

# Converting Colors

YUV(45.2070, 36.3799, -1.9355)

Have a look what the booklet for  
YUV(45.2070, 36.3799, -1.9355)  
contains.

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# Color

**YUV(45.2070, 36.3799,  
-1.9355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B2077
RGB	43, 32, 119
RGB Percent	17%, 13%, 47%
CMY	0.8314, 0.8745, 0.5333
CMYK	0.64, 0.73, 0.00, 0.53
HSL	248°, 58%, 30%
HSV	248°, 73%, 47%
XYZ	4.8425, 2.8785, 17.7531
YIQ	45.2070, -21.3710, 29.3890

# Conversions

## Conversions Part 2

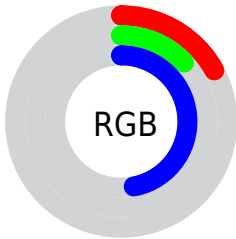
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 32, 119
Decimal	2826359
CIE <sub>Lab</sub>	19.55, 32.12, -47.97
CIE <sub>LCh</sub>	20, 57.731, 303.810
Yxy	2.8785, 0.1901, 0.1130
Android (android.graphics.Color)	4281016439 (0xFF2B2077)
YUV	45.2070, 36.3799, -1.9355
Hunter-Lab	16.9662, 21.2571, -50.1636

# Details

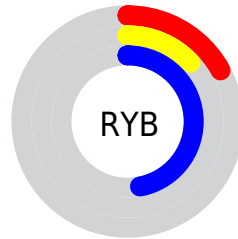
The YUV color **45.2070, 36.3799, -1.9355** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **105.7930, -36.3799, 1.9355**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.6960, 38.1109, 2.8976**, and **7.9800, 30.5759, -6.9985** is the 20% darker color. If you saturate the color by 10%, you get **35.1730, 41.3267, -1.9057**, and if you desaturate by 10%, it is **55.2410, 31.4332, -1.9654**.

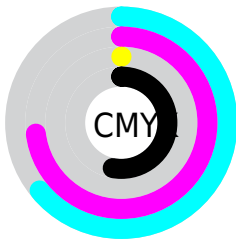
# Distribution



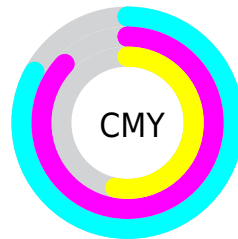
- Red (17%)
- Green (13%)
- Blue (47%)



- Red (17%)
- Yellow (13%)
- Blue (47%)



- Cyan (64%)
- Magenta (73%)
- Yellow (0%)
- Black (53%)



- Cyan (83%)
- Magenta (87%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.2070, 36.3799, -1.9355 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 45.2070, 36.3799, -1.9355 by changing the saturation by 10% instead.



