

# Converting Colors

YUV(42.4220, 6.6940, -0.3701)

Have a look what the booklet for  
YUV(42.4220, 6.6940, -0.3701)  
contains.

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# Color

**YUV(42.4220, 6.6940,  
-0.3701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2838
RGB	42, 40, 56
RGB Percent	16%, 16%, 22%
CMY	0.8353, 0.8431, 0.7804
CMYK	0.25, 0.29, 0.00, 0.78
HSL	248°, 17%, 19%
HSV	248°, 29%, 22%
XYZ	2.4274, 2.2953, 4.0565
YIQ	42.4220, -3.9440, 5.4000

# Conversions

## Conversions Part 2

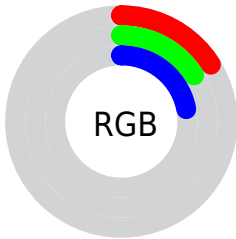
Format	Color
<b>RYB</b>	42, 40, 56
Decimal	2762808
CIELab	16.97, 5.15, -9.96
CIELCh	17, 11.210, 297.334
Yxy	2.2953, 0.2765, 0.2615
Android (android.graphics.Color)	4280952888 (0xFF2A2838)
YUV	42.4220, 6.6940, -0.3701
Hunter-Lab	15.1504, 2.0866, -5.2695

# Details

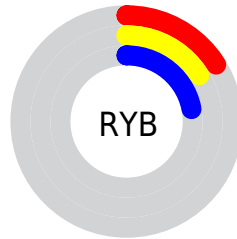
The YUV color **42.4220, 6.6940, -0.3701** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **53.5780, -6.6940, 0.3701**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.9490, 7.4201, 0.0447**, and **1.2540, 4.8048, -1.0998** is the 20% darker color. If you saturate the color by 10%, you get **37.4050, 9.1673, -0.3552**, and if you desaturate by 10%, it is **47.4390, 4.2206, -0.3850**.

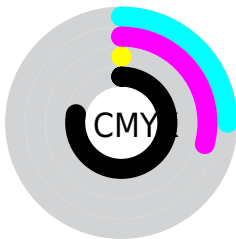
# Distribution



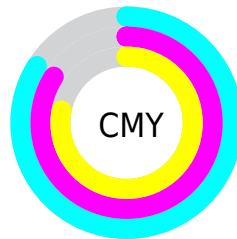
- Red (16%)
- Green (16%)
- Blue (22%)



- Red (16%)
- Yellow (16%)
- Blue (22%)



- Cyan (25%)
- Magenta (29%)
- Yellow (0%)
- Black (78%)



- Cyan (84%)
- Magenta (84%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.4220, 6.6940, -0.3701 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 42.4220, 6.6940, -0.3701 by changing the saturation by 10% instead.



