

# Converting Colors

YUV(45.2370, 74.3262,  
-39.6728)

Have a look what the booklet for  
YUV(45.2370, 74.3262, -39.6728)  
contains.

<b>YUV(45.2370, 74.3262, -39.6728)</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(45.2370, 74.3262,  
-39.6728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0027C4
RGB	0, 39, 196
RGB Percent	0%, 15%, 77%
CMY	1.0000, 0.8471, 0.2314
CMYK	1.00, 0.80, 0.00, 0.23
HSL	228°, 100%, 38%
HSV	228°, 100%, 77%
XYZ	10.6893, 5.4366, 52.7105
YIQ	45.2370, -73.6410, 40.5590

# Conversions

## Conversions Part 2

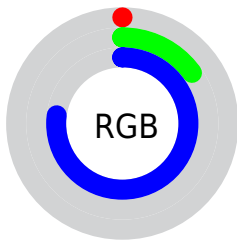
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 33, 196
Decimal	10180
CIELab	27.94, 51.93, -81.27
CIELCh	28, 96.449, 302.578
Yxy	5.4366, 0.1553, 0.0790
Android (android.graphics.Color)	4278200260 (0xFF0027C4)
YUV	45.2370, 74.3262, -39.6728
Hunter-Lab	23.3164, 41.0288, -117.7130

# Details

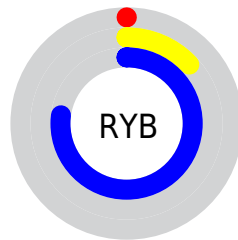
The YUV color **45.2370, 74.3262, -39.6728** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **150.7630, -74.3262, 39.6728**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **110.5230, 70.7342, -7.4747**, and **16.0740, 61.5885, -14.0969** is the 20% darker color. If you saturate the color by 10%, you get **45.2370, 74.3262, -39.6728**, and if you desaturate by 10%, it is **60.6090, 66.7478, -35.6141**.

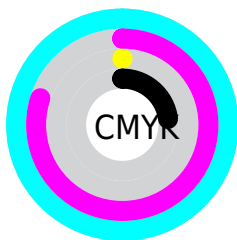
# Distribution



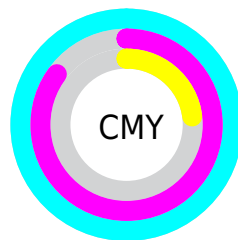
- Red (0%)
- Green (15%)
- Blue (77%)



- Red (0%)
- Yellow (13%)
- Blue (77%)



- Cyan (100%)
- Magenta (80%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (85%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.2370, 74.3262, -39.6728 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 45.2370, 74.3262, -39.6728 by changing the saturation by 10% instead.