■ 45.2070, 36.3799,  
-1.9355

■ 45.2070, 36.3799,  
-1.9355

■ 255.0000, 0.0000,  
0.0000

■ 18.6680, 37.1387,  
-11.9868

■ 94.6960, 38.1109,  
2.8976

■ 7.9800, 30.5759,  
-6.9985

■ 120.3480, 39.2684,  
4.9568

■ 7.5920, 18.9351,  
-6.6582

■ 146.2880, 40.2840,  
5.8864

■ 3.3230, 10.1938,  
-2.9143

■ 173.0000, 40.4260,  
7.0160

■ 0.0000, 0.0000,  
0.0000

■ 197.5200, 28.3376,  
10.9450

■ 222.6270, 15.9599,

14.3591

243.8470, 5.4984,  
9.7812

45.2070, 36.3799,  
-1.9355

45.2070, 36.3799,  
-1.9355

35.1730, 41.3267,  
-1.9057

55.2410, 31.4332,  
-1.9654

24.8400, 46.4209,  
-2.4907

65.5740, 26.3390,  
-1.3804

18.0510, 49.7679,  
-2.6757

75.6080, 21.3923,  
-1.4102

85.9410, 16.2981,  
-0.8253

95.9750, 11.3513,  
-0.8551

■ 105.4220, 6.6940,  
-0.3701

■ 115.7550, 1.5998,  
0.2149

■ 125.7890, -3.3470,  
0.1850

■ 136.1220, -8.4411,  
0.7700

# Harmonies

## Analogous

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



45.8000, 43.4826, -40.1666



45.2070, 36.3799, -1.9355



39.2910, 22.5345, 52.3648

# Triad

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



45.2070, 36.3799, -1.9355



42.4490, -20.9274, 39.0712



42.9090, 4.4819, -37.6312

# Complementary

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



45.2070, 36.3799, -1.9355



105.7930, -36.3799, 1.9355

# 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.



36.0350, -16.7793, -31.6027



45.2070, 36.3799, -1.9355



44.6210, -21.9982, 9.1024

# Square

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



45.2070, 36.3799, -1.9355



32.8900, -16.2148, 67.6255



33.4590, -16.4953, -29.3435



47.6970, 22.8274, -41.8303



# Rectangle

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



45.2070, 36.3799, -1.9355



40.3990, 8.6773, 63.6711



33.4590, -16.4953, -29.3435



40.6120, -1.7807, -35.6167

# Sweetspot

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



45.2070, 36.3799, -1.9355



126.4850, 14.5509, -0.4253



87.1170, 15.7183, -48.3376



61.2910, 8.7305, -0.2552



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



45.2070, 36.3799, -1.9355



39.7010, 57.3354, -3.2458



58.0640, 30.0414, 24.4999



53.9830, 2.4734, 0.0149



18.3930, 51.0783, -2.9757



38.0680, 104.4825, -5.3216



# Inverse Universe

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



66.6770, 20.3722, 45.8873



73.5290, 31.7842, 72.3271



92.9360, -30.0414, -24.4999



55.3640, 1.2995, 3.1888



48.6760, 28.7537, 64.3051



99.6020, 58.3702, 131.8990



# Previews

## White Background



This preview shows how the YUV color 45.2070, 36.3799, -1.9355 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 45.2070, 36.3799, -1.9355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

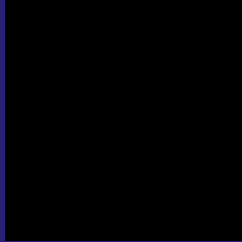
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 45.2070, 36.3799, -1.9355

## Background



This preview shows how black text looks on a background with the YUV color 45.2070, 36.3799, -1.9355.



This preview shows how white text looks on a background with the YUV color 45.2070, 36.3799, -1.9355.

-1.9355.

# 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

45.2070, 36.3799, -1.9355

### Protanopia

38.0600, 29.0574, -33.3786

### Deuteranopia

38.2250, 22.0741, -33.5233



## Tritanopia

37.6090, 9.5598, -32.9831

# Trichromacy



## Original Color

45.2070, 36.3799, -1.9355

## Protanomaly

40.8210, 31.6402, -21.7680

## Deuteranomaly

40.9690, 27.1303, -21.8978

## Tritanomaly

40.3190, 19.5627, -21.3278

# Monochromacy



## Original Color

45.2070, 36.3799, -1.9355

## Achromatopsia

45.0000, 0.0000, 0.0000

## Achromatomaly

44.8440, 13.3879, -0.7402

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.2070, 36.3799, -1.9355 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(43, 32, 119)` looks like.

```
.text, #text, p{  
    color:rgb(43, 32, 119)  
}
```

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(43, 32, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 32, 119) }
```

## Border

The CSS property to change the border of an element to YUV 45.2070, 36.3799, -1.9355 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(43, 32, 119) }
```



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

```
.border{ border-color:rgb(43, 32, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 32, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 32, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 32, 119);  
box-shadow:4px 4px 4px 4px rgb(43, 32,  
119) }
```

# Background

The CSS property to change the background color of an element to YUV 45.2070, 36.3799, -1.9355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 32, 119) }
```

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

```
.background{ background-color: rgb(43, 32,  
119) }
```

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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