

# Converting Colors

YUV(85.3880, 31.3607,  
-72.2543)

Have a look what the booklet for  
YUV(85.3880, 31.3607, -72.2543)  
contains.

|  |    |
|--|----|
| <b>YUV(85.3880, 31.3607, -72.2543)</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(85.3880, 31.3607,  
-72.2543)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 037395                      |
| RGB           | 3, 115, 149                 |
| RGB Percent   | 1%, 45%, 58%                |
| CMY           | 0.9882, 0.5490, 0.4157      |
| CMYK          | 0.98, 0.23, 0.00, 0.42      |
| HSL           | 194°, 96%, 30%              |
| HSV           | 194°, 98%, 58%              |
| XYZ           | 11.5931, 14.4508, 30.6120   |
| YIQ           | 85.3880, -77.6660, -13.1700 |

# Conversions

## Conversions Part 2

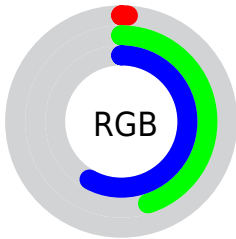
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 3, 66, 149                     |
| Decimal                             | 226197                         |
| CIE <sub>Lab</sub>                  | 44.87, -14.42, -26.07          |
| CIE <sub>LCh</sub>                  | 45, 29.789, 241.056            |
| Yxy                                 | 14.4508, 0.2046,<br>0.2551     |
| Android<br>(android.graphics.Color) | 4278416277<br>(0xFF037395)     |
| YUV                                 | 85.3880, 31.3607,<br>-72.2543  |
| Hunter-Lab                          | 38.0141, -12.0879,<br>-21.1351 |

# Details

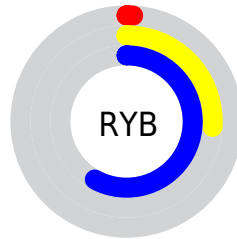
The YUV color **85.3880, 31.3607, -72.2543** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **66.6120, -31.3607, 72.2543**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **146.5860, 27.8121, -54.0109**, and **50.5010, 23.4170, -44.2894** is the 20% darker color. If you saturate the color by 10%, you get **83.9040, 32.0923, -73.5838**, and if you desaturate by 10%, it is **91.6340, 28.2814, -64.5770**.

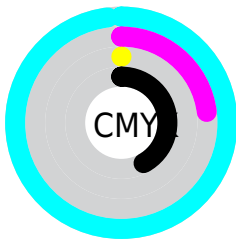
# Distribution



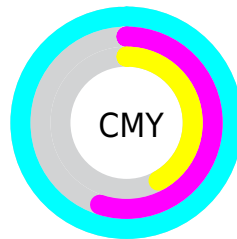
- Red (1%)
- Green (45%)
- Blue (58%)



- Red (1%)
- Yellow (26%)
- Blue (58%)



- Cyan (98%)
- Magenta (23%)
- Yellow (0%)
- Black (42%)



- Cyan (99%)
- Magenta (55%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.3880, 31.3607, -72.2543 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 85.3880, 31.3607, -72.2543 by changing the saturation by 10% instead.



