

# Converting Colors

YUV(90.7070, -39.7886,  
-71.6570)

Have a look what the booklet for  
YUV(90.7070, -39.7886, -71.6570)  
contains.

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# Color

**YUV(90.7070, -39.7886,  
-71.6570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	09940A
RGB	9, 148, 10
RGB Percent	4%, 58%, 4%
CMY	0.9647, 0.4196, 0.9608
CMYK	0.94, 0.00, 0.93, 0.42
HSL	120°, 89%, 31%
HSV	120°, 94%, 58%
XYZ	10.7573, 21.2598, 3.8237
YIQ	90.7070, -38.5460, -72.3860

# Conversions

## Conversions Part 2

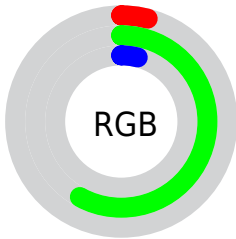
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	9, 147, 148
Decimal	627722
CIE <sub>Lab</sub>	53.23, -56.56, 53.87
CIE <sub>LCh</sub>	53, 78.110, 136.394
Yxy	21.2598, 0.3001, 0.5932
Android (android.graphics.Color)	4278817802 (0xFF09940A)
YUV	90.7070, -39.7886, -71.6570
Hunter-Lab	46.1084, -39.0445, 27.3590

# Details

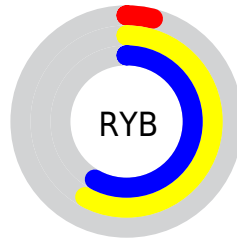
The YUV color **90.7070, -39.7886, -71.6570** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **66.2930, 39.7886, 71.6570**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.3930, -40.1267, -56.4727**, and **56.3520, -27.7815, -49.4207** is the 20% darker color. If you saturate the color by 10%, you get **86.9900, -42.3931, -76.2902**, and if you desaturate by 10%, it is **96.9020, -35.4477, -63.9351**.

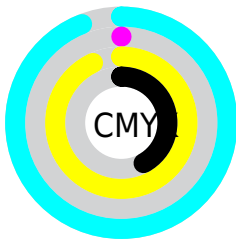
# Distribution



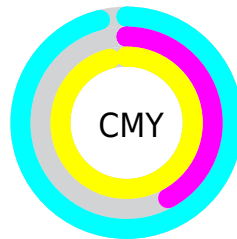
- Red (4%)
- Green (58%)
- Blue (4%)



- Red (4%)
- Yellow (58%)
- Blue (58%)



- Cyan (94%)
- Magenta (0%)
- Yellow (93%)
- Black (42%)



- Cyan (96%)
- Magenta (42%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 90.7070, -39.7886, -71.6570 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 90.7070, -39.7886, -71.6570 by changing the saturation by 10% instead.



