

# Converting Colors

YUV(117.6720, -42.7293,  
31.8597)

Have a look what the booklet for  
YUV(117.6720, -42.7293, 31.8597)  
contains.

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# Color

**YUV(117.6720, -42.7293,  
31.8597)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A741F
RGB	154, 116, 31
RGB Percent	60%, 45%, 12%
CMY	0.3961, 0.5451, 0.8784
CMYK	0.00, 0.25, 0.80, 0.40
HSL	41°, 66%, 36%
HSV	41°, 80%, 60%
XYZ	19.8191, 19.4597, 4.0078
YIQ	117.6720, 49.9330, -18.3790

# Conversions

## Conversions Part 2

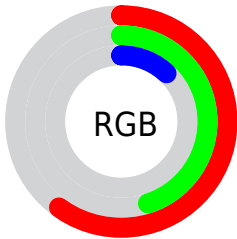
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 154, 31
Decimal	10122271
CIELab	51.22, 6.75, 49.37
CIELCh	51, 49.828, 82.213
Yxy	19.4597, 0.4579, 0.4496
Android (android.graphics.Color)	4288312351 (0xFF9A741F)
YUV	117.6720, -42.7293, 31.8597
Hunter-Lab	44.1132, 2.9983, 25.4925

# Details

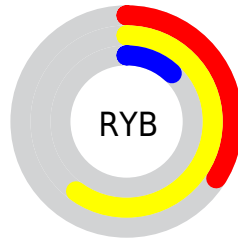
The YUV color **117.6720, -42.7293, 31.8597** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **67.3280, 42.7293, -31.8597**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.3520, -44.0505, 35.6483**, and **69.5170, -34.2719, 25.8566** is the 20% darker color. If you saturate the color by 10%, you get **113.0270, -47.8343, 35.9333**, and if you desaturate by 10%, it is **122.3170, -37.6243, 27.7860**.

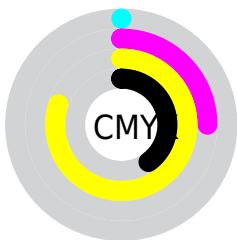
# Distribution



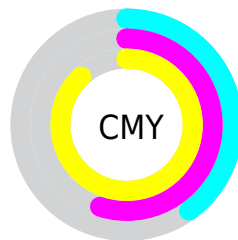
- Red (60%)
- Green (45%)
- Blue (12%)



- Red (34%)
- Yellow (60%)
- Blue (12%)



- Cyan (0%)
- Magenta (25%)
- Yellow (80%)
- Black (40%)



- Cyan (40%)
- Magenta (55%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 117.6720, -42.7293, 31.8597 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 117.6720, -42.7293, 31.8597 by changing the saturation by 10% instead.



