

# Converting Colors

YUV(43.0180, 76.8991, 21.9092)

Have a look what the booklet for  
YUV(43.0180, 76.8991, 21.9092)  
contains.

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# Color

**YUV(43.0180, 76.8991,  
21.9092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4400C7
RGB	68, 0, 199
RGB Percent	27%, 0%, 78%
CMY	0.7333, 1.0000, 0.2196
CMYK	0.66, 1.00, 0.00, 0.22
HSL	261°, 100%, 39%
HSV	261°, 100%, 78%
XYZ	12.6927, 5.3525, 54.3970
YIQ	43.0180, -23.3510, 76.3050

# Conversions

## Conversions Part 2

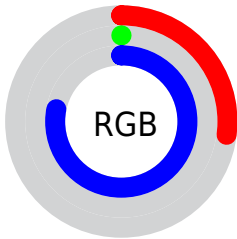
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 0, 199
Decimal	4456647
CIE <sub>Lab</sub>	27.72, 67.14, -83.32
CIE <sub>LCh</sub>	28, 107.006, 308.860
Yxy	5.3525, 0.1752, 0.0739
Android (android.graphics.Color)	4282646727 (0xFF4400C7)
YUV	43.0180, 76.8991, 21.9092
Hunter-Lab	23.1354, 57.4430, -123.2105

# Details

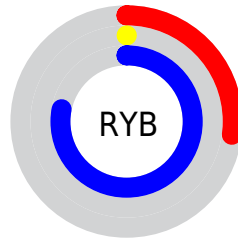
The YUV color **43.0180, 76.8991, 21.9092** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **155.9820, -76.8991, -21.9092**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **109.0520, 71.9524, 21.8794**, and **16.3020, 62.4621, -14.2969** is the 20% darker color. If you saturate the color by 10%, you get **43.0180, 76.8991, 21.9092**, and if you desaturate by 10%, it is **58.6450, 69.1950, 19.6053**.

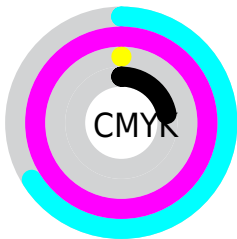
# Distribution



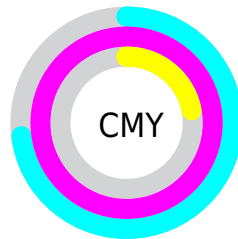
- Red (27%)
- Green (0%)
- Blue (78%)



- Red (27%)
- Yellow (0%)
- Blue (78%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (100%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 43.0180, 76.8991, 21.9092 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 43.0180, 76.8991, 21.9092 by changing the saturation by 10% instead.



