

# Converting Colors

YUV(185.9640, -16.2513,  
-107.8394)

Have a look what the booklet for  
YUV(185.9640, -16.2513, -107.8394)  
contains.

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# Color

**YUV(185.9640, -16.2513,  
-107.8394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FFF99
RGB	63, 255, 153
RGB Percent	25%, 100%, 60%
CMY	0.7529, 0.0000, 0.4000
CMYK	0.75, 0.00, 0.40, 0.00
HSL	148°, 100%, 62%
HSV	148°, 75%, 100%
XYZ	43.5597, 74.8767, 42.2938
YIQ	185.9640, -81.6900, -72.4260

# Conversions

## Conversions Part 2

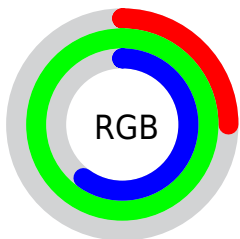
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">63, 194, 255</a>
Decimal	<a href="#">4194201</a>
CIELab	<a href="#">89.34, -68.54, 35.69</a>
CIELCh	<a href="#">89, 77.270, 152.495</a>
Yxy	<a href="#">74.8767, 0.2710, 0.4659</a>
Android (android.graphics.Color)	<a href="#">4282384281 (0xFF3FFF99)</a>
YUV	<a href="#">185.9640, -16.2513, -107.8394</a>
Hunter-Lab	<a href="#">86.5313, -61.5733, 31.5928</a>

# Details

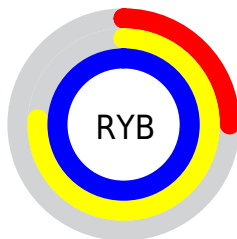
The YUV color **185.9640, -16.2513, -107.8394** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **132.0360, 16.2513, 107.8394**, and the grayscale version is **186.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.3600, -3.1355, -67.8447**, and **127.1530, -12.8934, -111.5132** is the 20% darker color. If you saturate the color by 10%, you get **176.5940, -18.5338, -122.4239**, and if you desaturate by 10%, it is **195.3340, -13.9687, -93.2549**.

# Distribution



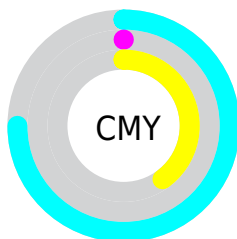
- Red (25%)
- Green (100%)
- Blue (60%)



- Red (25%)
- Yellow (76%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 185.9640, -16.2513, -107.8394 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 185.9640, -16.2513, -107.8394 by changing the saturation by 10% instead.



