

# Converting Colors

YUV(64.0090, 94.1586, 39.4571)

Have a look what the booklet for  
YUV(64.0090, 94.1586, 39.4571)  
contains.

<b>YUV(64.0090, 94.1586, 39.4571)</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> .....	30

# Color

**YUV(64.0090, 94.1586,  
39.4571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D04FF
RGB	109, 4, 255
RGB Percent	43%, 2%, 100%
CMY	0.5725, 0.9843, 0.0000
CMYK	0.57, 0.98, 0.00, 0.00
HSL	265°, 100%, 51%
HSV	265°, 98%, 100%
XYZ	24.4001, 10.5580, 95.3596
YIQ	64.0090, -17.9910, 100.3210

# Conversions

## Conversions Part 2

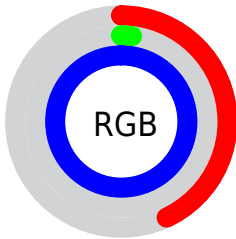
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	109, 4, 255
Decimal	7144703
CIE Lab	38.83, 81.46, -96.82
CIE LCh	39, 126.531, 310.074
Yxy	10.5580, 0.1872, 0.0810
Android (android.graphics.Color)	4285334783 (0xFF6D04FF)
YUV	64.0090, 94.1586, 39.4571
Hunter-Lab	32.4931, 77.1781, -151.2568

# Details

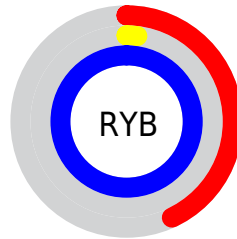
The YUV color **64.0090, 94.1586, 39.4571** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **194.9910, -94.1586, -39.4571**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **128.9420, 62.1466, 40.3929**, and **24.7360, 84.4332, -14.6775** is the 20% darker color. If you saturate the color by 10%, you get **61.0630, 95.6109, 40.2867**, and if you desaturate by 10%, it is **83.1690, 84.7127, 35.8088**.

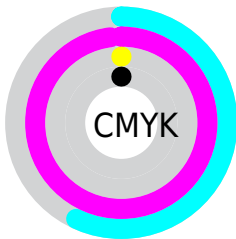
# Distribution



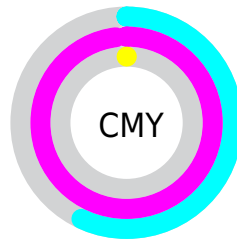
- Red (43%)
- Green (2%)
- Blue (100%)



- Red (43%)
- Yellow (2%)
- Blue (100%)



- Cyan (57%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)




- Cyan (57%)
- Magenta (98%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 64.0090, 94.1586, 39.4571 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 64.0090, 94.1586, 39.4571 by changing the saturation by 10% instead.





 64.0090, 94.1586,  
39.4571


 64.0090, 94.1586,  
39.4571


255.0000, 0.0000,  
0.0000


 46.8790, 87.8137,  
21.1541


 128.9420, 62.1466,  
40.3929


 24.7360, 84.4332,  
-14.6775


 155.5330, 49.0372,  
45.1366


 19.1520, 73.3821,  
-16.7963


 182.1240, 35.9279,  
49.8803

 16.0740, 61.5885,  
-14.0969

 203.3440, 25.4664,  
45.3023

 12.9960, 49.7950,  
-11.3975

 220.3670, 17.0741,  
30.3731

 17.0760, 34.9655,  
-14.9757

 237.9770, 8.3923,

 11.4050, 25.9293,

14.9292

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 64.0090, 94.1586,  
39.4571

■ 64.0090, 94.1586,  
39.4571

■ 61.0630, 95.6109,  
40.2867

■ 83.1690, 84.7127,  
35.8088

■ 102.9160, 74.9774,  
31.6457

■ 122.3640, 65.3895,  
26.8678

■ 141.5240, 55.9437,  
23.2195

■ 161.2710, 46.2084,  
19.0563

■ 180.4310, 36.7625,  
15.4080

■ 199.5910, 27.3166,  
11.7597

■ 219.3380, 17.5814,  
7.5966

■ 238.7860, 7.9935,  
2.8187

# Harmonies

## Analogous

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



88.3570, 82.1550, -77.4891



64.0090, 94.1586, 39.4571



86.5690, 38.1735, 123.1580

# Triad

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



64.0090, 94.1586, 39.4571



81.0330, -39.9493, 73.6391



86.5650, 19.4415, -75.9175

# Complementary

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



64.0090, 94.1586, 39.4571



194.9910, -94.1586, -39.4571

# 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.



70.4400, -34.7269, -61.7759



64.0090, 94.1586, 39.4571



82.0330, -40.4423, -1.7829

# Square

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



64.0090, 94.1586, 39.4571



66.9760, -33.0192, 137.7100



67.5050, -33.2800, -59.2019



99.7260, 62.2531, -87.4597



# Rectangle

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



64.0090, 94.1586, 39.4571



85.8080, 5.5177, 143.9964



67.5050, -33.2800, -59.2019



81.8740, 4.0061, -71.8035

# Sweetspot

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



64.0090, 94.1586, 39.4571



197.2320, 28.4796, 12.0745



118.3160, 67.3852, -100.2551



92.9250, 17.2920, 7.0818



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.



64.0090, 94.1586, 39.4571



61.0630, 95.6109, 40.2867



101.3840, 75.7327, 116.3042



117.9770, 4.9413, 1.7742



45.6940, 71.6359, 30.0864



15.3690, 23.9751, 10.2004



# Inverse Universe

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



95.6930, 26.7734, 139.7122



93.1170, 27.0573, 141.9714



157.6160, -75.7327, -116.3042



119.6850, 1.1413, 7.2923



69.7630, 20.3298, 106.3248

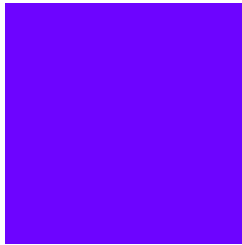


23.3540, 6.7275, 35.6465



# Previews

## White Background



This preview shows how the YUV color 64.0090, 94.1586, 39.4571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

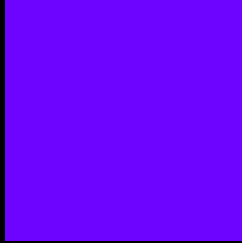
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 64.0090, 94.1586, 39.4571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

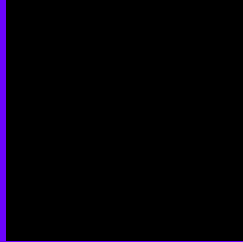
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 64.0090, 94.1586, 39.4571

## Background



This preview shows how black text looks on a background with the YUV color 64.0090, 94.1586, 39.4571.



This preview shows how white text looks on a background with the YUV color 64.0090, 94.1586,



# 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

64.0090, 94.1586, 39.4571

### Protanopia

73.5610, 55.9254, -64.5130

### Tritanopia

85.5600, 10.5699, -30.3091

# Trichromacy



## Original Color

64.0090, 94.1586, 39.4571

## Protanomaly

70.1740, 69.9202, -26.4626

## Tritanomaly

77.4500, 41.1902, -4.7796

# Monochromacy



## Original Color

64.0090, 94.1586, 39.4571

## Achromatopsia

64.0000, 0.0000, 0.0000

## Achromatomaly

63.7360, 34.1472, 14.2635

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 64.0090, 94.1586, 39.4571 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(109, 4, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 4, 255)  
}
```

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(109, 4, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 4, 255) }
```

## Border

The CSS property to change the border of an element to YUV 64.0090, 94.1586, 39.4571 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(109, 4, 255) }
```

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

```
.border{ border-color:rgb(109, 4, 255) }
```

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

Here you see how a box with a 4 pixel rgb(109, 4, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 4, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 4, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 4,  
255) }
```



# Background

The CSS property to change the background color of an element to YUV 64.0090, 94.1586, 39.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 4, 255) }
```

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

```
.background{ background-color: rgb(109, 4,  
255) }
```

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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