

# Converting Colors

YUV(72.2500, -35.6193,  
84.8498)

Have a look what the booklet for  
YUV(72.2500, -35.6193, 84.8498)  
contains.

<b>YUV(72.2500, -35.6193, 84.8498)</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(72.2500, -35.6193,  
84.8498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A92500
RGB	169, 37, 0
RGB Percent	66%, 15%, 0%
CMY	0.3373, 0.8549, 1.0000
CMYK	0.00, 0.78, 1.00, 0.34
HSL	13°, 100%, 33%
HSV	13°, 100%, 66%
XYZ	17.0238, 9.7582, 0.9863
YIQ	72.2500, 90.5490, 16.4770

# Conversions

## Conversions Part 2

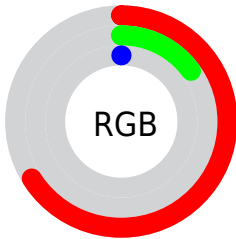
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 47, 0
Decimal	11085056
CIELab	37.40, 51.65, 50.39
CIELCh	37, 72.157, 44.290
Yxy	9.7582, 0.6131, 0.3514
Android (android.graphics.Color)	4289275136 (0xFFA92500)
YUV	72.2500, -35.6193, 84.8498
Hunter-Lab	31.2380, 42.6103, 19.9947

# Details

The YUV color **72.2500, -35.6193, 84.8498** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **96.7500, 35.6193, -84.8498**, and the grayscale version is **73.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **129.7730, -38.8351, 89.6531**, and **31.9930, -15.7725, 65.7811** is the 20% darker color. If you saturate the color by 10%, you get **72.2500, -35.6193, 84.8498**, and if you desaturate by 10%, it is **81.8190, -31.9558, 76.4577**.

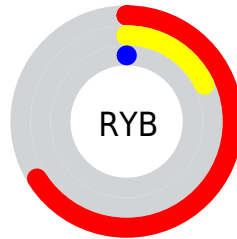
# Distribution



Red (66%)

Green (15%)

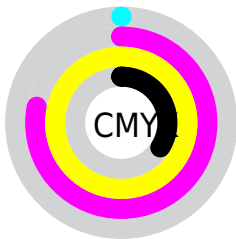
Blue (0%)



Red (66%)

Yellow (18%)

Blue (0%)

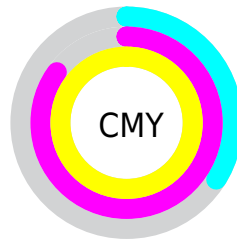


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (85%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 72.2500, -35.6193, 84.8498 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 72.2500, -35.6193, 84.8498 by changing the saturation by 10% instead.





 72.2500, -35.6193,  
84.8498


 72.2500, -35.6193,  
84.8498


 252.8340, -8.2992,  
1.8996


 41.2620, -20.3422,  
84.8392


 129.7730,  
-38.8351, 89.6531


 31.9930, -15.7725,  
65.7811

 155.8220,  
-39.8452, 86.9791


 23.0230, -11.3503,  
47.3378

 174.5210,  
-36.7389, 70.5801

 15.1780, -6.4968,  
30.5389

 193.9210,  
-33.4851, 53.5663


 0.0000, 0.0000,  
0.0000


 213.3210,  
-30.2313, 36.5525


 233.5360,


-26.3932, 18.8239


 249.6420,  
-20.5295, 4.6990

 72.2500, -35.6193,  
84.8498

 81.8190, -31.9558,  
76.4577

 91.3880, -28.2923,  
68.0657

 101.5440,  
-24.9182, 59.1589

 111.1130,  
-21.2547, 50.7669

 120.5680,  
-18.0280, 42.4749

■ 130.1370,  
-14.3645, 34.0829

■ 139.7060,  
-10.7011, 25.6908

■ 149.8620, -7.3270,  
16.7840

■ 159.4310, -3.6635,  
8.3920

# Harmonies

## Analogous

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



62.7960, 0.1006, 108.0499



72.2500, -35.6193, 84.8498



83.2050, -41.0201, 43.6702

# Triad

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



72.2500, -35.6193, 84.8498



70.7260, -8.2459, -62.0267



74.2110, 63.4930, -65.0830

# Complementary

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



72.2500, -35.6193, 84.8498



96.7500, 35.6193, -84.8498

# 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.



84.0760, 58.1365, -73.7347



72.2500, -35.6193, 84.8498



78.2670, 18.1094, -68.6402

# Square

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



72.2500, -35.6193, 84.8498



61.6350, -30.3861, -54.0539



84.4230, 41.6965, -74.0390



87.5990, 42.1027, 29.2927



# Rectangle

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



72.2500, -35.6193, 84.8498



82.4420, -40.6439, 16.2754



84.4230, 41.6965, -74.0390



78.6620, 62.7776, -68.9866

# Sweetspot

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



72.2500, -35.6193, 84.8498



181.6530, -13.6329, 32.7533



65.5790, 32.7456, 90.7002



87.2430, -8.5008, 19.9579



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



72.2500, -35.6193, 84.8498



93.6570, -46.1729, 109.9258



121.5580, -59.9281, 41.6066



79.5660, -1.7580, 3.8886



63.0360, -31.0767, 74.5134



8.3280, -4.1057, 10.2363



# Inverse Universe

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



96.7500, 35.6193, -84.8498



125.3430, 46.1729, -109.9258



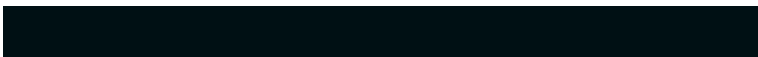
47.4420, 59.9281, -41.6066



80.4340, 1.7580, -3.8886



84.9640, 31.0767, -74.5134



11.6720, 4.1057, -10.2363



# Previews

## White Background



This preview shows how the YUV color 72.2500, -35.6193, 84.8498 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

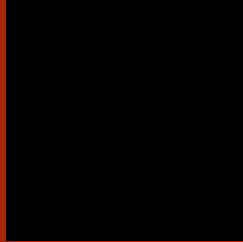
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 72.2500, -35.6193, 84.8498

## Background



This preview shows how black text looks on a background with the YUV color 72.2500, -35.6193, 84.8498.



This preview shows how white text looks on a background with the YUV color 72.2500, -35.6193,



# 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

85.3090, -32.1973, 13.7610

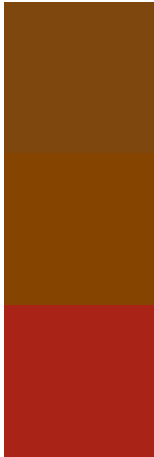
### Deuteranopia

83.6820, -41.2552, 25.7119

### Tritanopia

75.0660, -19.7525, 82.3801

# Trichromacy



## Protanomaly

80.8330, -33.4417, 39.6115

## Deuteranomaly

79.6830, -39.2837, 46.7590

## Tritanomaly

74.1710, -25.7203, 83.1650

# Monochromacy



## Achromatopsia

72.0000, 0.0000, 0.0000

## Achromatomaly

71.8700, -12.7539, 30.8090

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.2500, -35.6193, 84.8498 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(169, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 37, 0)  
}
```

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(169, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 37, 0) }
```

## Border

The CSS property to change the border of an element to YUV 72.2500, -35.6193, 84.8498 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(169, 37, 0) }
```

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

```
.border{ border-color:rgb(169, 37, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 37, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 72.2500, -35.6193, 84.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 37, 0) }
```

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

```
.background{ background-color: rgb(169, 37,  
0) }
```

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