

# Converting Colors

YUV(73.0660, 36.9425, 4.3271)

Have a look what the booklet for  
YUV(73.0660, 36.9425, 4.3271)  
contains.

<b>YUV(73.0660, 36.9425, 4.3271)</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(73.0660, 36.9425,  
4.3271)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E3894
RGB	78, 56, 148
RGB Percent	31%, 22%, 58%
CMY	0.6941, 0.7804, 0.4196
CMYK	0.47, 0.62, 0.00, 0.42
HSL	254°, 45%, 40%
HSV	254°, 62%, 58%
XYZ	9.9014, 6.5862, 28.7664
YIQ	73.0660, -16.4200, 33.2760

# Conversions

## Conversions Part 2

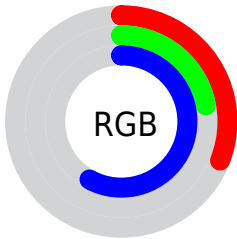
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 56, 148
Decimal	5126292
CIE <sub>Lab</sub>	30.85, 33.34, -47.56
CIE <sub>LCh</sub>	31, 58.088, 305.031
Yxy	6.5862, 0.2188, 0.1455
Android (android.graphics.Color)	4283316372 (0xFF4E3894)
YUV	73.0660, 36.9425, 4.3271
Hunter-Lab	25.6635, 23.9567, -48.4940

# Details

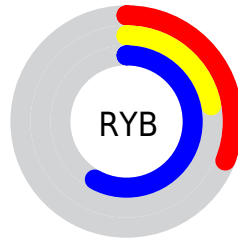
The YUV color **73.0660, 36.9425, 4.3271** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **130.9340, -36.9425, -4.3271**, and the grayscale version is **73.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.6580, 39.1156, 7.3159**, and **23.6690, 35.6592, -4.0947** is the 20% darker color. If you saturate the color by 10%, you get **60.9720, 42.9048, 5.2866**, and if you desaturate by 10%, it is **85.1600, 30.9801, 3.3677**.

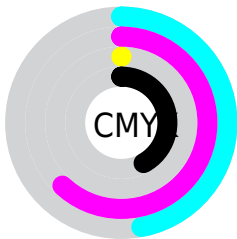
# Distribution



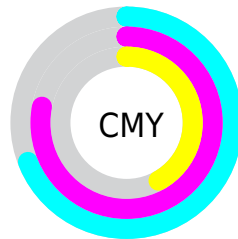
- Red (31%)
- Green (22%)
- Blue (58%)



- Red (31%)
- Yellow (22%)
- Blue (58%)



- Cyan (47%)
- Magenta (62%)
- Yellow (0%)
- Black (42%)



- Cyan (69%)
- Magenta (78%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 73.0660, 36.9425, 4.3271 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 73.0660, 36.9425, 4.3271 by changing the saturation by 10% instead.



