

# Converting Colors

YUV(50.8890, 35.0577,  
-44.6297)

Have a look what the booklet for  
YUV(50.8890, 35.0577, -44.6297)  
contains.

<b>YUV(50.8890, 35.0577, -44.6297)</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> .....	30

# Color

**YUV(50.8890, 35.0577,  
-44.6297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003F7A
RGB	0, 63, 122
RGB Percent	0%, 25%, 48%
CMY	1.0000, 0.7529, 0.5216
CMYK	1.00, 0.48, 0.00, 0.52
HSL	209°, 100%, 24%
HSV	209°, 100%, 48%
XYZ	5.2904, 4.9602, 19.0909
YIQ	50.8890, -56.4870, 4.9930

# Conversions

## Conversions Part 2

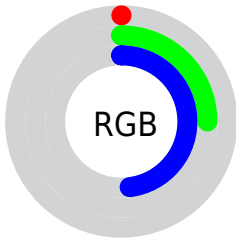
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 42, 122
Decimal	16250
CIELab	26.62, 7.19, -38.46
CIELCh	27, 39.123, 280.597
Yxy	4.9602, 0.1803, 0.1690
Android (android.graphics.Color)	4278206330 (0xFF003F7A)
YUV	50.8890, 35.0577, -44.6297
Hunter-Lab	22.2714, 3.4260, -35.2331

# Details

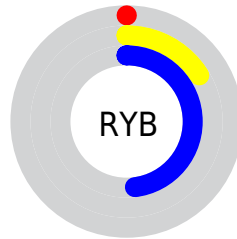
The YUV color **50.8890, 35.0577, -44.6297** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **71.1110, -35.0577, 44.6297**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.9450, 33.5511, -28.0158**, and **21.2360, 25.5197, -18.6240** is the 20% darker color. If you saturate the color by 10%, you get **50.8890, 35.0577, -44.6297**, and if you desaturate by 10%, it is **57.9990, 31.5525, -40.3411**.

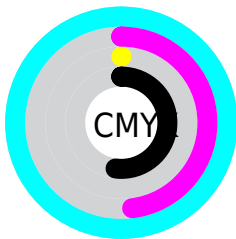
# Distribution



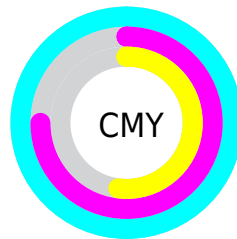
- Red (0%)
- Green (25%)
- Blue (48%)



- Red (0%)
- Yellow (16%)
- Blue (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (75%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.8890, 35.0577, -44.6297 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 50.8890, 35.0577, -44.6297 by changing the saturation by 10% instead.



■ 50.8890, 35.0577,  
-44.6297

■ 50.8890, 35.0577,  
-44.6297

■ 255.0000, 0.0000,  
0.0000

■ 35.7120, 30.2150,  
-31.3194

■ 106.9450, 33.5511,  
-28.0158

■ 21.2360, 25.5197,  
-18.6240

■ 133.1840, 34.4193,  
-26.4714

■ 8.0480, 20.6823,  
-7.0581

■ 159.7110, 35.1455,  
-26.0565

■ 3.7790, 11.9410,  
-3.3142

■ 186.6680, 33.6877,  
-25.1418

■ 0.0000, 0.0000,  
0.0000

■ 211.7750, 21.3099,  
-21.7277

■ 236.8820, 8.9322,

-18.3135

■ 252.0100, 1.4741,  
-6.1478

■ 50.8890, 35.0577,  
-44.6297

■ 57.9990, 31.5525,  
-40.3411

■ 65.1090, 28.0473,  
-36.0526

■ 72.5180, 24.3946,  
-31.1493

■ 79.6280, 20.8894,  
-26.8608

■ 86.7380, 17.3842,  
-22.5722

■ 93.2610, 14.1683,  
-17.7689

■ 100.3710, 10.6631,  
-13.4804

■ 107.7800, 7.0105,  
-8.5771

■ 114.8900, 3.5052,  
-4.2885

# Harmonies

## Analogous

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



55.8300, 31.1428, -48.9629



50.8890, 35.0577, -44.6297



64.7990, 21.7911, 10.7003

# Triad

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



50.8890, 35.0577, -44.6297



59.8070, -17.1599, 44.0193



48.8130, -3.3588, -42.8090

# Complementary

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



50.8890, 35.0577, -44.6297



71.1110, -35.0577, 44.6297

# 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.



53.7980, -20.6064, -17.3628



50.8890, 35.0577, -44.6297



59.2060, -29.1886, 28.7603

# Square

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



50.8890, 35.0577, -44.6297



59.0370, -2.4832, 49.9566



58.1880, -28.6867, 7.7281



53.5210, 9.6031, -46.9379



# Rectangle

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



50.8890, 35.0577, -44.6297



63.6830, 14.4533, 30.9730



58.1880, -28.6867, 7.7281



47.0860, -7.4374, -41.2944

# Sweetspot

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



50.8890, 35.0577, -44.6297



130.4460, 13.5841, -17.0541



78.3400, -9.5346, -68.7042



62.4100, 8.1789, -10.0066



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.



50.8890, 35.0577, -44.6297



66.1460, 45.2840, -58.0100



15.0820, 52.7106, -13.2269



57.4450, 1.7526, -2.1443



52.4050, 35.7893, -45.9592



105.0380, 72.4523, -92.1183



# Inverse Universe

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



43.6600, 9.5346, 68.7042



56.5900, 12.5271, 88.9366



106.9180, -52.7106, 13.2269



57.1360, 0.4260, 3.3887



44.7850, 9.9660, 70.3486



90.1680, 19.6372, 141.9267



# Previews

## White Background



This preview shows how the YUV color 50.8890, 35.0577, -44.6297 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 50.8890, 35.0577, -44.6297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

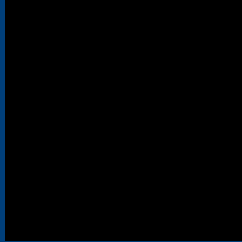
Any Text WCAG AA × Fail

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 50.8890, 35.0577, -44.6297 Background



This preview shows how black text looks on a background with the YUV color 50.8890, 35.0577, -44.6297.



This preview shows how white text looks on a background with the YUV color 50.8890, 35.0577,



# 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

58.7560, 30.1933, -24.3420

### Deuteranopia

51.0370, 30.5478, -44.7594

### Tritanopia

50.2270, 12.2131, -44.0491

# Trichromacy



## Protanomaly

56.1680, 31.9622, -31.7193

## Deuteranomaly

50.7920, 32.1475, -44.5446

## Tritanomaly

50.4040, 20.5068, -44.2043

# Monochromacy



## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

50.6310, 12.9999, -16.3394

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.8890, 35.0577, -44.6297 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, 63, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 63, 122)  
}
```

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, 63, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 63, 122) }
```

## Border

The CSS property to change the border of an element to YUV 50.8890, 35.0577, -44.6297 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, 63, 122) }
```

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

```
.border{ border-color:rgb(0, 63, 122) }
```

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

Here you see how a box with a 4 pixel rgb(0, 63, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 63, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 63, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 63, 122)  
}
```



# Background

The CSS property to change the background color of an element to YUV 50.8890, 35.0577, -44.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 63, 122) }
```

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

```
.background{ background-color: rgb(0, 63,  
122) }
```

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