■ 45.2370, 74.3262,  
-39.6728

■ 45.2370, 74.3262,  
-39.6728

■ 255.0000, 0.0000,  
0.0000

■ 28.5440, 68.7518,  
-25.0331

■ 110.5230, 70.7342,  
-7.4747

■ 16.0740, 61.5885,  
-14.0969

■ 134.8800, 59.2192,  
-0.7718

■ 12.9960, 49.7950,  
-11.3975

■ 159.7100, 46.9780,  
5.5163

■ 17.6630, 34.6761,  
-15.4905

■ 184.8280, 34.5948,  
10.6748

■ 11.4050, 25.9293,  
-10.0022

■ 209.9460, 22.2116,  
15.8334

■ 6.4350, 17.0405,  
-5.6435

■ 234.4550, 10.1287,


■ 2.7530, 8.0098,


18.0180


-2.4144


 251.4780, 1.7363,  
3.0888

 0.0000, 0.0000,  
0.0000


 45.2370, 74.3262,  
-39.6728

 60.6090, 66.7478,  
-35.6141

 75.0950, 59.6062,  
-31.6553

 90.4670, 52.0278,  
-27.5966

 105.5400, 44.5968,  
-24.1526

 120.9120, 37.0184,  
-20.0938

■ 135.6970, 29.7294,  
-15.5203

■ 150.7700, 22.2984,  
-12.0763

■ 166.1420, 14.7200,  
-8.0175

■ 180.6280, 7.5784,  
-4.0588

# Harmonies

## Analogous

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



71.5670, 73.6705, -62.7643



45.2370, 74.3262, -39.6728



60.6530, 37.1461, 79.2343

# Triad

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



45.2370, 74.3262, -39.6728



52.3820, -25.8243, 69.8250



60.3370, 5.2569, -52.9155

# Complementary

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



45.2370, 74.3262, -39.6728



150.7630, -74.3262, 39.6728

# 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.



50.4820, -24.8876, -44.2727



45.2370, 74.3262, -39.6728



61.4660, -30.3027, 12.7463

# Square

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



45.2370, 74.3262, -39.6728



51.1290, -25.2066, 105.1269



47.5470, -23.4407, -41.6987



70.0610, 37.4379, -61.4435



# Rectangle

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



45.2370, 74.3262, -39.6728



62.9550, 12.3472, 100.0175



47.5470, -23.4407, -41.6987



56.7860, -5.8105, -49.8013

# Sweetspot

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



45.2370, 74.3262, -39.6728



196.4690, 28.8558, -15.3203



132.9500, 11.8567, -116.5971



92.5270, 17.4882, -9.2322



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.



45.2370, 74.3262, -39.6728



59.0070, 96.6245, -51.7491



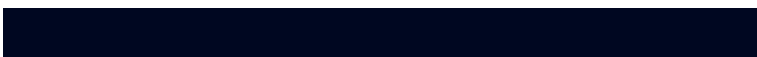
39.9850, 76.9154, 16.6762



89.3140, 3.7892, -2.0294



37.1380, 61.0640, -32.5700



7.8710, 12.3886, -6.9029



# Inverse Universe

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



63.0500, -11.8566, 116.5971



82.0590, -15.3121, 151.6693



156.0150, -76.9154, -16.6762



90.2180, -0.6005, 5.9478



51.7870, -9.7550, 95.7798

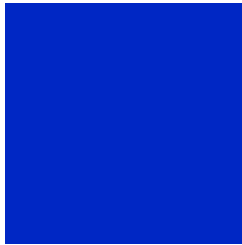


10.6650, -1.8068, 19.5878



# Previews

## White Background



This preview shows how the YUV color 45.2370, 74.3262, -39.6728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

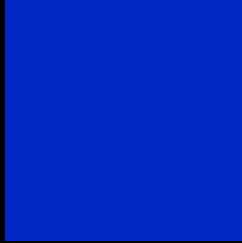
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 45.2370, 74.3262, -39.6728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

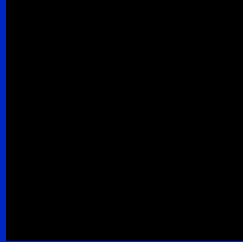
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.2370, 74.3262, -39.6728

## Background



This preview shows how black text looks on a background with the YUV color 45.2370, 74.3262, -39.6728.



This preview shows how white text looks on a background with the YUV color 45.2370, 74.3262, -39.6728.



# 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

45.2370, 74.3262, -39.6728

### Protanopia

52.9580, 40.4467, -46.4442

### Deuteranopia

52.9120, 30.1164, -46.4038



## Tritanopia

52.2160, 12.2185, -45.7934

# Trichromacy



## Original Color

45.2370, 74.3262, -39.6728

## Protanomaly

50.1830, 52.6608, -44.0105

## Deuteranomaly

49.8750, 46.4036, -43.7404

## Tritanomaly

49.4870, 34.7629, -43.4001

# Monochromacy



## Original Color

45.2370, 74.3262, -39.6728

## Achromatopsia

45.0000, 0.0000, 0.0000

## Achromatomaly

45.3120, 26.9612, -14.3056

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.2370, 74.3262, -39.6728 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(0, 39, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 39, 196)  
}
```

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(0, 39, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 39, 196) }
```

## Border

The CSS property to change the border of an element to YUV 45.2370, 74.3262, -39.6728 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(0, 39, 196) }
```



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

```
.border{ border-color:rgb(0, 39, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 39, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 39, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 39, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 39, 196)  
}
```

# Background

The CSS property to change the background color of an element to YUV 45.2370, 74.3262, -39.6728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 39, 196) }
```

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

```
.background{ background-color: rgb(0, 39,  
196) }
```

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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