185.9640,  
-16.2513, -107.8394

185.9640,  
-16.2513, -107.8394

255.0000, 0.0000,  
0.0000

147.0260,  
-10.3658, -128.9418

214.3600, -3.1355,  
-67.8447

127.1530,  
-12.8934, -111.5132

227.2340, 4.8146,  
-51.0712

107.8670,  
-15.7104, -94.5994

238.8540, 7.9600,  
-33.1980

88.5810, -18.5274,  
-77.6855

248.1230, 3.3904,  
-14.1399

69.8820, -21.6338,  
-61.2865

51.6560, -25.4664,  
-45.3023

36.9810, -18.2316,

-32.4323

■ 22.3060, -10.9969,  
-19.5624

■ 0.0000, 0.0000,  
0.0000

■ 185.9640,  
-16.2513, -107.8394

■ 185.9640,  
-16.2513, -107.8394

■ 176.5940,  
-18.5338, -122.4239

■ 195.3340,  
-13.9687, -93.2549

■ 167.6370,  
-20.5270, -136.4936

■ 204.2910,  
-11.9755, -79.1852

■ 163.3650,  
-21.3789, -143.2711

■ 213.6610, -9.6929,  
-64.6007

■ 222.6180, -7.6997,  
-50.5310

■ 231.9880, -5.4171,  
-35.9465

■ 240.9450, -3.4239,  
-21.8768

■ 250.3150, -1.1413,  
-7.2923

■ 255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



207.7320, -57.5489, -21.6900



185.9640, -16.2513, -107.8394



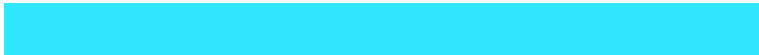
175.7910, 26.2320, -154.1687

# Triad

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



185.9640, -16.2513, -107.8394



179.3180, 37.3112, -114.2889



191.2600, -20.8342, 55.9000

# Complementary

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



185.9640, -16.2513, -107.8394



132.0360, 16.2513, 107.8394

# 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.



193.0110, 13.7986, 54.3644



185.9640, -16.2513, -107.8394



217.9090, 18.2859, 14.9888

# Square

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



185.9640, -16.2513, -107.8394



175.8200, 39.0357, -154.1941



206.2790, 24.0195, 42.7283



201.0840, -54.2714, 47.2843



# Rectangle

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



185.9640, -16.2513, -107.8394



178.7550, 37.5888, -156.7681



206.2790, 24.0195, 42.7283



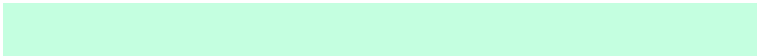
190.3600, -9.0515, 56.6893

# Sweetspot

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



185.9640, -16.2513, -107.8394



233.8250, -4.8437, -33.1725



206.2020, -70.5986, -36.1342



115.0700, -2.9925, -20.2324



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.



185.9640, -16.2513, -107.8394



172.3220, -19.3857, -129.2014



196.9080, 25.6814, -117.4373



123.3150, -1.1413, -7.2923



122.3770, -15.9619, -107.3246



40.9880, -5.4171, -35.9465



# Inverse Universe

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



132.0360, 16.2513, 107.8394



107.6780, 19.3857, 129.2014



121.0920, -25.6814, 117.4373



119.6850, 1.1413, 7.2923



68.7370, 16.3987, 107.2247



23.0120, 5.4171, 35.9465



# Previews

## White Background



This preview shows how the YUV color 185.9640, -16.2513, -107.8394 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 185.9640, -16.2513, -107.8394 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 185.9640, -16.2513, -107.8394 Background



This preview shows how black text looks on a background with the YUV color 185.9640, -16.2513, -107.8394.



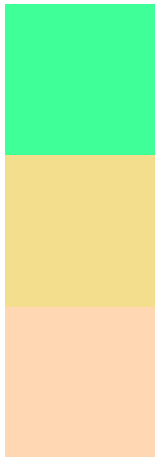
This preview shows how white text looks on a background with the YUV color 185.9640, -16.2513, -107.8394.

-107.8394.

# 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

185.9640, -16.2513, -107.8394

### Protanopia

218.6320, -38.7656, 20.4937

### Deuteranopia

222.7420, -22.0578, 28.2903



## Tritanopia

210.9240, 21.7295, -63.0773

# Trichromacy



## Original Color

185.9640, -16.2513, -107.8394



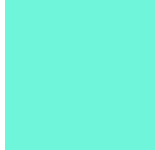
## Protanomaly

206.8110, -30.4728, -26.1442



## Deuteranomaly

209.5910, -20.0114, -21.5663



## Tritanomaly

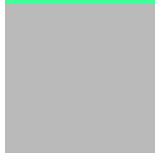
201.8560, 7.9590, -79.6807

# Monochromacy



## Original Color

185.9640, -16.2513, -107.8394



## Achromatopsia

186.0000, 0.0000, 0.0000



## Achromatomaly

185.8520, -5.8430, -39.3352

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 185.9640, -16.2513, -107.8394 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(63, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 153)  
}
```

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(63, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 153) }
```

## Border

The CSS property to change the border of an element to YUV 185.9640, -16.2513, -107.8394 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(63, 255, 153) }
```



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

```
.border{ border-color:rgb(63, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to YUV 185.9640, -16.2513, -107.8394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 153) }
```

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

```
.background{ background-color: rgb(63, 255,  
153) }
```

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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