

# Converting Colors

YUV(46.2550, 100.9393,  
11.1774)

Have a look what the booklet for  
YUV(46.2550, 100.9393, 11.1774)  
contains.

<b>YUV(46.2550, 100.9393, 11.1774)</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(46.2550, 100.9393,  
11.1774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B00FB
RGB	59, 0, 251
RGB Percent	23%, 0%, 98%
CMY	0.7686, 1.0000, 0.0157
CMYK	0.76, 1.00, 0.00, 0.02
HSL	254°, 100%, 49%
HSV	254°, 100%, 98%
XYZ	19.2162, 7.8948, 91.7778
YIQ	46.2550, -45.4070, 90.5690

# Conversions

## Conversions Part 2

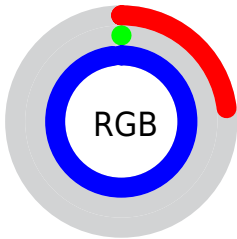
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 0, 251
Decimal	3866875
CIE Lab	33.76, 78.96, -103.13
CIE LCh	34, 129.886, 307.441
Yxy	7.8948, 0.1616, 0.0664
Android (android.graphics.Color)	4282056955 (0xFF3B00FB)
YUV	46.2550, 100.9393, 11.1774
Hunter-Lab	28.0978, 72.9061, -173.9950

# Details

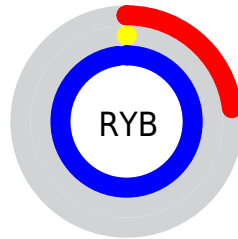
The YUV color **46.2550, 100.9393, 11.1774** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **204.7450, -100.9393, -11.1774**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.0690, 69.4790, 21.8645**, and **22.0020, 84.3020, -19.2958** is the 20% darker color. If you saturate the color by 10%, you get **46.2550, 100.9393, 11.1774**, and if you desaturate by 10%, it is **66.6110, 90.9038, 9.9882**.

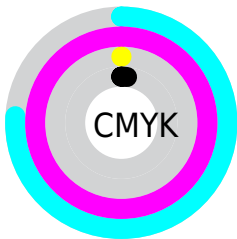
# Distribution



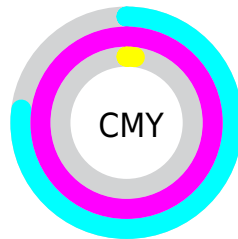
- Red (23%)
- Green (0%)
- Blue (98%)



- Red (23%)
- Yellow (0%)
- Blue (98%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (77%)
- Magenta (100%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.2550, 100.9393, 11.1774 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 46.2550, 100.9393, 11.1774 by changing the saturation by 10% instead.



