

# Converting Colors

YUV(69.6700, 0.1627, -52.3306)

Have a look what the booklet for  
YUV(69.6700, 0.1627, -52.3306)  
contains.

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# Color

**YUV(69.6700, 0.1627,  
-52.3306)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0A6446
RGB	10, 100, 70
RGB Percent	4%, 39%, 27%
CMY	0.9608, 0.6078, 0.7255
CMYK	0.90, 0.00, 0.30, 0.61
HSL	160°, 82%, 22%
HSV	160°, 90%, 39%
XYZ	5.7878, 9.6211, 7.3464
YIQ	69.6700, -44.0100, -28.4100

# Conversions

## Conversions Part 2

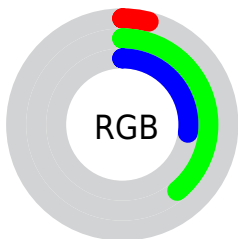
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 64, 100
Decimal	681030
CIE <sub>Lab</sub>	37.15, -32.40, 10.22
CIE <sub>LCh</sub>	37, 33.974, 162.487
Yxy	9.6211, 0.2544, 0.4228
Android (android.graphics.Color)	4278871110 (0xFF0A6446)
YUV	69.6700, 0.1627, -52.3306
Hunter-Lab	31.0178, -20.9737, 7.6701

# Details

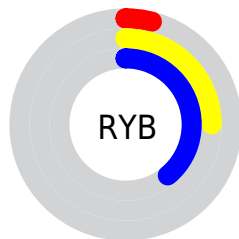
The YUV color **69.6700, 0.1627, -52.3306** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **40.3300, -0.1627, 52.3306**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.5030, -3.2060, -45.1681**, and **33.6020, -3.2548, -29.4690** is the 20% darker color. If you saturate the color by 10%, you get **66.3380, 0.3264, -58.1784**, and if you desaturate by 10%, it is **73.0020, -0.0010, -46.4828**.

# Distribution



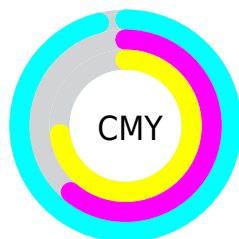
- Red (4%)
- Green (39%)
- Blue (27%)



- Red (4%)
- Yellow (25%)
- Blue (39%)



- Cyan (90%)
- Magenta (0%)
- Yellow (30%)
- Black (61%)



- Cyan (96%)
- Magenta (61%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 69.6700, 0.1627, -52.3306 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 69.6700, 0.1627, -52.3306 by changing the saturation by 10% instead.



■ 69.6700, 0.1627,  
-52.3306

■ 69.6700, 0.1627,  
-52.3306

■ 255.0000, 0.0000,  
0.0000

■ 50.0840, -1.0274,  
-43.9237

■ 124.5030, -3.2060,  
-45.1681

■ 33.6020, -3.2548,  
-29.4690

■ 151.3890, -3.6428,  
-45.0682

■ 19.3710, -9.5499,  
-16.9884

■ 178.3890, -3.6428,  
-45.0682

■ 0.0000, 0.0000,  
0.0000

■ 206.8620, -4.3690,  
-45.4830

■ 229.8670, -1.9064,  
-41.9794

■ 241.8440, 6.4859,

-27.0502

250.5150, 2.2111,  
-9.2217

69.6700, 0.1627,  
-52.3306

69.6700, 0.1627,  
-52.3306

66.3380, 0.3264,  
-58.1784

73.0020, -0.0010,  
-46.4828

76.4480, 0.2721,  
-40.7349

79.7800, 0.1085,  
-34.8871

83.1120, -0.0552,  
-29.0392

86.5580, 0.2179,  
-23.2914

■ 89.8900, 0.0542,  
-17.4435

■ 93.2220, -0.1094,  
-11.5957

■ 96.6680, 0.1637,  
-5.8478

■ 100.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



80.0200, -17.2649, -15.8035



69.6700, 0.1627, -52.3306



70.4590, 13.5777, -61.7925

# Triad

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



69.6700, 0.1627, -52.3306



84.4960, 27.8565, -21.4830



86.7850, -17.1490, 40.5306

# Complementary

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



69.6700, 0.1627, -52.3306



40.3300, -0.1627, 52.3306

# 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.



87.6080, -5.2297, 44.1938



69.6700, 0.1627, -52.3306



90.3000, 18.5861, 12.0149

# Square

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



69.6700, 0.1627, -52.3306



71.6110, 33.2228, -62.8028



89.2830, 7.7485, 34.8318



85.5200, -25.3994, 26.7310



# Rectangle

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



69.6700, 0.1627, -52.3306



71.9240, 21.7295, -63.0773



89.2830, 7.7485, 34.8318



86.8330, -13.2287, 43.1195

# Sweetspot

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



69.6700, 0.1627, -52.3306



118.1670, -0.0823, -20.3175



71.8000, -30.4674, -27.8886



58.9230, 0.0380, -12.2105



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



69.6700, 0.1627, -52.3306



86.2280, 0.3806, -75.6220



64.2850, 17.6075, -47.6079



49.2770, -0.1366, -2.8739



76.2830, 0.3535, -66.9002



160.5220, 0.7287, -140.7778



# Inverse Universe

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



40.3300, -0.1627, 52.3306



43.7720, -0.3806, 75.6220



45.7150, -17.6075, 47.6079



47.7230, 0.1366, 2.8739



38.7170, -0.3535, 66.9002



81.5920, -0.2919, 140.6778



# Previews

## White Background



This preview shows how the YUV color 69.6700, 0.1627, -52.3306 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 69.6700, 0.1627, -52.3306 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 69.6700, 0.1627, -52.3306**

## **Background**



This preview shows how black text looks on a background with the YUV color 69.6700, 0.1627, -52.3306.



This preview shows how white text looks on a background with the YUV color 69.6700, 0.1627, -52.3306.



# 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

69.6700, 0.1627, -52.3306

### Protanopia

86.4710, -11.0782, 6.6029

### Deuteranopia

87.6440, -6.7265, 10.8362



## Tritanopia

78.6730, 12.4862, -38.3012

# Trichromacy



## Original Color

69.6700, 0.1627, -52.3306

## Protanomaly

80.3650, -7.0819, -15.2291

## Deuteranomaly

81.1850, -4.0352, -12.4402

## Tritanomaly

75.2010, 8.2819, -43.1493

# Monochromacy



## Original Color

69.6700, 0.1627, -52.3306

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

69.8790, 0.0597, -19.1879

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 69.6700, 0.1627, -52.3306 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(10, 100, 70)` looks like.

```
.text, #text, p{  
    color:rgb(10, 100, 70)  
}
```

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(10, 100, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 100, 70) }
```

## Border

The CSS property to change the border of an element to YUV 69.6700, 0.1627, -52.3306 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(10, 100, 70) }
```



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

```
.border{ border-color:rgb(10, 100, 70) }
```

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

Here you see how a box with a 4 pixel rgb(10, 100, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 100, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 100, 70);  
box-shadow:4px 4px 4px 4px rgb(10, 100,  
70) }
```

# Background

The CSS property to change the background color of an element to YUV 69.6700, 0.1627, -52.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 100, 70) }
```

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

```
.background{ background-color: rgb(10, 100,  
70) }
```

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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