

## Analogous

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



140.5110, -38.7059, 1.3059



133.2530, -20.8307, -38.8099



114.3650, 9.1871, -100.2981

# Triad

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



133.2530, -20.8307, -38.8099



118.2480, 57.0657, -103.7035



147.6670, -14.6258, 71.3290

# Complementary

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



133.2530, -20.8307, -38.8099



119.7470, 20.8307, 38.8099

# 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.



150.0030, 5.9145, 63.1414



133.2530, -20.8307, -38.8099



147.7430, 40.0597, -15.5606

# Square

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



133.2530, -20.8307, -38.8099



121.3650, 46.1621, -106.4371



151.7400, 24.7782, 32.6770



146.4810, -32.7751, 59.2142



# Rectangle

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



133.2530, -20.8307, -38.8099



118.4860, 22.4384, -103.9122



151.7400, 24.7782, 32.6770



148.0890, -7.9319, 70.9589

# Sweetspot

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



133.2530, -20.8307, -38.8099



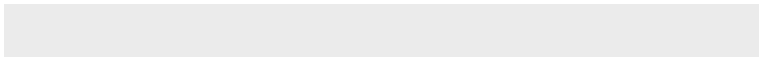
201.7240, -8.2449, -15.5439



155.1510, -32.6124, 6.8836



99.5660, -5.2090, -9.2664



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



133.2530, -20.8307, -38.8099



165.7220, -32.4009, -61.1462



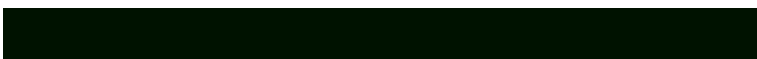
137.4710, -4.6692, -42.5091



78.3970, -2.1677, -4.7332



85.5710, -40.2145, -75.0458



10.5660, -5.2090, -9.2664



# Inverse Universe

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



119.7470, 20.8307, 38.8099



144.3920, 32.8377, 61.0462



115.5290, 4.6692, 42.5091



76.6030, 2.1677, 4.7332



59.4290, 40.2145, 75.0458



7.3200, 4.7722, 9.3664



# Previews

## White Background



This preview shows how the YUV color 133.2530, -20.8307, -38.8099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 133.2530, -20.8307, -38.8099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

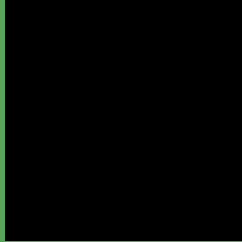
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 133.2530, -20.8307, -38.8099 Background



This preview shows how black text looks on a background with the YUV color 133.2530, -20.8307, -38.8099.



This preview shows how white text looks on a background with the YUV color 133.2530, -20.8307, -38.8099.

-38.8099.

# 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

133.2530, -20.8307, -38.8099

### Protanopia

144.1180, -29.1452, 14.8055

### Deuteranopia

145.8620, -24.0890, 26.4310



## Tritanopia

141.5320, 13.0487, -32.0386

# Trichromacy



## Original Color

133.2530, -20.8307, -38.8099

## Protanomaly

140.0940, -26.1753, -4.4674

## Deuteranomaly

141.3490, -22.8501, 2.3249

## Tritanomaly

138.3070, 0.8346, -34.4722

# Monochromacy



## Original Color

133.2530, -20.8307, -38.8099

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

132.9630, -7.3768, -13.9996

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.2530, -20.8307, -38.8099 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(89, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(89, 164, 91)  
}
```

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(89, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 164, 91) }
```

## Border

The CSS property to change the border of an element to YUV 133.2530, -20.8307, -38.8099 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(89, 164, 91) }
```



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

```
.border{ border-color:rgb(89, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(89, 164,  
91) }
```

# Background

The CSS property to change the background color of an element to YUV 133.2530, -20.8307, -38.8099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 164, 91) }
```

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

```
.background{ background-color: rgb(89, 164,  
91) }
```

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