■ 46.2550, 100.9393,  
11.1774

■ 46.2550, 100.9393,  
11.1774

■ 255.0000, 0.0000,  
0.0000

■ 25.1940, 96.5324,  
-22.0951

■ 114.0690, 69.4790,  
21.8645

■ 22.0020, 84.3020,  
-19.2958

■ 140.6710, 56.3642,  
28.3525

■ 18.6960, 71.6349,  
-16.3964

■ 166.3870, 43.6862,  
34.7406

■ 15.6180, 59.8413,  
-13.6970

■ 192.3910, 30.8662,  
39.9991

■ 20.1710, 44.2857,  
-17.6900

■ 214.4970, 19.9680,  
35.5211

■ 16.7340, 33.6551,  
-14.6757


■ 231.5200, 11.5756,


■ 10.3620, 24.4715,


20.5920


-9.0875


 248.5430, 3.1833,  
5.6628


 5.5060, 16.0195,  
-4.8288


 2.1830, 5.8258,  
-1.9145

 46.2550, 100.9393,  
11.1774

 66.6110, 90.9038,  
9.9882

 86.9670, 80.8683,  
8.7989

 107.6220, 70.6854,  
8.2245

 127.9780, 60.6498,  
7.0353

■ 148.9210, 50.3249,  
5.3313

■ 169.2770, 40.2894,  
4.1421

■ 189.6330, 30.2539,  
2.9529

■ 210.2880, 20.0710,  
2.3784

■ 230.6440, 10.0355,  
1.1892

# Harmonies

## Analogous

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



84.2480, 84.1807, -73.8855



46.2550, 100.9393, 11.1774



80.5460, 39.6638, 111.7772

# Triad

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



46.2550, 100.9393, 11.1774



63.6670, -31.3878, 80.9760



75.2520, 14.1728, -65.9960

# Complementary

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



46.2550, 100.9393, 11.1774



204.7450, -100.9393, -11.1774

# 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.



61.6350, -30.3861, -54.0539



46.2550, 100.9393, 11.1774



72.0210, -35.5064, 1.7356

# Square

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



46.2550, 100.9393, 11.1774



63.6870, -31.3977, 130.9475



59.2870, -29.2285, -51.9947



89.4560, 58.4422, -78.4529



# Rectangle

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



46.2550, 100.9393, 11.1774



80.9810, 6.4184, 135.0747



59.2870, -29.2285, -51.9947



70.5610, -1.2626, -61.8820

# Sweetspot

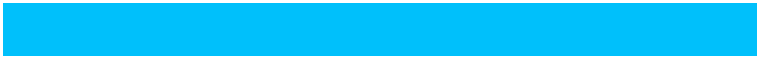
The Sweet Spot groups the original color and five complimentary colors.



46.2550, 100.9393, 11.1774



192.7470, 30.6907, 2.8529



141.3180, 54.0732, -123.9359



90.2340, 18.6186, 1.5488



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.



46.2550, 100.9393, 11.1774



47.0100, 102.5391, 11.3922



83.6300, 82.5134, 88.0245



114.3790, 5.2362, 0.5446



34.7020, 76.0689, 8.1543



11.1400, 24.5810, 2.5082



# Inverse Universe

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



96.9370, 46.8661, 135.1133



98.4750, 47.5868, 137.2724



167.3700, -82.5134, -88.0245



117.0270, 2.4517, 6.9923



72.9270, 35.0390, 101.7960

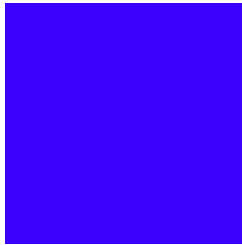


23.5970, 11.5377, 32.8024



# Previews

## White Background



This preview shows how the YUV color 46.2550, 100.9393, 11.1774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

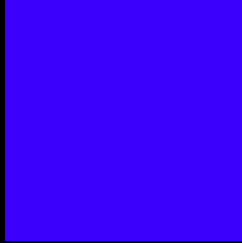
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 46.2550, 100.9393, 11.1774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

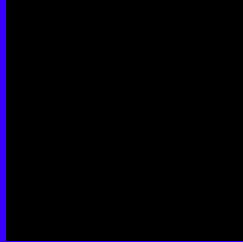
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.2550, 100.9393, 11.1774

## Background



This preview shows how black text looks on a background with the YUV color 46.2550, 100.9393, 11.1774.



This preview shows how white text looks on a background with the YUV color 46.2550, 100.9393, 11.1774.



# 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



### Protanopia

63.6670, 48.4782, -55.8360

### Deuteranopia

64.4530, 36.2587, -56.5253

### Tritanopia

62.9590, 15.3032, -55.2150

# Trichromacy



## Protanomaly

57.1580, 67.4631, -31.7106

## Deuteranomaly

57.7960, 59.7536, -32.2701

## Tritanomaly

56.9520, 46.3657, -31.5299

# Monochromacy



## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

46.0660, 36.9425, 4.3271

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.2550, 100.9393, 11.1774 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(59, 0, 251)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 251)  
}
```

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(59, 0, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 251) }
```

## Border

The CSS property to change the border of an element to YUV 46.2550, 100.9393, 11.1774 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(59, 0, 251) }
```

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

```
.border{ border-color:rgb(59, 0, 251) }
```

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

Here you see how a box with a 4 pixel rgb(59, 0, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 0, 251);  
box-shadow:4px 4px 4px 4px rgb(59, 0, 251)  
}
```



# Background

The CSS property to change the background color of an element to YUV 46.2550, 100.9393, 11.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 251) }
```

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

```
.background{ background-color: rgb(59, 0,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor