

# Converting Colors

YUV(87.3730, -35.6799,  
57.5549)

Have a look what the booklet for  
YUV(87.3730, -35.6799, 57.5549)  
contains.

<b>YUV(87.3730, -35.6799, 57.5549)</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(87.3730, -35.6799,  
57.5549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99440F
RGB	153, 68, 15
RGB Percent	60%, 27%, 6%
CMY	0.4000, 0.7333, 0.9412
CMYK	0.00, 0.56, 0.90, 0.40
HSL	23°, 82%, 33%
HSV	23°, 90%, 60%
XYZ	15.2902, 10.9410, 1.7579
YIQ	87.3730, 67.6730, 1.5370

# Conversions

## Conversions Part 2

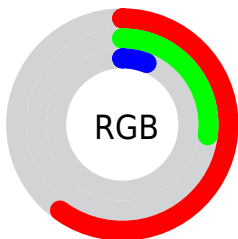
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 101, 15
Decimal	10044431
CIE <sub>Lab</sub>	39.48, 32.79, 45.11
CIE <sub>LCh</sub>	39, 55.767, 53.986
Yxy	10.9410, 0.5463, 0.3909
Android (android.graphics.Color)	4288234511 (0xFF99440F)
YUV	87.3730, -35.6799, 57.5549
Hunter-Lab	33.0772, 24.6279, 20.0031

# Details

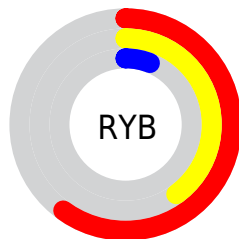
The YUV color **87.3730, -35.6799, 57.5549** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **80.6270, 35.6799, -57.5549**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.2490, -37.5908, 63.8026**, and **39.5580, -19.5021, 48.6226** is the 20% darker color. If you saturate the color by 10%, you get **80.3800, -39.6273, 63.6877**, and if you desaturate by 10%, it is **94.3660, -31.7324, 51.4220**.

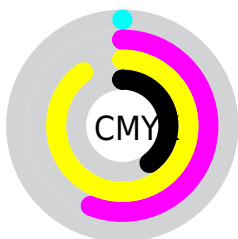
# Distribution



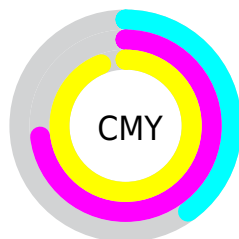
- Red (60%)
- Green (27%)
- Blue (6%)



- Red (60%)
- Yellow (40%)
- Blue (6%)



- Cyan (0%)
- Magenta (56%)
- Yellow (90%)
- Black (40%)



- Cyan (40%)
- Magenta (73%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.3730, -35.6799, 57.5549 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 87.3730, -35.6799, 57.5549 by changing the saturation by 10% instead.



