

# Converting Colors

YUV(42.8420, 3.0359, 6.2776)

Have a look what the booklet for  
YUV(42.8420, 3.0359, 6.2776)  
contains.

<b>YUV(42.8420, 3.0359, 6.2776)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(42.8420, 3.0359,  
6.2776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	322631
RGB	50, 38, 49
RGB Percent	20%, 15%, 19%
CMY	0.8039, 0.8510, 0.8078
CMYK	0.00, 0.24, 0.02, 0.80
HSL	305°, 14%, 17%
HSV	305°, 24%, 20%
XYZ	2.5629, 2.2861, 3.2119
YIQ	42.8420, 3.6210, 5.9650

# Conversions

## Conversions Part 2

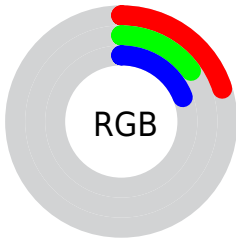
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	50, 38, 49
Decimal	3286577
CIE Lab	16.92, 8.03, -5.03
CIE LCh	17, 9.476, 327.909
Yxy	2.2861, 0.3179, 0.2836
Android (android.graphics.Color)	4281476657 (0xFF322631)
YUV	42.8420, 3.0359, 6.2776
Hunter-Lab	15.1198, 3.7970, -2.0111

# Details

The YUV color **42.8420, 3.0359, 6.2776** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.1580, -3.0359, -6.2776**, and the grayscale version is **43.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.2550, 3.3253, 6.7924**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.9070, 4.4828, 8.8516**, and if you desaturate by 10%, it is **45.7770, 1.5889, 3.7036**.

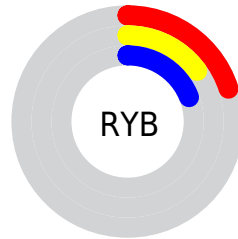
# Distribution



 Red (20%)

 Green (15%)

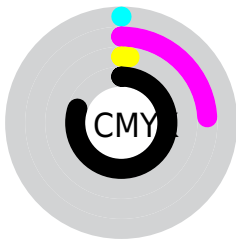
 Blue (19%)



 Red (20%)

 Yellow (15%)

 Blue (19%)

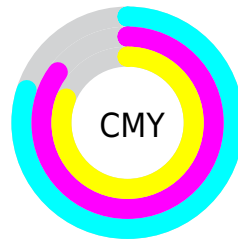


 Cyan (0%)


 Magenta (24%)

 Yellow (2%)

 Black (80%)



 Cyan (80%)

 Magenta (85%)

 Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.8420, 3.0359, 6.2776 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 42.8420, 3.0359, 6.2776 by changing the saturation by 10% instead.