■ 73.0660, 36.9425,  
4.3271

■ 73.0660, 36.9425,  
4.3271

■ 255.0000, 0.0000,  
0.0000

■ 48.5280, 36.2217,  
2.1679

■ 123.6580, 39.1156,  
7.3159

■ 23.6690, 35.6592,  
-4.0947

■ 149.8970, 39.9838,  
8.8603

■ 8.2080, 31.4495,  
-7.1984

■ 176.8540, 38.5260,  
9.7750

■ 7.8200, 19.8087,  
-6.8581

■ 201.3740, 26.4376,  
13.7040

■ 3.6650, 11.5042,  
-3.2142

■ 226.4810, 14.0599,  
17.1182

■ 0.0000, 0.0000,  
0.0000

■ 245.6080, 4.6303,

8.2368

■ 73.0660, 36.9425,  
4.3271

■ 73.0660, 36.9425,  
4.3271

■ 60.9720, 42.9048,  
5.2866

■ 85.1600, 30.9801,  
3.3677

■ 48.5790, 49.0146,  
5.6312

■ 97.5530, 24.8704,  
3.0230

■ 37.0720, 54.6875,  
6.0759

■ 109.0600, 19.1974,  
2.5784

■ 27.3370, 59.4869,  
6.7205

■ 121.1540, 13.2351,  
1.6189

■ 133.2480, 7.2727,  
0.6595

■ 145.6410, 1.1630,  
0.3148

■ 157.7350, -4.7994,  
-0.6446

■ 169.2420,  
-10.4723, -1.0892

■ 181.3360,  
-16.4346, -2.0487

# Harmonies

## Analogous

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



63.3080, 49.6412, -55.5211



73.0660, 36.9425, 4.3271



65.4380, 22.9551, 57.4979

# Triad

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



73.0660, 36.9425, 4.3271



67.8660, -33.4579, 44.8445



62.4230, 8.1725, -54.7450

# Complementary

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



73.0660, 36.9425, 4.3271



130.9340, -36.9425, -4.3271

# 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.



55.7770, -12.2151, -48.9164



73.0660, 36.9425, 4.3271



67.6680, -33.3603, 13.4462

# Square

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



73.0660, 36.9425, 4.3271



60.0540, -18.2676, 72.7436



59.1750, -29.1733, -22.9555



67.5530, 27.8284, -59.2440



# Rectangle

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



73.0660, 36.9425, 4.3271



53.0020, 14.2960, 81.5592



59.1750, -29.1733, -22.9555



60.5990, 1.1837, -53.1453

# Sweetspot

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



73.0660, 36.9425, 4.3271



161.7950, 14.3981, 1.9338



108.1650, 19.6387, -45.7487



79.0030, 8.8725, 0.8744



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



73.0660, 36.9425, 4.3271



74.4680, 57.4503, 6.6056



86.5210, 30.3091, 31.9921



68.0970, 2.9102, -0.0851



25.5990, 55.4137, 6.4907



1.7380, 4.0732, 0.2298



# Inverse Universe

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



91.4880, 17.0144, 49.5610



103.1830, 26.5318, 77.0155



117.4790, -30.3091, -31.9921



69.6630, 1.1521, 3.8035



53.2320, 25.5216, 74.3415



3.9020, 2.0203, 5.3479



# Previews

## White Background



This preview shows how the YUV color 73.0660, 36.9425, 4.3271 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 73.0660, 36.9425, 4.3271 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 73.0660, 36.9425, 4.3271**

## **Background**



This preview shows how black text looks on a background with the YUV color 73.0660, 36.9425, 4.3271.



This preview shows how white text looks on a background with the YUV color 73.0660, 36.9425,



# 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

73.0660, 36.9425, 4.3271

### Protanopia

58.0760, 44.8255, -50.9327

### Deuteranopia

58.1440, 34.9320, -50.9923



**Tritanopia**

71.1990, 4.8319, -9.8215

# Trichromacy



## Original Color

73.0660, 36.9425, 4.3271

## Protanomaly

63.5130, 42.1451, -31.1449

## Deuteranomaly

63.2050, 35.8879, -30.8748

## Tritanomaly

71.9190, 16.3089, -4.3140

# Monochromacy



## Original Color

73.0660, 36.9425, 4.3271

## Achromatopsia

73.0000, 0.0000, 0.0000

## Achromatomaly

73.1540, 13.2351, 1.6189

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 73.0660, 36.9425, 4.3271 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(78, 56, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 56, 148)  
}
```

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(78, 56, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 56, 148) }
```

## Border

The CSS property to change the border of an element to YUV 73.0660, 36.9425, 4.3271 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(78, 56, 148) }
```



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

```
.border{ border-color:rgb(78, 56, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 56, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 56, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 56, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 56,  
148) }
```

# Background

The CSS property to change the background color of an element to YUV 73.0660, 36.9425, 4.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 56, 148) }
```

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

```
.background{ background-color: rgb(78, 56,  
148) }
```

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