87.3730, -35.6799,  
57.5549

87.3730, -35.6799,  
57.5549

254.6580, -1.3104,  
0.2999

62.9040, -31.0117,  
53.5812

140.2490,  
-37.5908, 63.8026

39.5580, -19.5021,  
48.6226

167.6300,  
-38.7646, 66.9765

19.7340, -9.7289,  
40.5753

189.6180,  
-37.2797, 57.3400

12.9710, -5.9017,  
26.3354


209.0180,  
-34.0259, 40.3262


0.0000, 0.0000,  
0.0000


228.5320,  
-30.3353, 23.2124


248.1600,


-26.2079, 5.9987

 251.3520,  
-13.9775, 3.1993


 87.3730, -35.6799,  
57.5549


 87.3730, -35.6799,  
57.5549

 80.3800, -39.6273,  
63.6877

 94.3660, -31.7324,  
51.4220

 102.0600,  
-27.6376, 44.6744

 109.0530,  
-23.6901, 38.5415

 116.6330,  
-20.0321, 31.8939

 123.6260,  
-16.0846, 25.7610

■ 131.3200,  
-11.9898, 19.0134

■ 138.3130, -8.0423,  
12.8805

■ 145.3060, -4.0949,  
6.7476

■ 153.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



84.8570, -12.7475, 75.5474



87.3730, -35.6799, 57.5549



87.8350, -43.3027, 29.0857

# Triad

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



87.3730, -35.6799, 57.5549



75.6790, 3.1163, -66.3705



90.7040, 42.5439, -19.0344

# Complementary

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



87.3730, -35.6799, 57.5549



80.6270, 35.6799, -57.5549

# 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.



80.2630, 51.1423, -70.3907



87.3730, -35.6799, 57.5549



81.0370, 23.6458, -71.0694

# Square

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



87.3730, -35.6799, 57.5549



67.9730, -16.2557, -59.6123



83.4940, 40.6755, -73.2242



94.4140, 25.9249, 38.2249



# Rectangle

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



87.3730, -35.6799, 57.5549



85.3330, -42.0692, 6.7240



83.4940, 40.6755, -73.2242



75.3610, 52.5730, -62.5836

# Sweetspot

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



87.3730, -35.6799, 57.5549



173.4730, -14.0372, 22.3872



65.9520, 16.7857, 76.3411



84.3130, -8.0423, 12.8805



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



87.3730, -35.6799, 57.5549



104.1130, -51.3277, 83.2159



127.8760, -55.6479, 22.0337



73.1530, -2.0474, 3.3738



73.5580, -36.2641, 58.2696



6.8220, -3.3632, 5.4181



# Inverse Universe

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



80.6270, 35.6799, -57.5549



94.8870, 51.3277, -83.2159



40.1240, 55.6479, -22.0337



72.8470, 2.0474, -3.3738



66.4420, 36.2641, -58.2696



6.1780, 3.3632, -5.4181



# Previews

## White Background



This preview shows how the YUV color 87.3730, -35.6799, 57.5549 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 87.3730, -35.6799, 57.5549 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 87.3730, -35.6799, 57.5549

## Background



This preview shows how black text looks on a background with the YUV color 87.3730, -35.6799, 57.5549.



This preview shows how white text looks on a background with the YUV color 87.3730, -35.6799,



# 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

87.3730, -35.6799, 57.5549

### Protanopia

89.0810, -33.0709, 13.9610

### Deuteranopia

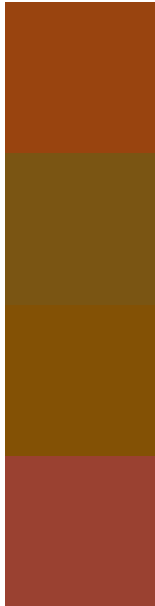
87.8240, -43.2972, 27.3414



## Tritanopia

91.0780, -11.3775, 56.0596

# Trichromacy



## Original Color

87.3730, -35.6799, 57.5549

## Protanomaly

88.5390, -34.2827, 29.3453

## Deuteranomaly

87.2860, -40.5670, 38.3372

## Tritanomaly

89.7870, -20.1080, 56.3148

# Monochromacy



## Original Color

87.3730, -35.6799, 57.5549

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.1030, -12.8688, 20.9577

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.3730, -35.6799, 57.5549 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(153, 68, 15)` looks like.

```
.text, #text, p{  
    color:rgb(153, 68, 15)  
}
```

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(153, 68, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 68, 15) }
```

## Border

The CSS property to change the border of an element to YUV 87.3730, -35.6799, 57.5549 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(153, 68, 15) }
```



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

```
.border{ border-color:rgb(153, 68, 15) }
```

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

Here you see how a box with a 4 pixel rgb(153, 68, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 68, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 68, 15);  
box-shadow:4px 4px 4px 4px rgb(153, 68,  
15) }
```

# Background

The CSS property to change the background color of an element to YUV 87.3730, -35.6799, 57.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 68, 15) }
```

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

```
.background{ background-color: rgb(153, 68,  
15) }
```

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