

# Converting Colors

YUV(86.9700, 32.0598,  
-63.1177)

Have a look what the booklet for  
YUV(86.9700, 32.0598, -63.1177)  
contains.

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# Color

**YUV(86.9700, 32.0598,  
-63.1177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0F6F98
RGB	15, 111, 152
RGB Percent	6%, 44%, 60%
CMY	0.9412, 0.5647, 0.4039
CMYK	0.90, 0.27, 0.00, 0.40
HSL	198°, 82%, 33%
HSV	198°, 90%, 60%
XYZ	11.5489, 13.7374, 31.7487
YIQ	86.9700, -70.3770, -7.6010

# Conversions

## Conversions Part 2

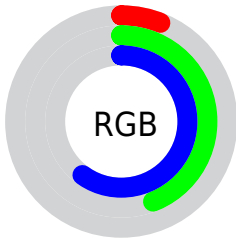
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 71, 152
Decimal	1011608
CIE <sub>Lab</sub>	43.85, -10.34, -29.43
CIE <sub>LCh</sub>	44, 31.191, 250.636
Yxy	13.7374, 0.2025, 0.2409
Android (android.graphics.Color)	4279201688 (0xFF0F6F98)
YUV	86.9700, 32.0598, -63.1177
Hunter-Lab	37.0640, -9.2425, -24.8423

# Details

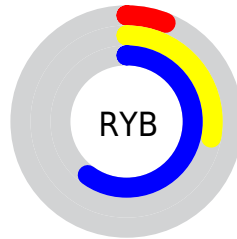
The YUV color **86.9700, 32.0598, -63.1177** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **80.0300, -32.0598, 63.1177**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.7760, 29.6904, -49.7926**, and **48.4950, 25.8850, -42.5301** is the 20% darker color. If you saturate the color by 10%, you get **80.1370, 35.4285, -70.2801**, and if you desaturate by 10%, it is **94.3900, 28.4017, -56.4700**.

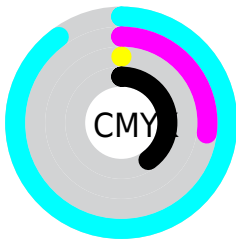
# Distribution



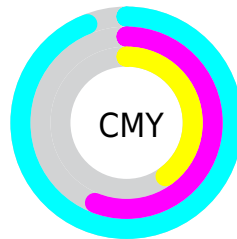
- Red (6%)
- Green (44%)
- Blue (60%)



- Red (6%)
- Yellow (28%)
- Blue (60%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (56%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.9700, 32.0598, -63.1177 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 86.9700, 32.0598, -63.1177 by changing the saturation by 10% instead.