■ 117.6720,  
-42.7293, 31.8597

■ 117.6720,  
-42.7293, 31.8597

■ 255.0000, 0.0000,  
0.0000

■ 91.6780, -45.1973,  
30.1004

■ 171.3520,  
-44.0505, 35.6483

■ 69.5170, -34.2719,  
25.8566

■ 199.1350,  
-44.9296, 37.5926

■ 48.5300, -23.9253,  
20.5832

■ 222.5360,  
-43.1552, 28.4709

■ 29.0160, -14.3049,  
14.8950

■ 242.0500,  
-39.4646, 11.3572

■ 6.2790, -3.0955,  
12.9103

■ 247.4760,  
-28.8287, 6.5985

■ 0.0000, 0.0000,  
0.0000

■ 250.6680,

-16.5983, 3.7992

253.9740, -3.9312,  
0.8998

117.6720,  
-42.7293, 31.8597

117.6720,  
-42.7293, 31.8597

113.0270,  
-47.8343, 35.9333

122.3170,  
-37.6243, 27.7860

108.2680,  
-53.3761, 40.1070

127.0760,  
-32.0825, 23.6123

131.1340,  
-26.6881, 20.0535

135.8930,  
-21.1462, 15.8798

140.5380,  
-16.0412, 11.8062

■ 145.1830,  
-10.9362, 7.7325

■ 149.3550, -5.1050,  
4.0737

■ 154.0000, 0.0000,  
0.0000

■ 158.7590, 5.5418,  
-4.1736

# Harmonies

## Analogous

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



119.3990, -31.7487, 56.6551



117.6720, -42.7293, 31.8597



113.9130, -38.4111, 0.0763

# Triad

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



117.6720, -42.7293, 31.8597



100.7960, 25.7366, -88.3981



125.6260, 24.3414, 32.7770

# Complementary

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



117.6720, -42.7293, 31.8597



67.3280, 42.7293, -31.8597

# 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.



121.2160, 39.3335, -15.9754



117.6720, -42.7293, 31.8597



103.1390, 42.3295, -90.4529

# Square

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



117.6720, -42.7293, 31.8597



95.7800, 6.5175, -83.9991



99.7940, 52.3596, -87.5193



122.7040, 6.0619, 62.5266



# Rectangle

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



117.6720, -42.7293, 31.8597



109.7340, -26.9839, -25.1997



99.7940, 52.3596, -87.5193



125.5040, 29.3315, 18.8520

# Sweetspot

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



117.6720, -42.7293, 31.8597



187.3100, -16.9148, 12.0061



72.2230, -1.0959, 71.7184



93.2970, -10.4994, 7.6325



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



117.6720, -42.7293, 31.8597



144.3650, -67.2279, 49.6689



133.1010, -50.3358, -1.8426



74.3270, -2.6262, 2.3442



98.7990, -48.7079, 36.1333



9.1700, -4.5208, 3.3589



# Inverse Universe

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



67.3280, 42.7293, -31.8597



65.2220, 66.9386, -50.1837



51.8990, 50.3358, 1.8426



71.0860, 2.9156, -1.8294



41.2010, 48.7079, -36.1333



3.8300, 4.5208, -3.3589



# Previews

## White Background



This preview shows how the YUV color 117.6720, -42.7293, 31.8597 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 117.6720, -42.7293, 31.8597 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 117.6720, -42.7293, 31.8597

## Background



This preview shows how black text looks on a background with the YUV color 117.6720, -42.7293, 31.8597.



This preview shows how white text looks on a background with the YUV color 117.6720, -42.7293, 31.8597.



# 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

117.6720, -42.7293, 31.8597

### Protanopia

116.9260, -41.3755, 17.6049

### Deuteranopia

117.6720, -42.7293, 31.8597



## Tritanopia

124.1610, -4.0234, 30.5538

# Trichromacy



## Original Color

117.6720, -42.7293, 31.8597

## Protanomaly

116.8450, -41.8286, 22.9379

## Deuteranomaly

117.6720, -42.7293, 31.8597

## Tritanomaly

121.7900, -18.1375, 30.8792

# Monochromacy



## Original Color

117.6720, -42.7293, 31.8597

## Achromatopsia

118.0000, 0.0000, 0.0000

## Achromatomaly

117.6520, -15.6044, 11.7062

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.6720, -42.7293, 31.8597 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(154, 116, 31)` looks like.

```
.text, #text, p{  
    color:rgb(154, 116, 31)  
}
```

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(154, 116, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 116, 31) }
```

## Border

The CSS property to change the border of an element to YUV 117.6720, -42.7293, 31.8597 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(154, 116, 31) }
```



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

```
.border{ border-color:rgb(154, 116, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 116, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 116, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 116, 31);  
box-shadow:4px 4px 4px 4px rgb(154, 116,  
31) }
```

# Background

The CSS property to change the background color of an element to YUV 117.6720, -42.7293, 31.8597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 116, 31) }
```

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

```
.background{ background-color: rgb(154,  
116, 31) }
```

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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