■ 42.8420, 3.0359,  
6.2776

■ 42.8420, 3.0359,  
6.2776

■ 255.0000, 0.0000,  
0.0000

■ 22.4290, 2.7465,  
5.7628

■ 88.2550, 3.3253,  
6.7924

■ 0.0000, 0.0000,  
0.0000

■ 112.6680, 3.6147,  
7.3072

■ 137.9670, 3.4673,  
7.9219

■ 164.3800, 3.7567,  
8.4367

■ 191.3800, 3.7567,  
8.4367

■ 219.3800, 3.7567,

8.4367

246.7820, 4.0515,  
7.2072

42.8420, 3.0359,  
6.2776

42.8420, 3.0359,  
6.2776

39.9070, 4.4828,  
8.8516

45.7770, 1.5889,  
3.7036

36.8580, 5.4930,  
11.5255

48.8260, 0.5788,  
1.0296

33.9230, 6.9400,  
14.0995

51.7610, -0.8682,  
-1.5444

30.8740, 7.9501,  
16.7735

54.8100, -1.8783,  
-4.2184

27.9390, 9.3971,  
19.3475

57.7450, -3.3253,  
-6.7924

■ 25.0040, 10.8440,  
21.9215

■ 60.6800, -4.7722,  
-9.3664

■ 21.9550, 11.8542,  
24.5955

■ 63.7290, -5.7824,  
-12.0403

■ 20.1940, 12.7224,  
26.1399

■ 66.6640, -7.2294,  
-14.6143

■ 69.7130, -8.2395,  
-17.2883

# Harmonies

## Analogous

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



42.1940, 5.8204, -0.1701



42.8420, 3.0359, 6.2776



42.9520, -0.4693, 10.5661

# Triad

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



42.8420, 3.0359, 6.2776



41.3120, -6.5628, 4.9884



38.4650, 4.7008, -14.4398

# Complementary

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



42.8420, 3.0359, 6.2776



45.1580, -3.0359, -6.2776

# 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.



39.1510, 0.9116, -12.4104



42.8420, 3.0359, 6.2776



40.6210, -5.2362, -0.5446

# Square

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



42.8420, 3.0359, 6.2776



42.1600, -5.9949, 9.5067



39.8590, -2.8885, -6.8923



39.3450, 6.7319, -12.5806



# Rectangle

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



42.8420, 3.0359, 6.2776



42.7950, -2.3639, 11.5808



39.8590, -2.8885, -6.8923



38.8240, 3.5378, -14.7546

# Sweetspot

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



42.8420, 3.0359, 6.2776



60.9510, 1.0102, 2.6740



39.6670, 5.0942, -0.5850



31.2390, 0.8682, 1.5444



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



# Same Dimension

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



42.8420, 3.0359, 6.2776



52.6190, 4.6248, 9.9811



42.1580, 0.4151, 6.8774



24.1250, 0.4314, 1.6444



35.9590, 22.6982, 46.5170



87.5690, 54.9355, 113.5110



# Inverse Universe

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



42.8420, 3.0359, 6.2776



52.6190, 4.6248, 9.9811



45.8420, -0.4151, -6.8774



24.1250, 0.4314, 1.6444



35.9590, 22.6982, 46.5170

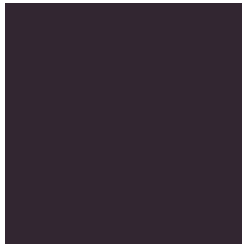


87.5690, 54.9355, 113.5110



# Previews

## White Background



This preview shows how the YUV color 42.8420, 3.0359, 6.2776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

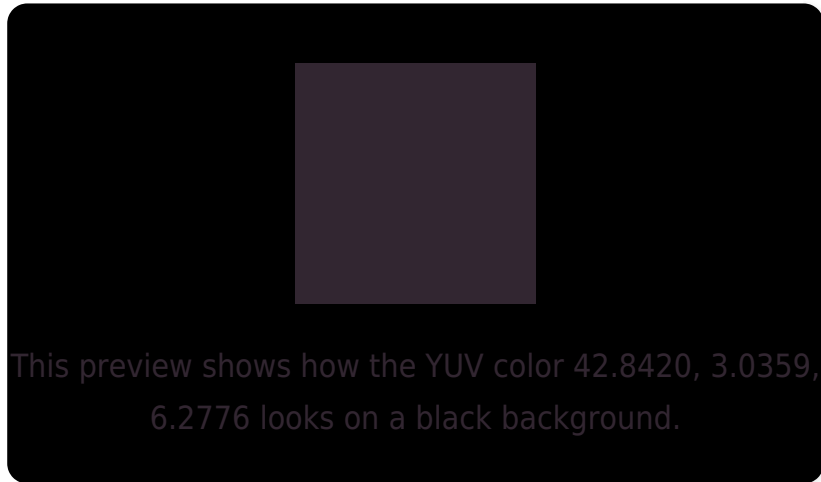
Any Text WCAG AA ✓ Pass

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

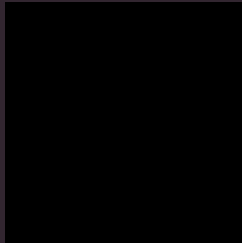
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 42.8420, 3.0359, 6.2776

## Background



This preview shows how black text looks on a background with the YUV color 42.8420, 3.0359, 6.2776.



This preview shows how white text looks on a background with the YUV color 42.8420, 3.0359,



# 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

42.8420, 3.0359, 6.2776

### Protanopia

41.8410, 4.5154, -1.6146

### Deuteranopia

42.3960, 2.7628, 0.5297



## Tritanopia

42.3320, -0.1637, 5.8478

# Trichromacy



## Original Color

42.8420, 3.0359, 6.2776

## Protanomaly

42.3360, 3.7784, 1.4593

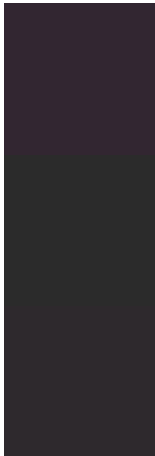
## Deuteranomaly

42.7060, 2.6099, 2.8888

## Tritanomaly

42.6740, 1.1467, 5.5479

# Monochromacy



## Original Color

42.8420, 3.0359, 6.2776

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

42.9510, 1.0102, 2.6740

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.8420, 3.0359, 6.2776 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(50, 38, 49)` looks like.

```
.text, #text, p{  
    color:rgb(50, 38, 49)  
}
```

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(50, 38, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 38, 49) }
```

## Border

The CSS property to change the border of an element to YUV 42.8420, 3.0359, 6.2776 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(50, 38, 49) }
```



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

```
.border{ border-color:rgb(50, 38, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 38, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 38, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 38, 49);  
box-shadow:4px 4px 4px 4px rgb(50, 38, 49)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.8420, 3.0359, 6.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 38, 49) }
```

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

```
.background{ background-color: rgb(50, 38,  
49) }
```

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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