

# Converting Colors

YUV(44.4570, 37.2427, 1.3532)

Have a look what the booklet for  
YUV(44.4570, 37.2427, 1.3532)  
contains.

<b>YUV(44.4570, 37.2427, 1.3532)</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> .....	31

# Color

**YUV(44.4570, 37.2427,  
1.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E1D78
RGB	46, 29, 120
RGB Percent	18%, 11%, 47%
CMY	0.8196, 0.8863, 0.5294
CMYK	0.62, 0.76, 0.00, 0.53
HSL	251°, 61%, 29%
HSV	251°, 76%, 47%
XYZ	4.9562, 2.8156, 18.0515
YIQ	44.4570, -19.0790, 31.9050

# Conversions

## Conversions Part 2

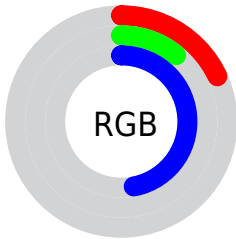
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 29, 120
Decimal	3022200
CIE <sub>Lab</sub>	19.29, 34.69, -49.03
CIE <sub>LCh</sub>	19, 60.056, 305.281
Yxy	2.8156, 0.1919, 0.1090
Android (android.graphics.Color)	4281212280 (0xFF2E1D78)
YUV	44.4570, 37.2427, 1.3532
Hunter-Lab	16.7799, 23.3585, -52.0375

# Details

The YUV color **44.4570, 37.2427, 1.3532** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **104.5430, -37.2427, -1.3532**, and the grayscale version is **44.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.9460, 38.9736, 6.1864**, and **7.9800, 30.5759, -6.9985** is the 20% darker color. If you saturate the color by 10%, you get **34.4230, 42.1895, 1.3830**, and if you desaturate by 10%, it is **54.4910, 32.2959, 1.3234**.

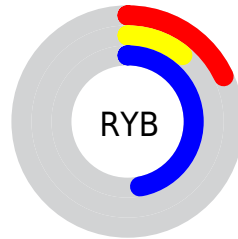
# Distribution



Red (18%)

Green (11%)

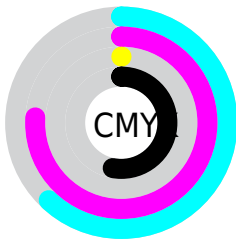
Blue (47%)



Red (18%)

Yellow (11%)

Blue (47%)

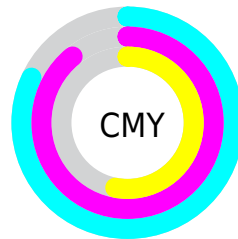


Cyan (62%)

Magenta (76%)

Yellow (0%)

Black (53%)



Cyan (82%)

Magenta (89%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 44.4570, 37.2427, 1.3532 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 44.4570, 37.2427, 1.3532 by changing the saturation by 10% instead.