85.3880, 31.3607,  
-72.2543

85.3880, 31.3607,  
-72.2543

255.0000, 0.0000,  
0.0000

66.8520, 27.6810,  
-58.6292

146.5860, 27.8121,  
-54.0109

50.5010, 23.4170,  
-44.2894

174.5970, 27.8067,  
-52.2666

34.8510, 19.3005,  
-30.5643

202.4400, 25.9121,  
-51.2519

20.4890, 15.0419,  
-17.9689

228.1340, 13.2449,  
-48.3525

4.5940, 12.5252,  
-4.0289

239.1530, 7.8126,  
-32.5832

0.0000, 0.0000,  
0.0000

247.8240, 3.5378,

-14.7546

■ 85.3880, 31.3607,  
-72.2543

■ 85.3880, 31.3607,  
-72.2543

■ 83.9040, 32.0923,  
-73.5838

■ 91.6340, 28.2814,  
-64.5770

■ 98.4670, 24.9128,  
-57.4146

■ 104.7130, 21.8335,  
-49.7373

■ 111.5460, 18.4648,  
-42.5748

■ 117.4930, 15.5330,  
-35.5124

■ 124.3260, 12.1643,  
-28.3499

■ 130.5720, 9.0850,  
-20.6726

■ 137.4050, 5.7163,  
-13.5102

■ 143.6510, 2.6371,  
-5.8329

# Harmonies

## Analogous

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



84.7870, 22.7830, -74.3582



85.3880, 31.3607, -72.2543



101.6970, 26.2784, -28.6753

# Triad

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



85.3880, 31.3607, -72.2543



108.0140, -0.9929, 38.5757



101.3310, -18.8972, -5.5523

# Complementary

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



85.3880, 31.3607, -72.2543



66.6120, -31.3607, 72.2543

# 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.



104.1980, -23.7616, 14.7354



85.3880, 31.3607, -72.2543



107.3380, -12.4916, 40.0456

# Square

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



85.3880, 31.3607, -72.2543



109.6130, 10.5438, 24.8954



105.6930, -21.0476, 30.9642



97.3480, -8.0596, -28.3692



# Rectangle

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



85.3880, 31.3607, -72.2543



106.5040, 22.4295, -7.4580



105.6930, -21.0476, 30.9642



102.3920, -21.3923, 1.4102

# Sweetspot

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



85.3880, 31.3607, -72.2543



169.6250, 12.0169, -27.7351



92.3500, -28.2735, -78.3599



82.1380, 7.3270, -16.7840



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.



85.3880, 31.3607, -72.2543



109.5790, 41.6196, -96.1008



43.7110, 51.9075, -35.7035



70.7330, 1.6106, -3.2738



77.9540, 29.6027, -68.3657



5.8360, 2.0529, -5.1182



# Inverse Universe

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



59.4220, 27.4000, 78.5599



74.9920, 36.4859, 104.3700



108.2890, -51.9075, 35.7035



69.6630, 1.1521, 3.8035



53.3460, 25.9584, 74.2416



3.9020, 2.0203, 5.3479



# Previews

## White Background



This preview shows how the YUV color 85.3880, 31.3607, -72.2543 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 × Fail



# Black Background



This preview shows how the YUV color 85.3880, 31.3607, -72.2543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

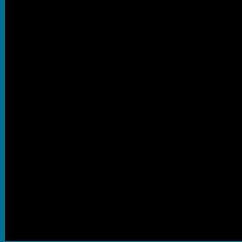
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.3880, 31.3607, -72.2543

## Background



This preview shows how black text looks on a background with the YUV color 85.3880, 31.3607, -72.2543.



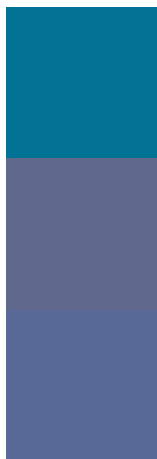
This preview shows how white text looks on a background with the YUV color 85.3880, 31.3607, -72.2543.



# 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

85.3880, 31.3607, -72.2543

### Protanopia

106.4130, 17.0514, -9.1322

### Deuteranopia

105.4600, 22.4512, -14.4354



## Tritanopia

83.7440, 21.3252, -73.4435

# Trichromacy



## Original Color

85.3880, 31.3607, -72.2543

## Protanomaly

98.9370, 22.2161, -32.3937

## Deuteranomaly

98.4250, 25.4265, -35.4527

## Tritanomaly

84.3680, 24.9616, -73.1137

# Monochromacy



## Original Color

85.3880, 31.3607, -72.2543

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.1090, 11.2853, -26.4056

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.3880, 31.3607, -72.2543 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(3, 115, 149)` looks like.

```
.text, #text, p{  
    color:rgb(3, 115, 149)  
}
```

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(3, 115, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 115, 149) }
```

## Border

The CSS property to change the border of an element to YUV 85.3880, 31.3607, -72.2543 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(3, 115, 149) }
```



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

```
.border{ border-color:rgb(3, 115, 149) }
```

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

Here you see how a box with a 4 pixel rgb(3, 115, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 115, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 115, 149);  
box-shadow:4px 4px 4px 4px rgb(3, 115,  
149) }
```

# Background

The CSS property to change the background color of an element to YUV 85.3880, 31.3607, -72.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 115, 149) }
```

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

```
.background{ background-color: rgb(3, 115,  
149) }
```

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