

# Converting Colors

YUV(34.3420, 34.8344,  
-19.5939)

Have a look what the booklet for  
YUV(34.3420, 34.8344, -19.5939)  
contains.

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# Color

**YUV(34.3420, 34.8344,  
-19.5939)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C2069
RGB	12, 32, 105
RGB Percent	5%, 13%, 41%
CMY	0.9529, 0.8745, 0.5882
CMYK	0.89, 0.70, 0.00, 0.59
HSL	227°, 79%, 23%
HSV	227°, 89%, 41%
XYZ	3.2179, 2.1311, 13.6063
YIQ	34.3420, -35.3530, 18.4630

# Conversions

## Conversions Part 2

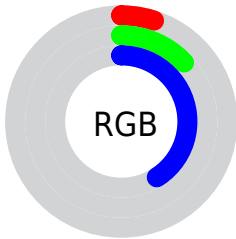
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	12, 28, 105
Decimal	794729
CIE Lab	16.16, 23.13, -44.54
CIE LCh	16, 50.187, 297.441
Yxy	2.1311, 0.1698, 0.1124
Android (android.graphics.Color)	4278984809 (0xFF0C2069)
YUV	34.3420, 34.8344, -19.5939
Hunter-Lab	14.5983, 13.8000, -45.0424

# Details

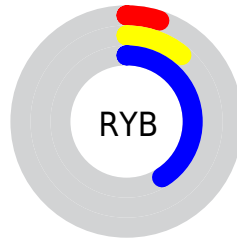
The YUV color **34.3420, 34.8344, -19.5939** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **82.6580, -34.8344, 19.5939**, and the grayscale version is **34.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.9350, 35.5280, -8.7130**, and **6.4980, 24.8975, -5.6987** is the 20% darker color. If you saturate the color by 10%, you get **26.6560, 38.6236, -21.6233**, and if you desaturate by 10%, it is **42.3270, 30.8978, -16.9498**.

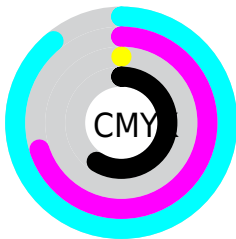
# Distribution



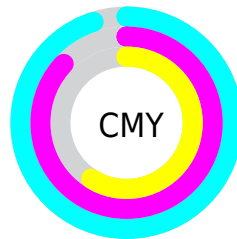
- Red (5%)
- Green (13%)
- Blue (41%)



- Red (5%)
- Yellow (11%)
- Blue (41%)



- Cyan (89%)
- Magenta (70%)
- Yellow (0%)
- Black (59%)



- Cyan (95%)
- Magenta (87%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 34.3420, 34.8344, -19.5939 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 34.3420, 34.8344, -19.5939 by changing the saturation by 10% instead.



