

# Converting Colors

YUV(190.8640, -7.8210,  
-105.1207)

Have a look what the booklet for  
YUV(190.8640, -7.8210, -105.1207)  
contains.

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# Color

**YUV(190.8640, -7.8210,  
-105.1207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FFAF
RGB	71, 255, 175
RGB Percent	28%, 100%, 69%
CMY	0.7216, 0.0000, 0.3137
CMYK	0.72, 0.00, 0.31, 0.00
HSL	154°, 100%, 64%
HSV	154°, 72%, 100%
XYZ	46.0964, 75.9547, 52.7886
YIQ	190.8640, -83.9840, -63.8880

# Conversions

## Conversions Part 2

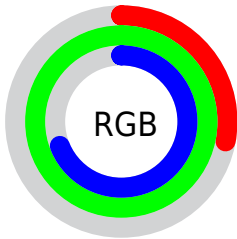
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">71, 189, 255</a>
Decimal	<a href="#">4718511</a>
CIELab	<a href="#">89.84, -63.36, 25.36</a>
CIELCh	<a href="#">90, 68.250, 158.185</a>
Yxy	<a href="#">75.9547, 0.2636, 0.4344</a>
Android (android.graphics.Color)	<a href="#">4282908591 (0xFF47FFAF)</a>
YUV	<a href="#">190.8640, -7.8210, -105.1207</a>
Hunter-Lab	<a href="#">87.1520, -58.1039, 25.0940</a>

# Details

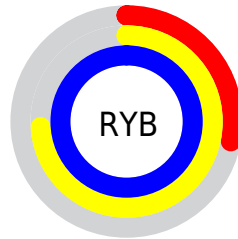
The YUV color **190.8640, -7.8210, -105.1207** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **135.1360, 7.8210, 105.1207**, and the grayscale version is **191.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **218.4770, 6.1738, -67.0703**, and **129.5470, -3.7207, -113.6127** is the 20% darker color. If you saturate the color by 10%, you get **182.1350, -8.9406, -119.3904**, and if you desaturate by 10%, it is **199.8920, -6.8488, -90.2363**.

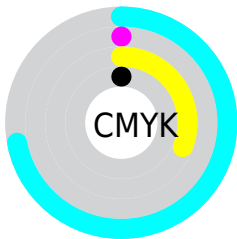
# Distribution



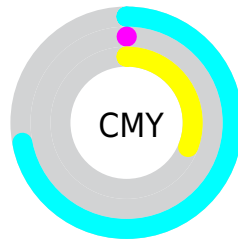
- Red (28%)
- Green (100%)
- Blue (69%)



- Red (28%)
- Yellow (74%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 190.8640, -7.8210, -105.1207 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 190.8640, -7.8210, -105.1207 by changing the saturation by 10% instead.



190.8640, -7.8210,  
-105.1207

190.8640, -7.8210,  
-105.1207

255.0000, 0.0000,  
0.0000

151.0290, -1.4933,  
-128.0674

218.4770, 6.1738,  
-67.0703

129.5470, -3.7207,  
-113.6127

230.7810, 11.9400,  
-49.7969

110.2610, -6.5377,  
-96.6989

240.0500, 7.3704,  
-30.7388

91.0890, -8.9179,  
-79.8851

249.6180, 2.6533,  
-11.0660

73.0910, -11.8769,  
-64.1008

55.3210, -13.9623,  
-48.5165

37.3230, -16.9212,

-32.7323

■ 22.8930, -11.2862,  
-20.0772

■ 0.0000, 0.0000,  
0.0000

■ 190.8640, -7.8210,  
-105.1207

■ 190.8640, -7.8210,  
-105.1207

■ 182.1350, -8.9406,  
-119.3904

■ 199.8920, -6.8488,  
-90.2363

■ 173.1070, -9.9128,  
-134.2748

■ 208.6210, -5.7292,  
-75.9666

■ 166.1010,  
-10.8958, -145.6706

■ 217.3500, -4.6095,  
-61.6969

■ 226.3780, -3.6374,  
-46.8125

 235.4060, -2.6652,  
-31.9281

 244.2490, -1.1088,  
-17.7584

 253.2770, -0.1366,  
-2.8739

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.



