

# Converting Colors

YUV(36.9410, 93.6991, 0.0517)

Have a look what the booklet for  
YUV(36.9410, 93.6991, 0.0517)  
contains.

<b>YUV(36.9410, 93.6991, 0.0517)</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(36.9410, 93.6991,  
0.0517)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2500E3
RGB	37, 0, 227
RGB Percent	15%, 0%, 89%
CMY	0.8549, 1.0000, 0.1098
CMYK	0.84, 1.00, 0.00, 0.11
HSL	250°, 100%, 45%
HSV	250°, 100%, 89%
XYZ	14.6281, 5.9394, 73.0485
YIQ	36.9410, -50.8150, 78.4410

# Conversions

## Conversions Part 2

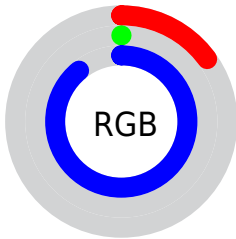
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 0, 227
Decimal	2425059
CIE Lab	29.26, 72.87, -97.05
CIE LCh	29, 121.362, 306.900
Yxy	5.9394, 0.1563, 0.0634
Android (android.graphics.Color)	4280615139 (0xFF2500E3)
YUV	36.9410, 93.6991, 0.0517
Hunter-Lab	24.3708, 64.4920, -160.6548

# Details

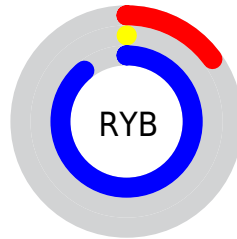
The YUV color **36.9410, 93.6991, 0.0517** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **190.0590, -93.6991, -0.0517**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.0510, 73.4319, 13.9873**, and **19.3800, 74.2557, -16.9963** is the 20% darker color. If you saturate the color by 10%, you get **36.9410, 93.6991, 0.0517**, and if you desaturate by 10%, it is **56.1230, 84.2424, -0.1079**.

# Distribution



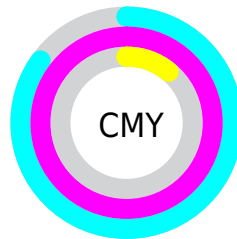
- Red (15%)
- Green (0%)
- Blue (89%)



- Red (15%)
- Yellow (0%)
- Blue (89%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)



- Cyan (85%)
- Magenta (100%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.9410, 93.6991, 0.0517 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 36.9410, 93.6991, 0.0517 by changing the saturation by 10% instead.



■ 36.9410, 93.6991,  
0.0517

■ 36.9410, 93.6991,  
0.0517

■ 255.0000, 0.0000,  
0.0000

■ 22.5720, 86.4860,  
-19.7956

■ 106.0510, 73.4319,  
13.9873

■ 19.3800, 74.2557,  
-16.9963

■ 132.0660, 60.6065,  
20.9901

■ 16.1880, 62.0253,  
-14.1969

■ 157.7820, 47.9285,  
27.3782

■ 14.2840, 49.6530,  
-12.5271

■ 183.1990, 35.3979,  
33.1515

■ 17.7770, 35.1129,  
-15.5904

■ 209.2030, 22.5779,  
38.4100

■ 11.5190, 26.3661,  
-10.1022


■ 226.8240, 13.8908,


■ 6.5490, 17.4773,


24.7104


-5.7435


 243.8470, 5.4984,  
9.7812


 2.8670, 8.4466,  
-2.5144


 0.0000, 0.0000,  
0.0000

 36.9410, 93.6991,  
0.0517

 56.1230, 84.2424,  
-0.1079

 74.7180, 75.0750,  
0.2473

 93.9000, 65.6183,  
0.0877

 113.0820, 56.1616,  
-0.0719

■ 132.2640, 46.7048,  
-0.2315

■ 150.8590, 37.5375,  
0.1237

■ 170.0410, 28.0808,  
-0.0360

■ 189.2230, 18.6241,  
-0.1956

■ 207.8180, 9.4567,  
0.1596

# Harmonies

## Analogous

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



78.3780, 87.0746, -68.7375



36.9410, 93.6991, 0.0517



71.9590, 36.5022, 99.1370

# Triad

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



36.9410, 93.6991, 0.0517



52.4260, -25.8460, 76.8024



66.0250, 11.8197, -57.9039

# Complementary

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



36.9410, 93.6991, 0.0517



190.0590, -93.6991, -0.0517

# 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.



54.0040, -26.6240, -47.3615



36.9410, 93.6991, 0.0517



62.8730, -30.9964, 1.8654

# Square

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



36.9410, 93.6991, 0.0517



57.1090, -28.1547, 117.4224



51.6560, -25.4664, -45.3023



79.2030, 52.1579, -69.4610



# Rectangle

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



36.9410, 93.6991, 0.0517



72.3660, 5.7356, 120.7050



51.6560, -25.4664, -45.3023



61.6760, -2.3053, -54.0899

# Sweetspot

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



36.9410, 93.6991, 0.0517



191.2520, 31.4278, -0.2210



139.1690, 43.3007, -122.0512



89.3370, 19.0609, -0.2955



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.



36.9410, 93.6991, 0.0517



41.6280, 105.1924, 0.3262



70.1300, 77.3369, 68.2920



104.9660, 4.9468, 0.0298



29.0770, 73.9120, -0.0675



8.2060, 21.0974, -0.1807



# Inverse Universe

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



89.5330, 49.5302, 120.5586



100.5270, 55.4492, 135.4728



156.8700, -77.3369, -68.2920



107.7280, 2.5991, 6.3775



70.5070, 38.6970, 95.1484

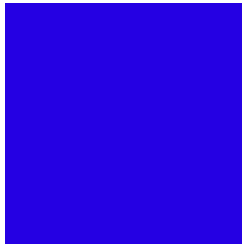


20.1510, 11.2646, 27.0546



# Previews

## White Background



This preview shows how the YUV color 36.9410, 93.6991, 0.0517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

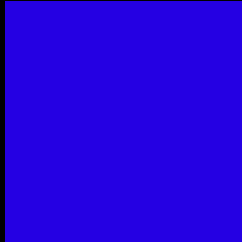
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 36.9410, 93.6991, 0.0517 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 36.9410, 93.6991, 0.0517

## Background



This preview shows how black text looks on a background with the YUV color 36.9410, 93.6991, 0.0517.



This preview shows how white text looks on a background with the YUV color 36.9410, 93.6991,



# 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

56.2180, 42.7835, -49.3032

### Deuteranopia

56.6450, 31.7270, -49.6777

### Tritanopia

55.1340, 13.2449, -48.3525

# Trichromacy



## Protanomaly

48.9640, 61.6427, -31.5404

## Deuteranomaly

49.1290, 54.6594, -31.6851

## Tritanomaly

48.6270, 42.5819, -31.2449

# Monochromacy



## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.2350, 33.9011, -0.2061

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.9410, 93.6991, 0.0517 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(37, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(37, 0, 227)  
}
```

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(37, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 0, 227) }
```

## Border

The CSS property to change the border of an element to YUV 36.9410, 93.6991, 0.0517 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(37, 0, 227) }
```

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

```
.border{ border-color:rgb(37, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(37, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(37, 0, 227)  
}
```



# Background

The CSS property to change the background color of an element to YUV 36.9410, 93.6991, 0.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 0, 227) }
```

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

```
.background{ background-color: rgb(37, 0,  
227) }
```

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