

# Converting Colors

YUV(46.9640, 92.2087, 11.4326)

Have a look what the booklet for  
YUV(46.9640, 92.2087, 11.4326)  
contains.

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# Color

**YUV(46.9640, 92.2087,  
11.4326)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C04EA
RGB	60, 4, 234
RGB Percent	24%, 2%, 92%
CMY	0.7647, 0.9843, 0.0824
CMYK	0.74, 0.98, 0.00, 0.08
HSL	255°, 97%, 47%
HSV	255°, 98%, 92%
XYZ	16.7582, 6.9880, 78.3075
YIQ	46.9640, -40.4540, 83.4020

# Conversions

## Conversions Part 2

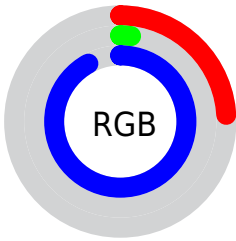
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 4, 234
Decimal	3933418
CIE <sub>Lab</sub>	31.78, 74.42, -96.81
CIE <sub>LCh</sub>	32, 122.111, 307.552
Yxy	6.9880, 0.1642, 0.0685
Android (android.graphics.Color)	4282123498 (0xFF3C04EA)
YUV	46.9640, 92.2087, 11.4326
Hunter-Lab	26.4348, 66.8979, -157.1294

# Details

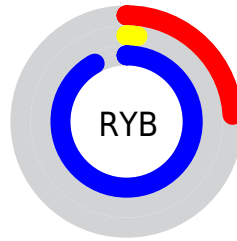
The YUV color **46.9640, 92.2087, 11.4326** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **191.0360, -92.2087, -11.4326**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.5850, 70.2106, 20.5350**, and **20.0640, 76.8764, -17.5961** is the 20% darker color. If you saturate the color by 10%, you get **43.7190, 93.8085, 11.6474**, and if you desaturate by 10%, it is **65.8470, 82.8994, 10.6582**.

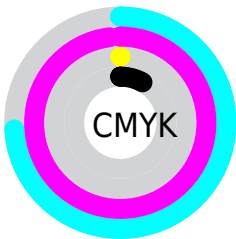
# Distribution



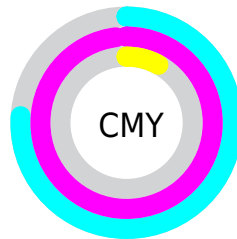
- Red (24%)
- Green (2%)
- Blue (92%)



- Red (24%)
- Yellow (2%)
- Blue (92%)



- Cyan (74%)
- Magenta (98%)
- Yellow (0%)
- Black (8%)



- Cyan (76%)
- Magenta (98%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.9640, 92.2087, 11.4326 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 46.9640, 92.2087, 11.4326 by changing the saturation by 10% instead.



