

# Converting Colors

YUV(49.6640, 16.4346, 2.0487)

Have a look what the booklet for  
YUV(49.6640, 16.4346, 2.0487)  
contains.

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# Color

**YUV(49.6640, 16.4346,  
2.0487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	342A53
RGB	52, 42, 83
RGB Percent	20%, 16%, 33%
CMY	0.7961, 0.8353, 0.6745
CMYK	0.37, 0.49, 0.00, 0.67
HSL	255°, 33%, 25%
HSV	255°, 49%, 33%
XYZ	3.8055, 3.0105, 8.5641
YIQ	49.6640, -7.2010, 14.8710

# Conversions

## Conversions Part 2

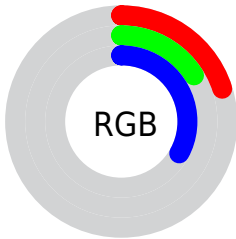
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 42, 83
Decimal	3418707
CIE <sub>Lab</sub>	20.09, 15.51, -23.47
CIE <sub>LCh</sub>	20, 28.134, 303.451
Yxy	3.0105, 0.2474, 0.1957
Android (android.graphics.Color)	4281608787 (0xFF342A53)
YUV	49.6640, 16.4346, 2.0487
Hunter-Lab	17.3509, 8.7854, -17.1191

# Details

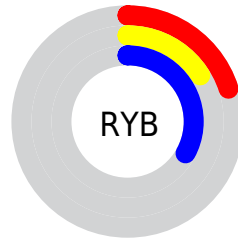
The YUV color **49.6640, 16.4346, 2.0487** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **75.3360, -16.4346, -2.0487**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.1310, 18.1764, 3.3931**, and **7.6210, 14.9768, 2.9634** is the 20% darker color. If you saturate the color by 10%, you get **43.1740, 19.6342, 2.4784**, and if you desaturate by 10%, it is **56.1540, 13.2351, 1.6189**.

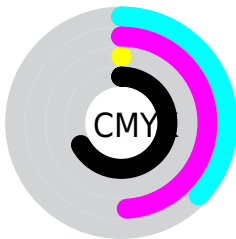
# Distribution



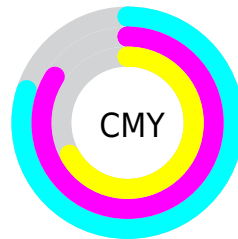
- Red (20%)
- Green (16%)
- Blue (33%)



- Red (20%)
- Yellow (16%)
- Blue (33%)



- Cyan (37%)
- Magenta (49%)
- Yellow (0%)
- Black (67%)



- Cyan (80%)
- Magenta (84%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.6640, 16.4346, 2.0487 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 49.6640, 16.4346, 2.0487 by changing the saturation by 10% instead.



