

# Converting Colors

YUV(122.9700, -44.3552,  
86.8493)

Have a look what the booklet for  
YUV(122.9700, -44.3552, 86.8493)  
contains.

<b>YUV(122.9700, -44.3552, 86.8493)</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(122.9700, -44.3552,  
86.8493)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE5A21
RGB	222, 90, 33
RGB Percent	87%, 35%, 13%
CMY	0.1294, 0.6471, 0.8706
CMYK	0.00, 0.59, 0.85, 0.13
HSL	18°, 74%, 50%
HSV	18°, 85%, 87%
XYZ	34.0549, 22.9517, 4.0741
YIQ	122.9700, 96.9690, 10.2570

# Conversions

## Conversions Part 2

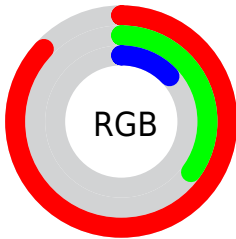
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 115, 33</a>
Decimal	<a href="#">14572065</a>
<a href="#">CIELab</a>	<a href="#">55.02, 49.00, 55.56</a>
<a href="#">CIElCh</a>	<a href="#">55, 74.076, 48.592</a>
<a href="#">Yxy</a>	<a href="#">22.9517, 0.5575, 0.3758</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292762145 (0xFFDE5A21)</a>
<a href="#">YUV</a>	<a href="#">122.9700, -44.3552, 86.8493</a>
<a href="#">Hunter-Lab</a>	<a href="#">47.9080, 43.0459, 28.4936</a>

# Details

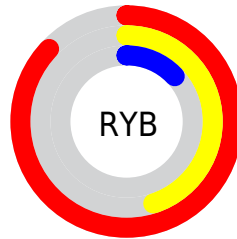
The YUV color **122.9700, -44.3552, 86.8493** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **132.0300, 44.3552, -86.8493**, and the grayscale version is **123.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.3490, -42.5701, 74.2389**, and **68.0860, -33.5664, 79.7316** is the 20% darker color. If you saturate the color by 10%, you get **111.0700, -49.3345, 97.2856**, and if you desaturate by 10%, it is **134.8700, -39.3759, 76.4130**.

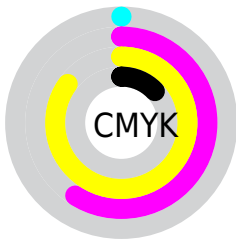
# Distribution



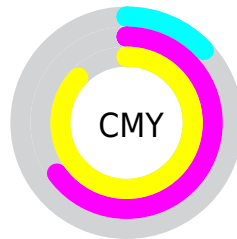
- Red (87%)
- Green (35%)
- Blue (13%)



- Red (87%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (85%)
- Black (13%)




- Cyan (13%)
- Magenta (65%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 122.9700, -44.3552, 86.8493 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 122.9700, -44.3552, 86.8493 by changing the saturation by 10% instead.