■ 42.4220, 6.6940,  
-0.3701

■ 42.4220, 6.6940,  
-0.3701

■ 255.0000, 0.0000,  
0.0000

■ 22.0090, 6.4046,  
-0.8849

■ 87.9490, 7.4201,  
0.0447

■ 1.2540, 4.8048,  
-1.0998

■ 112.0630, 7.8569,  
-0.0553

■ 0.0000, 0.0000,  
0.0000

■ 138.0630, 7.8569,  
-0.0553

■ 164.1770, 8.2937,  
-0.1552

■ 191.1770, 8.2937,  
-0.1552

■ 218.7040, 9.0199,

0.2596

246.1510, 4.3626,  
0.7446

42.4220, 6.6940,  
-0.3701

42.4220, 6.6940,  
-0.3701

37.4050, 9.1673,  
-0.3552

47.4390, 4.2206,  
-0.3850

32.9750, 11.3513,  
-0.8551

51.8690, 2.0366,  
0.1149

27.9580, 13.8247,  
-0.8402

56.8860, -0.4368,  
0.1000

23.5280, 16.0087,  
-1.3401

61.3160, -2.6208,  
0.5999

18.8100, 18.3347,  
-0.7104

66.3330, -5.0942,  
0.5850

■ 13.7930, 20.8081,  
-0.6955

■ 71.0510, -7.4201,  
-0.0447

■ 9.3630, 22.9920,  
-1.1954

■ 75.4810, -9.6041,  
0.4552

■ 8.4770, 23.4288,  
-1.2953

■ 80.4980, -12.0775,  
0.4403

■ 84.9280, -14.2615,  
0.9401

# Harmonies

## Analogous

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



40.8230, 8.4683, -9.4918



42.4220, 6.6940, -0.3701



42.7820, 4.0515, 7.2072

# Triad

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



42.4220, 6.6940, -0.3701



42.0570, -6.4371, 11.3510



38.2540, 1.3538, -14.2548

# Complementary

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



42.4220, 6.6940, -0.3701



53.5780, -6.6940, 0.3701

# 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.



39.4460, -3.1779, -7.4071



42.4220, 6.6940, -0.3701



41.3830, -7.5838, 5.8031

# Square

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



42.4220, 6.6940, -0.3701



42.4640, -3.6798, 13.6251



40.8660, -6.8359, -0.7595



37.6710, 5.5852, -18.1285



# Rectangle

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



42.4220, 6.6940, -0.3701



43.1200, 1.4198, 11.2958



40.8660, -6.8359, -0.7595



38.5100, -0.2514, -12.7253

# Sweetspot

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



42.4220, 6.6940, -0.3701



68.0970, 2.9102, -0.0851



50.0420, 2.9373, -8.8068



34.7550, 1.5998, 0.2149



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



42.4220, 6.6940, -0.3701



52.7470, 10.4777, -0.6551



44.8140, 5.5147, 4.5481



25.6410, 1.1630, 0.3148



13.7770, 38.5639, -2.4354



33.0390, 91.6788, -5.2962



# Inverse Universe

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



46.3800, 3.7567, 8.4367



58.9830, 5.9244, 13.1699



51.1860, -5.5147, -4.5481



26.2390, 0.8682, 1.5444



36.6280, 21.3824, 48.5612

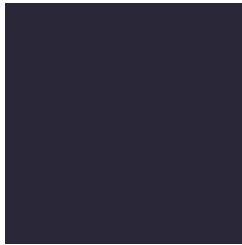


87.3690, 51.5831, 115.4404



# Previews

## White Background



This preview shows how the YUV color 42.4220, 6.6940, -0.3701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

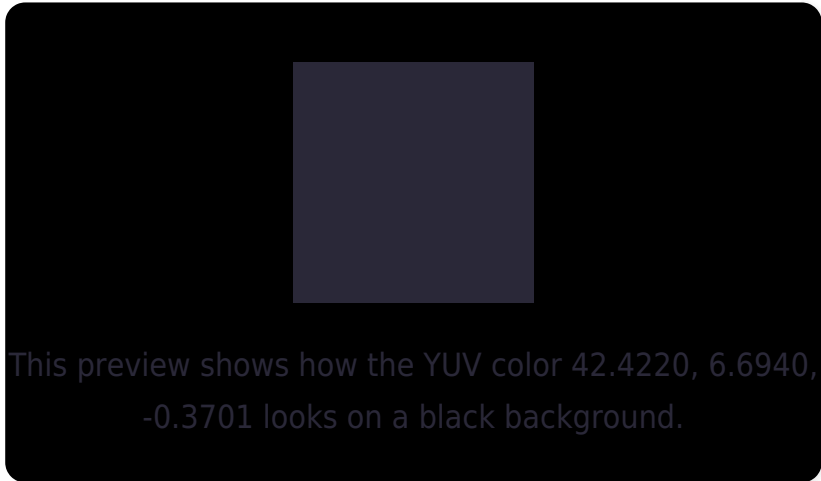
Any Text WCAG AA ✓ Pass

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

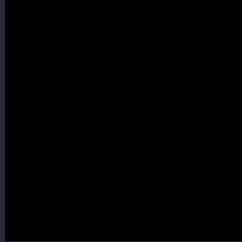
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 42.4220, 6.6940, -0.3701**

## **Background**



This preview shows how black text looks on a background with the YUV color 42.4220, 6.6940, -0.3701.



This preview shows how white text looks on a background with the YUV color 42.4220, 6.6940,

-0.3701.

# 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

42.4220, 6.6940, -0.3701

### Protanopia

41.6280, 7.5784, -4.0588

### Deuteranopia

41.8130, 6.9942, -3.3440



## Tritanopia

41.7440, 1.6052, -1.5295

# Trichromacy



## Original Color

42.4220, 6.6940, -0.3701

## Protanomaly

42.2260, 7.2836, -2.8292

## Deuteranomaly

42.1120, 6.8468, -2.7292

## Tritanomaly

41.9120, 3.4944, -0.7998

# Monochromacy



## Original Color

42.4220, 6.6940, -0.3701

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.9830, 2.4734, 0.0149

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.4220, 6.6940, -0.3701 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(42, 40, 56)` looks like.

```
.text, #text, p{  
    color:rgb(42, 40, 56)  
}
```

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(42, 40, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 40, 56) }
```

## Border

The CSS property to change the border of an element to YUV 42.4220, 6.6940, -0.3701 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(42, 40, 56) }
```



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

```
.border{ border-color:rgb(42, 40, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 40, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 40, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 40, 56);  
box-shadow:4px 4px 4px 4px rgb(42, 40, 56)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.4220, 6.6940, -0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 40, 56) }
```

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

```
.background{ background-color: rgb(42, 40,  
56) }
```

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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