209.8910, -45.3023, -29.7224



190.8640, -7.8210, -105.1207



177.2730, 31.9104, -155.4684

# Triad

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



190.8640, -7.8210, -105.1207



204.1790, 25.0548, -56.2850



199.4780, -24.8857, 48.6928

# Complementary

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



190.8640, -7.8210, -105.1207



135.1360, 7.8210, 105.1207

# 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.



199.3880, 5.2317, 48.7717



190.8640, -7.8210, -105.1207



223.0030, 15.7745, 27.1844

# Square

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



190.8640, -7.8210, -105.1207



173.4720, 40.1933, -152.1349



209.2140, 22.5725, 40.1543



208.3220, -51.9237, 40.9366



# Rectangle

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



190.8640, -7.8210, -105.1207



178.7550, 37.5888, -156.7681



209.2140, 22.5725, 40.1543



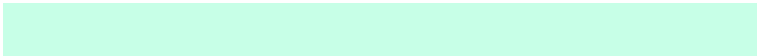
198.1220, -14.8501, 49.8820

# Sweetspot

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



190.8640, -7.8210, -105.1207



235.5200, -2.2284, -32.0280



203.8250, -65.4827, -43.6965



116.1240, -1.5401, -19.4027



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.



190.8640, -7.8210, -105.1207



177.6780, -9.2083, -126.8826



194.7010, 29.7274, -108.4858



123.4290, -0.7045, -7.3922



124.4290, -8.0995, -109.1242



41.6720, -2.7963, -36.5463



# Inverse Universe

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



135.1360, 7.8210, 105.1207



110.4360, 9.6451, 126.7826



131.2990, -29.7274, 108.4858



119.4570, 0.2677, 7.4922



66.5710, 8.0995, 109.1242

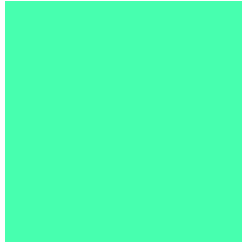


22.3280, 2.7963, 36.5463



# Previews

## White Background



This preview shows how the YUV color 190.8640, -7.8210, -105.1207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

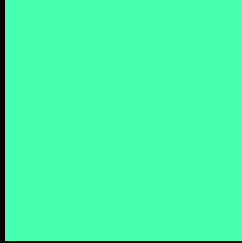
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 190.8640, -7.8210, -105.1207 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 190.8640, -7.8210, -105.1207 Background



This preview shows how black text looks on a background with the YUV color 190.8640, -7.8210, -105.1207.



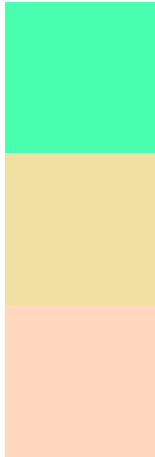
This preview shows how white text looks on a background with the YUV color 190.8640, -7.8210, -105.1207.



# 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

190.8640, -7.8210, -105.1207

### Protanopia

221.9010, -30.0242, 16.7498

### Deuteranopia

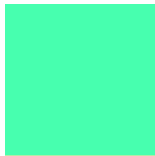
224.6970, -17.1056, 26.5757



## Tritanopia

213.0170, 20.6976, -58.7739

# Trichromacy



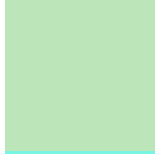
## Original Color

190.8640, -7.8210, -105.1207



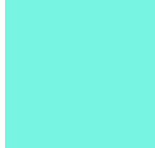
## Protanomaly

210.3900, -21.8843, -27.5290



## Deuteranomaly

212.3120, -13.4648, -21.3216



## Tritanomaly

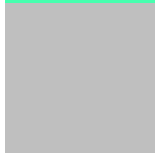
205.1600, 10.2741, -75.5623

# Monochromacy



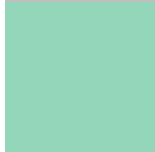
## Original Color

190.8640, -7.8210, -105.1207



## Achromatopsia

191.0000, 0.0000, 0.0000



## Achromatomaly

190.6610, -2.7909, -38.2907

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 190.8640, -7.8210, -105.1207 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(71, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 175)  
}
```

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(71, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 175) }
```

## Border

The CSS property to change the border of an element to YUV 190.8640, -7.8210, -105.1207 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(71, 255, 175) }
```



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

```
.border{ border-color:rgb(71, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(71, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
175) }
```

# Background

The CSS property to change the background color of an element to YUV 190.8640, -7.8210, -105.1207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 175) }
```

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

```
.background{ background-color: rgb(71, 255,  
175) }
```

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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