

# Converting Colors

YUV(43.0000, 0.0000, 0.0000)

Have a look what the booklet for  
YUV(43.0000, 0.0000, 0.0000)  
contains.

<b>YUV(43.0000, 0.0000, 0.0000)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	13
<b><i>Color Blindness Simulation</i></b> .....	17
<b><i>CSS Examples</i></b> .....	20

# Color

**YUV(43.0000, 0.0000,  
0.0000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B2B2B
RGB	43, 43, 43
RGB Percent	17%, 17%, 17%
CMY	0.8314, 0.8314, 0.8314
CMYK	0.00, 0.00, 0.00, 0.83
HSL	0°, 0%, 17%
HSV	0°, 0%, 17%
XYZ	2.2962, 2.4158, 2.6308
YIQ	43.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 43, 43
Decimal	2829099
CIE <sub>Lab</sub>	17.53, 0.00, -0.00
CIE <sub>LCh</sub>	18, 0.003, 296.813
Yxy	2.4158, 0.3127, 0.3290
Android (android.graphics.Color)	4281019179 (0xFF2B2B2B)
YUV	43.0000, 0.0000, 0.0000
Hunter-Lab	15.5427, -0.8293, 0.8445

# Details

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

A 20% lighter version of the original color is  $88.0000, 0.0000, 0.0000$ , and  $0.0000, 0.0000, 0.0000$  is the 20% darker color. If you saturate the color by 10%, you get  $40.1960, -0.5896, 2.4591$ , and if you desaturate by 10%, it is  $45.8040, 0.5896, -2.4591$ .

# Distribution



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



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (83%)



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

# Brightness & Saturation Gradients

These gradients show how the YUV color 43.0000, 0.0000, 0.0000 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 43.0000, 0.0000, 0.0000 by changing the saturation by 10% instead.



■ 43.0000, 0.0000,  
0.0000

■ 43.0000, 0.0000,  
0.0000

■ 65.0000, 0.0000,  
0.0000

■ 23.0000, 0.0000,  
0.0000

■ 88.0000, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 113.0000, 0.0000,  
0.0000

■ 138.0000, 0.0000,  
0.0000

■ 164.0000, 0.0000,  
0.0000

■ 192.0000, 0.0000,  
0.0000

■ 219.0000, 0.0000,  
0.0000

■ 248.0000, 0.0000,  
0.0000

■ 255.0000, 0.0000,  
0.0000

■ 43.0000, 0.0000,  
0.0000

■ 40.1960, -0.5896,  
2.4591

■ 36.6910, -1.3267,  
5.5330

■ 33.8870, -1.9163,  
7.9921

■ 31.0830, -2.5059,  
10.4512

■ 28.2790, -3.0955,  
12.9103

■ 24.7740, -3.8326,  
15.9842

■ 21.9700, -4.4222,  
18.4433

■ 19.1660, -5.0118,  
20.9024

■ 15.6610, -5.7489,  
23.9763

■ 43.0000, 0.0000,  
0.0000

■ 45.8040, 0.5896,  
-2.4591

■ 49.3090, 1.3267,  
-5.5330

■ 52.1130, 1.9163,  
-7.9921

■ 54.9170, 2.5059,  
-10.4512

■ 58.4220, 3.2430,  
-13.5251

■ 61.2260, 3.8326,  
-15.9842

■ 64.0300, 4.4222,  
-18.4433

■ 66.8340, 5.0118,  
-20.9024

■ 70.3390, 5.7489,  
-23.9763

# Harmonies

# Sweetspot

The sweet spot groups the original color and five complimentary colors.



43.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



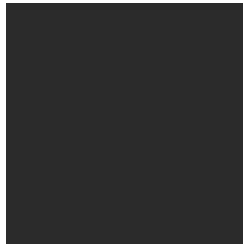
28.0000, 0.0000, 0.0000



156.0000, 0.0000, 0.0000

# Previews

## White Background



This preview shows how the YUV color 43.0000, 0.0000, 0.0000 looks on a white background.

## Color Contrast Check

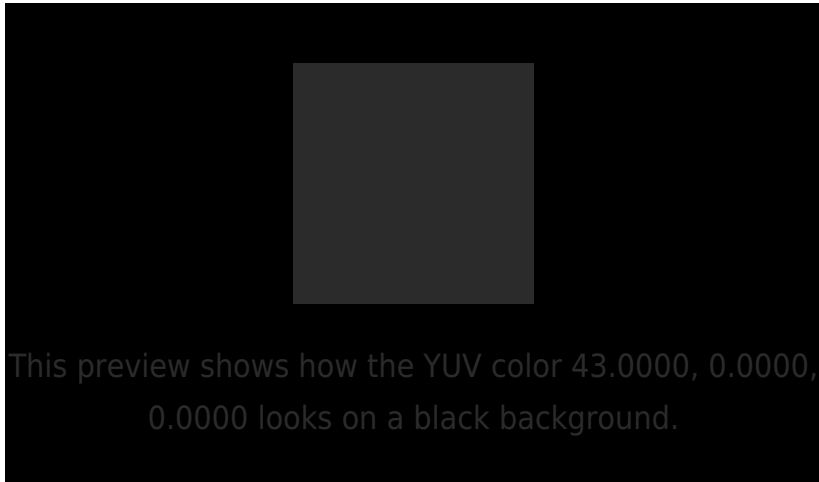
Large Text (above 18pt) WCAG AA ✓ Pass

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

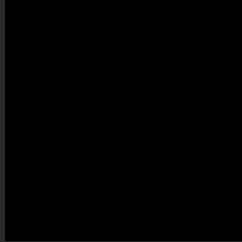
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 43.0000, 0.0000, 0.0000

## Background



This preview shows how black text looks on a background with the YUV color 43.0000, 0.0000, 0.0000.



This preview shows how white text looks on a background with the YUV color 43.0000, 0.0000,

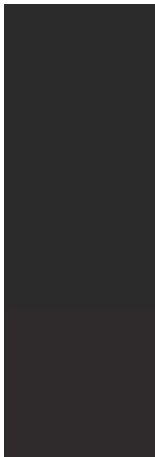
0.0000.



# 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

43.0000, 0.0000, 0.0000

### Protanopia

43.2990, -0.1474, 0.6148

### Deuteranopia

43.6090, -0.3002, 2.9739



**Tritanopia**

43.3420, 1.3104, -0.2999

# Trichromacy



## Original Color

43.0000, 0.0000, 0.0000

## Protanomaly

43.2990, -0.1474, 0.6148

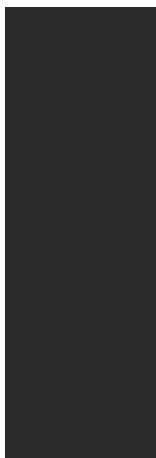
## Deuteranomaly

43.3100, -0.1528, 2.3591

## Tritanomaly

43.2280, 0.8736, -0.2000

# Monochromacy



## Original Color

43.0000, 0.0000, 0.0000

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

43.0000, 0.0000, 0.0000

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 43.0000, 0.0000, 0.0000 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, 43, 43)` looks like.

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

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, 43, 43) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to YUV 43.0000, 0.0000, 0.0000 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, 43, 43) }
```

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

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

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

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

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

# Background

The CSS property to change the background color of an element to YUV 43.0000, 0.0000, 0.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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](#).

Hey! You found this booklet interesting? Have a look at my other booklet **HOWCOLORS.WORK – A CSS color notation guide.**



## **HOWCOLORS.WORK**

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