86.9700, 32.0598,  
-63.1177

86.9700, 32.0598,  
-63.1177

255.0000, 0.0000,  
0.0000

65.4330, 29.8595,  
-57.3847

145.7760, 29.6904,  
-49.7926

48.4950, 25.8850,  
-42.5301

173.6020, 30.2692,  
-48.7630

33.4320, 21.4790,  
-29.3199

200.4020, 26.9168,  
-46.8336

19.0700, 17.2205,  
-16.7244

226.0960, 14.2497,  
-43.9342

4.8220, 13.3988,  
-4.2289

240.0500, 7.3704,  
-30.7388

0.4560, 1.7472,  
-0.3999

248.7210, 3.0955,

0.0000, 0.0000,

-12.9103

0.0000

■ 86.9700, 32.0598,  
-63.1177

■ 86.9700, 32.0598,  
-63.1177

■ 80.1370, 35.4285,  
-70.2801

■ 94.3900, 28.4017,  
-56.4700

■ 101.2230, 25.0331,  
-49.3076

■ 108.9420, 21.2276,  
-42.0451

■ 115.7750, 17.8589,  
-34.8827

■ 123.1950, 14.2009,  
-28.2350

■ 130.0280, 10.8322,  
-21.0726

■ 137.4480, 7.1741,  
-14.4249

■ 144.5800, 3.6581,  
-6.6477

■ 152.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



83.7100, 26.2720, -73.4137



86.9700, 32.0598, -63.1177



101.6380, 25.8145, -19.8535

# Triad

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



86.9700, 32.0598, -63.1177



105.2980, -5.0769, 41.8347



97.7430, -17.1283, -12.9296

# Complementary

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



86.9700, 32.0598, -63.1177



80.0300, -32.0598, 63.1177

# 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.



100.6380, -24.4715, 9.0875



86.9700, 32.0598, -63.1177



103.7140, -16.1280, 39.7158

# Square

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



86.9700, 32.0598, -63.1177



106.4460, 7.1751, 32.0579



102.6880, -23.5102, 27.4606



91.9490, -2.9329, -39.4203



# Rectangle

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



86.9700, 32.0598, -63.1177



105.8040, 20.8026, 1.0489



102.6880, -23.5102, 27.4606



98.9890, -20.2076, -5.2524

# Sweetspot

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



86.9700, 32.0598, -63.1177



170.7610, 12.4428, -24.3464



99.8650, -22.6114, -74.4266



84.4480, 7.1741, -14.4249



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.



86.9700, 32.0598, -63.1177



103.3500, 45.6765, -90.6379



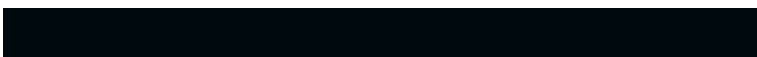
48.2280, 51.1596, -29.1410



72.8470, 2.0474, -3.3738



73.4860, 32.7914, -64.4472



6.7650, 3.0739, -5.9329



# Inverse Universe

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



66.9070, 21.7378, 74.6266



74.3360, 31.3864, 106.6993



118.7720, -51.1596, 29.1410



71.9620, 1.0047, 4.4183



53.0320, 22.1692, 76.2709



4.9130, 2.0149, 7.0923



# Previews

## White Background



This preview shows how the YUV color 86.9700, 32.0598, -63.1177 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 86.9700, 32.0598, -63.1177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

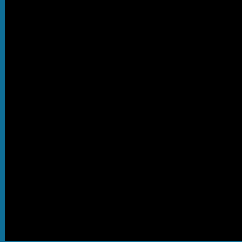
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.9700, 32.0598, -63.1177

## Background



This preview shows how black text looks on a background with the YUV color 86.9700, 32.0598, -63.1177.



This preview shows how white text looks on a background with the YUV color 86.9700, 32.0598,



# 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

86.9700, 32.0598, -63.1177

### Protanopia

103.3140, 20.5512, -11.6764

### Deuteranopia

102.2360, 25.5197, -18.6240



## Tritanopia

81.6410, 20.8830, -71.5992

# Trichromacy



## Original Color

86.9700, 32.0598, -63.1177

## Protanomaly

97.3440, 24.9734, -30.1197

## Deuteranomaly

96.7070, 27.7524, -34.8230

## Tritanomaly

83.6890, 24.8033, -69.0103

# Monochromacy



## Original Color

86.9700, 32.0598, -63.1177

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.2450, 11.7112, -23.0169

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.9700, 32.0598, -63.1177 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(15, 111, 152)` looks like.

```
.text, #text, p{  
    color:rgb(15, 111, 152)  
}
```

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(15, 111, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 111, 152) }
```

## Border

The CSS property to change the border of an element to YUV 86.9700, 32.0598, -63.1177 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(15, 111, 152) }
```



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

```
.border{ border-color:rgb(15, 111, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 111, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 111, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 111, 152);  
box-shadow:4px 4px 4px 4px rgb(15, 111,  
152) }
```

# Background

The CSS property to change the background color of an element to YUV 86.9700, 32.0598, -63.1177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 111, 152) }
```

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

```
.background{ background-color: rgb(15, 111,  
152) }
```

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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