■ 44.4570, 37.2427,  
1.3532

■ 44.4570, 37.2427,  
1.3532

■ 255.0000, 0.0000,  
0.0000

■ 18.2280, 37.8486,  
-6.3390

■ 93.9460, 38.9736,  
6.1864

■ 7.9800, 30.5759,  
-6.9985

■ 119.5980, 40.1312,  
8.2456

■ 7.7060, 19.3719,  
-6.7582

■ 146.1250, 40.8574,  
8.6604

■ 3.4370, 10.6306,  
-3.0142

■ 172.7230, 40.5626,  
9.8899


■ 0.0000, 0.0000,  
0.0000


■ 197.2430, 28.4742,  
13.8189


■ 221.7630, 16.3858,


17.7478


 242.6730, 6.0772,  
10.8108


 44.4570, 37.2427,  
1.3532


 44.4570, 37.2427,  
1.3532


 34.4230, 42.1895,  
1.3830


 54.4910, 32.2959,  
1.3234


 24.3890, 47.1362,  
1.4128

 64.5250, 27.3492,  
1.2936

 20.2580, 49.1728,  
1.5277

 74.2600, 22.5498,  
0.6490

 84.2940, 17.6031,  
0.6192

 94.3280, 12.6563,  
0.5893

■ 104.3620, 7.7095,  
0.5595

■ 114.0970, 2.9102,  
-0.0851

■ 124.1310, -2.0366,  
-0.1149

■ 134.1650, -6.9833,  
-0.1447

# Harmonies

## Analogous

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



46.1420, 44.7930, -40.4665



44.4570, 37.2427, 1.3532



39.7750, 21.8029, 53.6943

# Triad

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



44.4570, 37.2427, 1.3532



42.1500, -20.7799, 38.4565



43.1370, 5.3555, -37.8311

# Complementary

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



44.4570, 37.2427, 1.3532



104.5430, -37.2427, -1.3532

# 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.



36.0350, -16.7793, -31.6027



44.4570, 37.2427, 1.3532



43.7240, -21.5559, 7.2581

# Square

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



44.4570, 37.2427, 1.3532



32.8900, -16.2148, 67.6255



33.4590, -16.4953, -29.3435



48.0390, 24.1378, -42.1302



# Rectangle

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



44.4570, 37.2427, 1.3532



40.7690, 7.5089, 65.1006



33.4590, -16.4953, -29.3435



40.7260, -1.3439, -35.7167

# Sweetspot

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



44.4570, 37.2427, 1.3532



125.8980, 14.8403, 0.0895



82.8120, 18.3337, -47.1931



60.7040, 9.0199, 0.2596



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



44.4570, 37.2427, 1.3532



37.9620, 58.1927, 1.7873



57.9120, 30.6094, 29.0182



55.9830, 2.4734, 0.0149



21.1270, 51.2094, 1.6426



42.7810, 103.1450, 3.7001



# Inverse Universe

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



64.6450, 18.9090, 48.5463



69.5680, 29.3000, 75.8009



91.0880, -30.6094, -29.0182



57.3640, 1.2995, 3.1888



49.0030, 26.1275, 66.6494

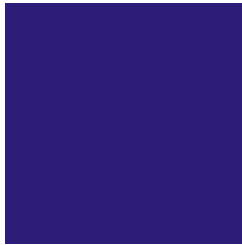


98.7180, 52.3970, 134.4283



# Previews

## White Background



This preview shows how the YUV color 44.4570, 37.2427, 1.3532 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 44.4570, 37.2427, 1.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

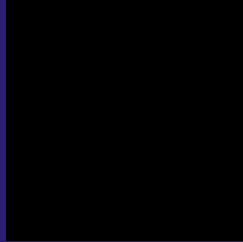
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 44.4570, 37.2427, 1.3532

## Background



This preview shows how black text looks on a background with the YUV color 44.4570, 37.2427, 1.3532.



This preview shows how white text looks on a background with the YUV color 44.4570, 37.2427,



# 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

44.4570, 37.2427, 1.3532

### Protanopia

38.0600, 29.0574, -33.3786

### Deuteranopia

38.2250, 22.0741, -33.5233



## Tritanopia

40.3000, 8.2331, -27.4501

# Trichromacy



## Original Color

44.4570, 37.2427, 1.3532

## Protanomaly

40.5330, 31.7822, -20.6384

## Deuteranomaly

40.6810, 27.2723, -20.7682

## Tritanomaly

41.5260, 18.9677, -17.1243

# Monochromacy



## Original Color

44.4570, 37.2427, 1.3532

## Achromatopsia

44.0000, 0.0000, 0.0000

## Achromatomaly

44.5560, 13.5299, 0.3894

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 44.4570, 37.2427, 1.3532 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(46, 29, 120)` looks like.

```
.text, #text, p{  
    color:rgb(46, 29, 120)  
}
```

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(46, 29, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 29, 120) }
```

## Border

The CSS property to change the border of an element to YUV 44.4570, 37.2427, 1.3532 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(46, 29, 120) }
```



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

```
.border{ border-color:rgb(46, 29, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 29, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 29, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 29, 120);  
box-shadow:4px 4px 4px 4px rgb(46, 29,  
120) }
```

# Background

The CSS property to change the background color of an element to YUV 44.4570, 37.2427, 1.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 29, 120) }
```

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

```
.background{ background-color: rgb(46, 29,  
120) }
```

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