■ 34.3420, 34.8344,  
-19.5939

■ 34.3420, 34.8344,  
-19.5939

■ 255.0000, 0.0000,  
0.0000

■ 16.1640, 31.4711,  
-14.1758

■ 84.9350, 35.5280,  
-8.7130

■ 6.4980, 24.8975,  
-5.6987

■ 110.1740, 36.3962,  
-7.1686

■ 5.0500, 14.2723,  
-4.4289

■ 136.4130, 37.2644,  
-5.6242

■ 0.9120, 3.4944,  
-0.7998

■ 163.0540, 38.4274,  
-5.3094

■ 0.0000, 0.0000,  
0.0000

■ 188.5830, 32.7436,  
-2.2653

■ 213.3910, 20.5132,

0.5341

238.4980, 8.1355,  
3.9483

34.3420, 34.8344,  
-19.5939

34.3420, 34.8344,  
-19.5939

26.6560, 38.6236,  
-21.6233

42.3270, 30.8978,  
-16.9498

25.4710, 39.2078,  
-22.3381

50.0130, 27.1086,  
-14.9204

58.2860, 23.0300,  
-13.4058

66.2710, 19.0934,  
-10.7617

74.2560, 15.1568,  
-8.1175

■ 81.9420, 11.3676,  
-6.0881

■ 90.5140, 7.1416,  
-3.9588

■ 98.2000, 3.3524,  
-1.9294

■ 105.8860, -0.4368,  
0.1000

# Harmonies

## Analogous

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



40.4710, 35.7568, -35.4931



34.3420, 34.8344, -19.5939



32.0290, 23.1567, 39.4396

# Triad

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



34.3420, 34.8344, -19.5939



35.0730, -17.2910, 39.4010



35.2150, 0.3870, -30.8836

# Complementary

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



34.3420, 34.8344, -19.5939



82.6580, -34.8344, 19.5939

# 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.



29.9370, -14.7589, -26.2547



34.3420, 34.8344, -19.5939



38.1530, -18.8094, 13.0208

# Square

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



34.3420, 34.8344, -19.5939



29.3880, -11.5303, 58.4187



32.3730, -15.9599, -14.3591



40.0200, 16.2591, -35.0975



# Rectangle

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



34.3420, 34.8344, -19.5939



34.3050, 11.1886, 51.4755



32.3730, -15.9599, -14.3591



33.7330, -5.2914, -29.5838

# Sweetspot

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



34.3420, 34.8344, -19.5939



109.9140, 13.8464, -7.8176



74.9130, 4.9729, -55.1747



52.4430, 8.1626, -4.7735



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



34.3420, 34.8344, -19.5939



33.3420, 51.5964, -29.2409



30.3760, 36.7896, 6.6862



49.2710, 2.3314, -1.1147



28.0130, 43.8706, -24.5674



59.0410, 91.6778, -51.7790



# Inverse Universe

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



42.0870, -4.9729, 55.1747



44.6820, -7.2382, 81.8399



86.6240, -36.7896, -6.6862



49.9080, -0.4476, 3.5887



37.8330, -6.3267, 69.4295

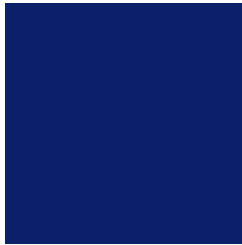


79.2970, -12.9644, 145.3215



# Previews

## White Background



This preview shows how the YUV color 34.3420, 34.8344, -19.5939 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 34.3420, 34.8344, -19.5939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

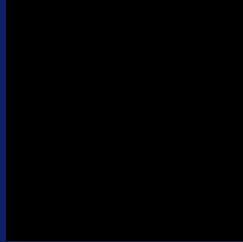
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 34.3420, 34.8344, -19.5939

## Background



This preview shows how black text looks on a background with the YUV color 34.3420, 34.8344, -19.5939.



This preview shows how white text looks on a background with the YUV color 34.3420, 34.8344,



# 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

34.3420, 34.8344, -19.5939

### Protanopia

32.3550, 24.9680, -28.3753

### Tritanopia

31.8870, 7.9437, -27.9649

# Trichromacy



## Original Color

34.3420, 34.8344, -19.5939

## Protanomaly

32.7020, 28.7409, -25.1717

## Tritanomaly

32.5420, 17.9738, -25.0313

# Monochromacy



## Original Color

34.3420, 34.8344, -19.5939

## Achromatopsia

34.0000, 0.0000, 0.0000

## Achromatomaly

33.9850, 12.8254, -7.0028

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 34.3420, 34.8344, -19.5939 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(12, 32, 105)` looks like.

```
.text, #text, p{  
    color:rgb(12, 32, 105)  
}
```

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(12, 32, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 32, 105) }
```

## Border

The CSS property to change the border of an element to YUV 34.3420, 34.8344, -19.5939 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(12, 32, 105) }
```

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

```
.border{ border-color:rgb(12, 32, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 32, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 32, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 32, 105);  
box-shadow:4px 4px 4px 4px rgb(12, 32,  
105) }
```



# Background

The CSS property to change the background color of an element to YUV 34.3420, 34.8344, -19.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 32, 105) }
```

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

```
.background{ background-color: rgb(12, 32,  
105) }
```

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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