■ 46.9640, 92.2087,  
11.4326

■ 46.9640, 92.2087,  
11.4326

255.0000, 0.0000,  
0.0000

■ 23.3700, 89.5436,  
-20.4955

■ 112.5850, 70.2106,  
20.5350

■ 20.0640, 76.8764,  
-17.5961

■ 138.3010, 57.5326,  
26.9230

■ 16.9860, 65.0829,  
-14.8967

■ 164.3050, 44.7126,  
32.1815

■ 13.9080, 53.2894,  
-12.1973

■ 190.3090, 31.8927,  
37.4400

■ 19.0480, 37.4443,  
-16.7051

■ 213.3230, 20.5468,  
36.5507

■ 12.7900, 28.6975,  
-11.2168


■ 230.3460, 12.1544,


■ 7.7060, 19.3719,


21.6216


-6.7582


 247.3690, 3.7621,  
6.6924


 3.5510, 11.0674,  
-3.1142


 0.0000, 0.0000,  
0.0000


 46.9640, 92.2087,  
11.4326


 46.9640, 92.2087,  
11.4326

 43.7190, 93.8085,  
11.6474

 65.8470, 82.8994,  
10.6582

 85.0180, 73.4481,  
8.7542

 103.9010, 64.1388,  
7.9798

 123.3710, 54.5401,  
6.6906

■ 142.2540, 45.2308,  
5.9162

■ 160.8380, 36.0689,  
4.5271

■ 180.3080, 26.4702,  
3.2379

■ 199.1910, 17.1608,  
2.4635

■ 218.3620, 7.7095,  
0.5595

# Harmonies

## Analogous

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



80.7260, 85.9171, -70.7967



46.9640, 92.2087, 11.4326



75.5190, 37.2121, 104.7848

# Triad

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



46.9640, 92.2087, 11.4326



60.9760, -30.0612, 75.4430



71.0460, 13.2883, -62.3073

# Complementary

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



46.9640, 92.2087, 11.4326



191.0360, -92.2087, -11.4326

# 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.



58.1130, -28.6497, -50.9651



46.9640, 92.2087, 11.4326



67.8900, -33.4698, 1.8505

# Square

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



46.9640, 92.2087, 11.4326



59.8000, -29.4814, 122.9554



55.7650, -27.4921, -48.9059



84.3380, 54.0634, -73.9644



# Rectangle

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



46.9640, 92.2087, 11.4326



75.8120, 6.0087, 126.4529



55.7650, -27.4921, -48.9059



66.5830, -1.2734, -58.3933

# Sweetspot

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



46.9640, 92.2087, 11.4326



194.8180, 29.6697, 3.6676



133.5320, 49.5307, -113.5996



91.4190, 18.0344, 2.2635



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.



46.9640, 92.2087, 11.4326



47.6080, 102.2443, 12.6218



80.7510, 75.5518, 80.9024



107.8520, 4.5100, 0.1298



33.7900, 72.5745, 8.9542



10.0430, 21.6708, 2.5933



# Inverse Universe

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



92.6060, 42.0992, 124.0025



98.2470, 46.7132, 137.4724



157.2490, -75.5518, -80.9024



110.2010, 1.8729, 5.9627



69.7370, 33.1607, 97.5777

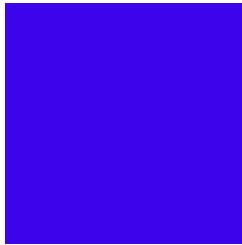


20.8200, 9.9487, 29.0989



# Previews

## White Background



This preview shows how the YUV color 46.9640, 92.2087, 11.4326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

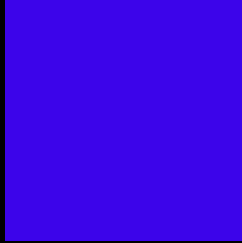
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 46.9640, 92.2087, 11.4326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

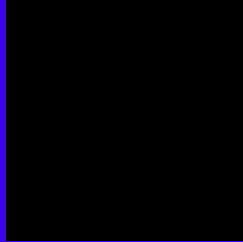
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.9640, 92.2087, 11.4326

## Background



This preview shows how black text looks on a background with the YUV color 46.9640, 92.2087, 11.4326.



This preview shows how white text looks on a background with the YUV color 46.9640, 92.2087,



# 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

46.9640, 92.2087, 11.4326

### Protanopia

60.2930, 45.7046, -52.8770

### Deuteranopia

60.6060, 34.2112, -53.1515



## Tritanopia

59.3400, 14.1294, -52.0412

# Trichromacy



## Original Color

46.9640, 92.2087, 11.4326

## Protanomaly

55.5020, 62.3635, -29.3813

## Deuteranomaly

55.6670, 55.3802, -29.5260

## Tritanomaly

54.9370, 42.4291, -28.8857

# Monochromacy



## Original Color

46.9640, 92.2087, 11.4326

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.8550, 33.5955, 4.5122

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.9640, 92.2087, 11.4326 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(60, 4, 234)` looks like.

```
.text, #text, p{  
    color:rgb(60, 4, 234)  
}
```

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(60, 4, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 4, 234) }
```

## Border

The CSS property to change the border of an element to YUV 46.9640, 92.2087, 11.4326 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(60, 4, 234) }
```



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

```
.border{ border-color:rgb(60, 4, 234) }
```

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

Here you see how a box with a 4 pixel rgb(60, 4, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 4, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 4, 234);  
box-shadow:4px 4px 4px 4px rgb(60, 4, 234)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.9640, 92.2087, 11.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 4, 234) }
```

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

```
.background{ background-color: rgb(60, 4,  
234) }
```

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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