■ 49.6640, 16.4346,  
2.0487

■ 49.6640, 16.4346,  
2.0487

■ 255.0000, 0.0000,  
0.0000

■ 27.8380, 15.8559,  
1.0191

■ 96.1310, 18.1764,  
3.3931

■ 7.6210, 14.9768,  
2.9634

■ 121.5440, 18.4658,  
3.9079

■ 2.2970, 6.2626,  
-2.0145

■ 147.0710, 19.1920,  
4.3227

■ 0.0000, 0.0000,  
0.0000

■ 174.1850, 19.6288,  
4.2228

■ 201.5980, 19.9182,  
4.7376

■ 227.8880, 13.3662,

6.2372

250.3040, 2.3151,  
4.1184

49.6640, 16.4346,  
2.0487

49.6640, 16.4346,  
2.0487

43.1740, 19.6342,  
2.4784

56.1540, 13.2351,  
1.6189

35.7980, 23.2706,  
2.8082

63.5300, 9.5987,  
1.2892

29.3080, 26.4702,  
3.2379

70.0200, 6.3991,  
0.8595

22.8180, 29.6697,  
3.6676

76.5100, 3.1996,  
0.4297

15.7410, 33.1587,  
4.6121

83.5870, -0.2894,  
-0.5148

■ 15.4420, 33.3061,  
3.9974

■ 90.3760, -3.6364,  
-0.3298

■ 96.8660, -6.8359,  
-0.7595

■ 103.3560,  
-10.0355, -1.1892

■ 110.4330,  
-13.5245, -2.1337

# Harmonies

## Analogous

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



39.6100, 24.8423, -34.7380



49.6640, 16.4346, 2.0487



49.4340, 8.6600, 22.4214

# Triad

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



49.6640, 16.4346, 2.0487



46.9200, -18.6946, 22.8722



39.7460, 5.0552, -34.8572

# Complementary

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



49.6640, 16.4346, 2.0487



75.3360, -16.4346, -2.0487

# 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.



36.7650, -3.8281, -32.2429



49.6640, 16.4346, 2.0487



45.3330, -21.8562, 10.2320

# Square

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



49.6640, 16.4346, 2.0487



46.9780, -9.8492, 32.4683



43.7160, -16.1290, -6.7669



42.1400, 14.2280, -36.9568



# Rectangle

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



49.6640, 16.4346, 2.0487



47.9960, 2.9600, 30.6985



43.7160, -16.1290, -6.7669



38.9480, 1.9976, -34.1574

# Sweetspot

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



49.6640, 16.4346, 2.0487



94.0200, 6.3991, 0.8595



64.8710, 8.9376, -20.0579



45.7380, 4.0732, 0.2298



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



49.6640, 16.4346, 2.0487



55.6670, 25.3072, 2.9230



55.6440, 13.4865, 14.3442



37.7550, 1.5998, 0.2149



19.7440, 42.0312, 5.4865



43.4910, 92.9349, 11.8474



# Inverse Universe

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



57.7930, 7.4971, 22.1065



68.3090, 11.6797, 33.9320



69.3560, -13.4865, -14.3442



38.5380, 0.7208, 2.1592



40.4010, 19.0293, 56.6533



89.3180, 42.2412, 125.1321



# Previews

## White Background



This preview shows how the YUV color 49.6640, 16.4346, 2.0487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

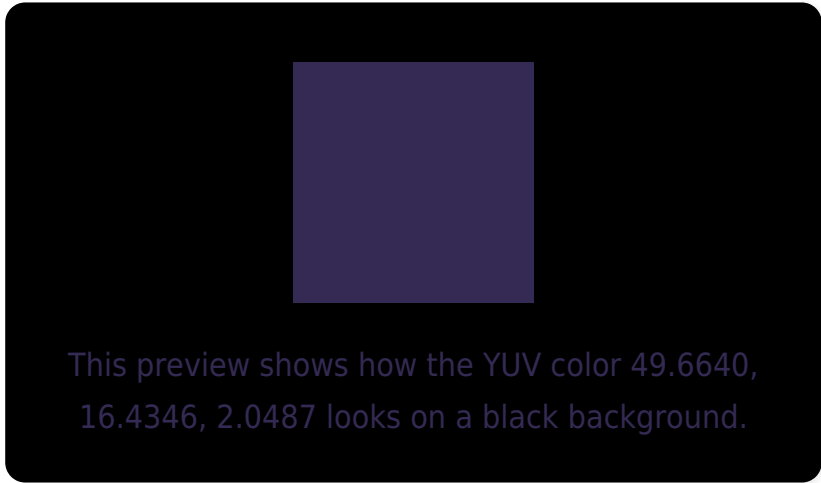
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## 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 49.6640, 16.4346, 2.0487

## Background



This preview shows how black text looks on a background with the YUV color 49.6640, 16.4346, 2.0487.



This preview shows how white text looks on a background with the YUV color 49.6640, 16.4346,



# 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

49.6640, 16.4346, 2.0487

### Protanopia

46.2920, 20.5620, -15.1651

### Deuteranopia

45.7710, 17.3679, -17.3392



## Tritanopia

48.2600, 2.3368, -2.8590

# Trichromacy



## Original Color

49.6640, 16.4346, 2.0487

## Protanomaly

47.2820, 19.0880, -9.0173

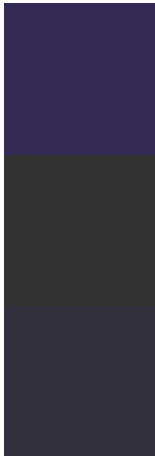
## Deuteranomaly

46.8150, 17.3462, -10.3618

## Tritanomaly

48.6500, 7.5676, -0.5700

# Monochromacy



## Original Color

49.6640, 16.4346, 2.0487

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

49.9060, 5.9623, 0.9594

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.6640, 16.4346, 2.0487 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(52, 42, 83)` looks like.

```
.text, #text, p{  
    color:rgb(52, 42, 83)  
}
```

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(52, 42, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 42, 83) }
```

## Border

The CSS property to change the border of an element to YUV 49.6640, 16.4346, 2.0487 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(52, 42, 83) }
```



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

```
.border{ border-color:rgb(52, 42, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 42, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 42, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 42, 83);  
box-shadow:4px 4px 4px 4px rgb(52, 42, 83)  
}
```

# Background

The CSS property to change the background color of an element to YUV 49.6640, 16.4346, 2.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 42, 83) }
```

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

```
.background{ background-color: rgb(52, 42,  
83) }
```

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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