 122.9700,  
-44.3552, 86.8493


 122.9700,  
-44.3552, 86.8493


255.0000, 0.0000,  
0.0000


 94.1330, -44.9286,  
84.0754


 170.3490,  
-42.5701, 74.2389


 68.0860, -33.5664,  
79.7316


 189.6350,  
-39.7531, 57.3251


 38.2720, -18.8681,  
78.6915


 209.0350,  
-36.4993, 40.3113

 29.3020, -14.4459,  
60.2481

 229.1360,  
-33.0980, 22.6827

 20.3320, -10.0237,  
41.8048

 247.5900,  
-28.3919, 6.4986

 12.3730, -5.6069,  
25.1059

 250.7820,

 0.0000, 0.0000,

-16.1615, 3.6992

0.0000

254.0880, -3.4944,  
0.7998

122.9700,  
-44.3552, 86.8493

122.9700,  
-44.3552, 86.8493

111.0700,  
-49.3345, 97.2856

134.8700,  
-39.3759, 76.4130

105.7070,  
-52.1136, 101.9890

146.1830,  
-34.1072, 66.4915

158.1970,  
-28.6911, 55.9552

169.5100,  
-23.4224, 46.0337

181.4100,  
-18.4431, 35.5974

■ 192.7230,  
-13.1744, 25.6759

■ 204.6230, -8.1951,  
15.2396

■ 216.0500, -2.4896,  
5.2182

■ 227.9500, 2.4897,  
-5.2181

# Harmonies

## Analogous

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



118.1200, -11.3982, 109.5198



122.9700, -44.3552, 86.8493



123.9610, -61.1128, 48.2692

# Triad

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



122.9700, -44.3552, 86.8493



104.6020, -0.2968, -91.7360



120.3850, 66.3652, -52.9576

# Complementary

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



122.9700, -44.3552, 86.8493



132.0300, 44.3552, -86.8493

# 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.



115.3590, 68.8430, -101.1698



122.9700, -44.3552, 86.8493



113.4140, 28.3899, -99.4641

# Square

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



122.9700, -44.3552, 86.8493



100.3790, -32.2318, -68.7384



118.0370, 53.7188, -103.5184



134.1600, 41.3331, 42.8327



# Rectangle

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



122.9700, -44.3552, 86.8493



121.7030, -59.9996, 17.8005



118.0370, 53.7188, -103.5184



107.7280, 72.6051, -94.4775

# Sweetspot

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



122.9700, -44.3552, 86.8493



220.4740, -15.5167, 30.2793



104.5590, 29.7974, 102.9958



107.0040, -9.3690, 18.4135



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.



122.9700, -44.3552, 86.8493



121.4440, -59.8719, 117.1286



178.1480, -71.5580, 38.4582



106.0500, -2.4896, 5.2182



83.7350, -41.2814, 80.9164



23.1570, -11.4164, 21.7873

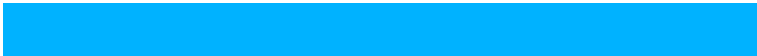


# Inverse Universe

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



132.0300, 44.3552, -86.8493



133.5560, 59.8719, -117.1286



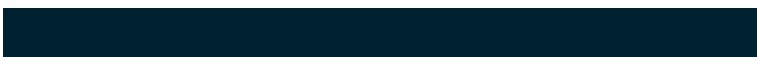
76.8520, 71.5580, -38.4582



106.9500, 2.4897, -5.2181



92.2650, 41.2814, -80.9164



25.4300, 11.1270, -22.3021



# Previews

## White Background



This preview shows how the YUV color 122.9700, -44.3552, 86.8493 looks on a white 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



# Black Background



This preview shows how the YUV color 122.9700, -44.3552, 86.8493 looks on a black 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

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

# YUV 122.9700, -44.3552, 86.8493

## Background



This preview shows how black text looks on a background with the YUV color 122.9700, -44.3552, 86.8493.



This preview shows how white text looks on a background with the YUV color 122.9700, -44.3552, 86.8493.



# 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

122.9700, -44.3552, 86.8493

### Protanopia

127.3390, -41.0861, 18.1197

### Deuteranopia

124.7900, -55.1125, 37.0182



## Tritanopia

126.5440, -18.0162, 85.4689

# Trichromacy



## Original Color

122.9700, -44.3552, 86.8493

## Protanomaly

125.5640, -42.1831, 43.3554

## Deuteranomaly

123.9370, -51.2409, 55.3063

## Tritanomaly

125.0250, -27.6203, 85.9241

# Monochromacy



## Original Color

122.9700, -44.3552, 86.8493

## Achromatopsia

123.0000, 0.0000, 0.0000

## Achromatomaly

122.9580, -16.2483, 31.6088

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 122.9700, -44.3552, 86.8493 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(222, 90, 33)` looks like.

```
.text, #text, p{  
    color:rgb(222, 90, 33)  
}
```

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(222, 90, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 90, 33) }
```

## Border

The CSS property to change the border of an element to YUV 122.9700, -44.3552, 86.8493 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(222, 90, 33) }
```



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

```
.border{ border-color:rgb(222, 90, 33) }
```

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

Here you see how a box with a 4 pixel rgb(222, 90, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 90, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 90, 33);  
box-shadow:4px 4px 4px 4px rgb(222, 90,  
33) }
```

# Background

The CSS property to change the background color of an element to YUV 122.9700, -44.3552, 86.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 90, 33) }
```

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

```
.background{ background-color: rgb(222, 90,  
33) }
```

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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