■ 90.7070, -39.7886,  
-71.6570

■ 90.7070, -39.7886,  
-71.6570

255.0000, 0.0000,  
0.0000

■ 71.0270, -35.0163,  
-62.2907

■ 154.3930,  
-40.1267, -56.4727

■ 56.3520, -27.7815,  
-49.4207

■ 183.3500,  
-41.5846, -55.5579

■ 41.0900, -20.2574,  
-36.0359

■ 208.8990,  
-40.8692, -51.6544

■ 28.1760, -13.8908,  
-24.7104

■ 220.7620,  
-32.9137, -36.6253

■ 11.1530, -5.4984,  
-9.7812


■ 232.8100,  
-25.5423, -20.8814


■ 0.0000, 0.0000,  
0.0000


■ 245.0860,


-17.2974, -5.3374


 253.1760, -6.9888,  
1.5996

 90.7070, -39.7886,  
-71.6570


 90.7070, -39.7886,  
-71.6570


 86.9900, -42.3931,  
-76.2902

 96.9020, -35.4477,  
-63.9351

 102.9830,  
-31.5436, -56.1131

 108.8790,  
-27.0553, -49.0059

 115.0740,  
-22.7145, -41.2839

 121.1550,  
-18.8104, -33.4619

■ 127.3500,  
-14.4695, -25.7399

■ 133.5450,  
-10.1287, -18.0180

■ 139.4410, -5.6404,  
-10.9108

■ 145.5220, -1.7363,  
-3.0888

# Harmonies

## Analogous

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



115.1250, -56.7566, 4.2754



90.7070, -39.7886, -71.6570



101.0000, -3.9440, -88.5770

# Triad

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



90.7070, -39.7886, -71.6570



113.5980, 69.7112, -99.6254



106.2660, -6.0471, 119.9157

# Complementary

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



90.7070, -39.7886, -71.6570



66.2930, 39.7886, 71.6570

# 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.



114.1260, 23.1089, 101.6215



90.7070, -39.7886, -71.6570



101.2710, 75.7884, -88.8147

# Square

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



90.7070, -39.7886, -71.6570



115.9340, 53.2765, -101.6741



128.8760, 45.4171, 39.5737



115.8290, -43.7927, 93.1120



# Rectangle

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



90.7070, -39.7886, -71.6570



107.5320, 16.0067, -94.3056



128.8760, 45.4171, 39.5737



104.3660, 5.7356, 120.7050

# Sweetspot

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



90.7070, -39.7886, -71.6570



169.1110, -15.3377, -27.2843



132.1540, -60.7149, 13.8969



83.3710, -9.5499, -16.9884



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



90.7070, -39.7886, -71.6570



112.2310, -54.8369, -98.4266



98.5730, -9.6495, -78.5555



71.1090, -2.0257, -3.6036



81.1200, -39.4992, -71.1422



5.8700, -2.8939, -5.1480



# Inverse Universe

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



66.2930, 39.7886, 71.6570



78.7690, 54.8369, 98.4266



58.5410, 10.0863, 78.4555



69.8910, 2.0257, 3.6036



56.8800, 39.4992, 71.1422

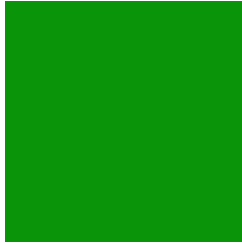


4.1300, 2.8939, 5.1480



# Previews

## White Background



This preview shows how the YUV color 90.7070, -39.7886, -71.6570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

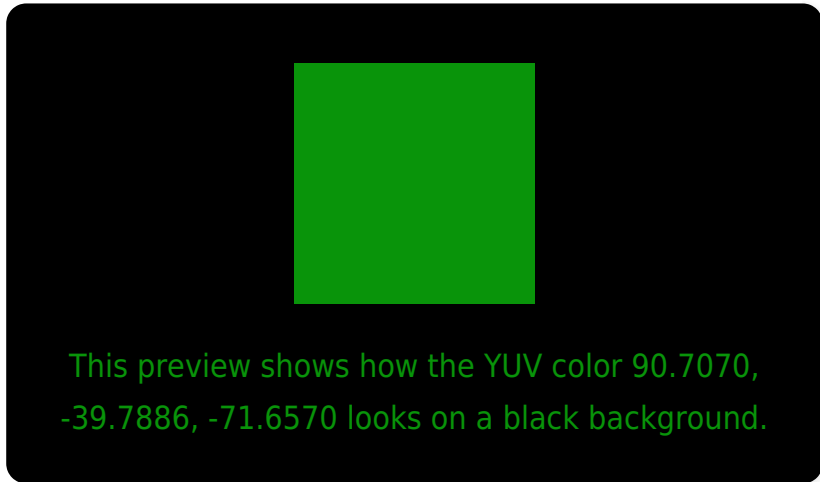
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



## 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 90.7070, -39.7886, -71.6570 Background



This preview shows how black text looks on a background with the YUV color 90.7070, -39.7886, -71.6570.



This preview shows how white text looks on a background with the YUV color 90.7070, -39.7886,

-71.6570.

# 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

90.7070, -39.7886, -71.6570

### Protanopia

117.3060, -57.8319, 22.5336

### Deuteranopia

121.7430, -43.7503, 32.6744



## Tritanopia

116.5300, 16.0077, -47.8228

# Trichromacy



## Original Color

90.7070, -39.7886, -71.6570



## Protanomaly

107.8070, -51.1769, -12.1087



## Deuteranomaly

110.2560, -42.0312, -5.4865



## Tritanomaly

107.3830, -4.6258, -56.4639

# Monochromacy



## Original Color

90.7070, -39.7886, -71.6570



## Achromatopsia

91.0000, 0.0000, 0.0000



## Achromatomaly

91.0510, -14.3221, -26.3547

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.7070, -39.7886, -71.6570 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(9, 148, 10)` looks like.

```
.text, #text, p{  
    color:rgb(9, 148, 10)  
}
```

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(9, 148, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 148, 10) }
```

## Border

The CSS property to change the border of an element to YUV 90.7070, -39.7886, -71.6570 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(9, 148, 10) }
```



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

```
.border{ border-color:rgb(9, 148, 10) }
```

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

Here you see how a box with a 4 pixel rgb(9, 148, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 148, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 148, 10);  
box-shadow:4px 4px 4px 4px rgb(9, 148, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 90.7070, -39.7886, -71.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 148, 10) }
```

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

```
.background{ background-color: rgb(9, 148,  
10) }
```

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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