■ 43.0180, 76.8991,  
21.9092

■ 43.0180, 76.8991,  
21.9092

■ 255.0000, 0.0000,  
0.0000

■ 25.1750, 71.8917,  
-5.4155

■ 109.0520, 71.9524,  
21.8794

■ 16.3020, 62.4621,  
-14.2969

■ 134.1700, 59.5692,  
27.0379

■ 13.3380, 51.1054,  
-11.6974

■ 159.2880, 47.1860,  
32.1964

■ 11.5480, 39.1698,  
-10.1276

■ 184.4060, 34.8028,  
37.3549

■ 11.6330, 26.8029,  
-10.2021

■ 209.2140, 22.5725,  
40.1543

■ 6.6630, 17.9141,  
-5.8435

■ 226.2370, 14.1802,


■ 2.9810, 8.8834,


25.2252


-2.6143


 243.2600, 5.7878,  
10.2960

 0.0000, 0.0000,  
0.0000


 43.0180, 76.8991,  
21.9092

 58.6450, 69.1950,  
19.6053

 74.2720, 61.4909,  
17.3015

 89.8990, 53.7868,  
14.9976

 105.5260, 46.0827,  
12.6937

 121.4520, 38.2312,  
11.0046

■ 136.4920, 30.8164,  
9.2155

■ 152.1190, 23.1123,  
6.9116

■ 167.7460, 15.4082,  
4.6078

■ 183.3730, 7.7041,  
2.3039

# Harmonies

## Analogous

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



71.0430, 81.8168, -62.3047



43.0180, 76.8991, 21.9092



65.6070, 30.2667, 92.4297

# Triad

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



43.0180, 76.8991, 21.9092



56.1590, -27.6864, 60.3736



62.9760, 12.8298, -55.2300

# Complementary

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



43.0180, 76.8991, 21.9092



155.9820, -76.8991, -21.9092

# 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.



51.0690, -25.1770, -44.7875



43.0180, 76.8991, 21.9092



59.0190, -29.0964, -0.8937

# Square

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



43.0180, 76.8991, 21.9092



51.4280, -25.3540, 105.7416



48.7210, -24.0195, -42.7283



73.4980, 48.0685, -64.4577



# Rectangle

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



43.0180, 76.8991, 21.9092



65.4310, 3.7315, 110.1240



48.7210, -24.0195, -42.7283



59.0830, 0.4521, -51.8158

# Sweetspot

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



43.0180, 76.8991, 21.9092



195.4380, 29.3641, 8.3859



100.7570, 48.4338, -88.3639



91.7290, 17.8816, 4.6227



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.



43.0180, 76.8991, 21.9092



55.0830, 98.5591, 27.9912



72.3200, 62.4532, 82.1574



91.9230, 3.4890, 0.9445



35.3260, 62.9433, 18.1311



7.6920, 13.9558, 3.7781



# Inverse Universe

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



74.4350, 27.8865, 109.2435



95.3970, 35.7933, 139.9718



126.6800, -62.4532, -82.1574



93.3750, 1.2941, 4.9331



60.9350, 22.7100, 89.5110

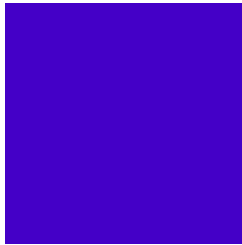


13.5000, 5.1765, 19.7325



# Previews

## White Background



This preview shows how the YUV color 43.0180, 76.8991, 21.9092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

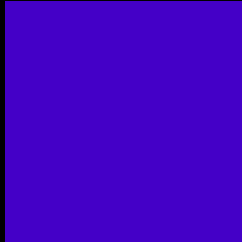
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 43.0180, 76.8991, 21.9092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

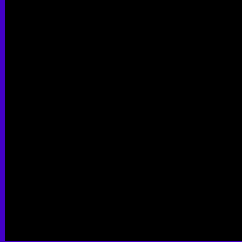
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 43.0180, 76.8991, 21.9092

## Background



This preview shows how black text looks on a background with the YUV color 43.0180, 76.8991, 21.9092.



This preview shows how white text looks on a background with the YUV color 43.0180, 76.8991,



# 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

53.7730, 41.0309, -47.1589

### Deuteranopia

54.3140, 30.4112, -47.6334

### Tritanopia

53.1450, 13.2395, -46.6082

# Trichromacy



## Protanomaly

49.7820, 54.3375, -21.7338

## Deuteranomaly

50.5340, 47.0647, -22.3933

## Tritanomaly

49.6730, 36.1502, -21.6382

# Monochromacy



## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

42.7970, 28.2011, 8.0710

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 43.0180, 76.8991, 21.9092 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(68, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(68, 0, 199)  
}
```

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(68, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 199) }
```

## Border

The CSS property to change the border of an element to YUV 43.0180, 76.8991, 21.9092 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(68, 0, 199) }
```

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

```
.border{ border-color:rgb(68, 0, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 0, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(68, 0, 199)  
}
```



# Background

The CSS property to change the background color of an element to YUV 43.0180, 76.8991, 21.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 199) }
```

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

```
.background{ background-color: rgb(68, 0,  
199) }
```

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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