

Converting Colors

YUV(51.0000, 0.0000, 0.0000)

Have a look what the booklet for
YUV(51.0000, 0.0000, 0.0000)
contains.

YUV(51.0000, 0.0000, 0.0000)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	16
<i>Color Blindness Simulation</i>	20
<i>CSS Examples</i>	23

Color

**YUV(51.0000, 0.0000,
0.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	333333
RGB	51, 51, 51
RGB Percent	20%, 20%, 20%
CMY	0.8000, 0.8000, 0.8000
CMYK	0.00, 0.00, 0.00, 0.80
HSL	0°, 0%, 20%
HSV	0°, 0%, 20%
XYZ	3.1466, 3.3105, 3.6051
YIQ	51.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
R_{YB}	51, 51, 51
Decimal	3355443
CIE Lab	21.25, 0.00, -0.00
CIE LCh	21, 0.004, 296.813
Yxy	3.3105, 0.3127, 0.3290
Android (android.graphics.Color)	4281545523 (0xFF333333)
YUV	51.0000, 0.0000, 0.0000
Hunter-Lab	18.1947, -0.9708, 0.9886

Details

The YUV color **51.0000, 0.0000, 0.0000** is a dark color, and the websafe version is hex **333333**, and the color name is [dark charcoal](#). A complement of this color would be **51.0000, 0.0000, 0.0000**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.0000, 0.0000, 0.0000**, and **5.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **47.4950, -0.7370, 3.0739**, and if you desaturate by 10%, it is **54.5050, 0.7370, -3.0739**.

Distribution



Red (20%)

Green (20%)

Blue (20%)



Red (20%)

Yellow (20%)

Blue (20%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (80%)



Cyan (80%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YUV color 51.0000, 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 51.0000, 0.0000, 0.0000 by changing the saturation by 10% instead.

■ 51.0000, 0.0000,
0.0000

■ 51.0000, 0.0000,
0.0000

■ 255.0000, 0.0000,
0.0000

■ 30.0000, 0.0000,
0.0000

■ 97.0000, 0.0000,
0.0000

■ 5.0000, 0.0000,
0.0000

■ 122.0000, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 148.0000, 0.0000,
0.0000

■ 174.0000, 0.0000,
0.0000

■ 202.0000, 0.0000,
0.0000

■ 230.0000, 0.0000,

0.0000

■ 51.0000, 0.0000,
0.0000

■ 51.0000, 0.0000,
0.0000

■ 47.4950, -0.7370,
3.0739

■ 54.5050, 0.7370,
-3.0739

■ 43.9900, -1.4741,
6.1478

■ 58.0100, 1.4741,
-6.1478

■ 40.4850, -2.2111,
9.2217

■ 61.5150, 2.2111,
-9.2217

■ 36.9800, -2.9481,
12.2955

■ 65.0200, 2.9481,
-12.2955

■ 33.4750, -3.6852,
15.3694

■ 69.2260, 3.8326,
-15.9842

■ 29.2690, -4.5696,
19.0581

■ 72.7310, 4.5696,
-19.0581

■ 25.7640, -5.3067,
22.1320

■ 76.2360, 5.3067,
-22.1320

■ 22.2590, -6.0437,
25.2059

■ 79.7410, 6.0437,
-25.2059

■ 18.7540, -6.7807,
28.2797

■ 83.2460, 6.7807,
-28.2797

Harmonies

Sweetspot

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



51.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



161.0000, 0.0000, 0.0000

Same Dimension

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



51.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



26.0000, 0.0000, 0.0000



26.6110, -13.1192, 54.7152



64.8830, -31.9873, 133.4066

Inverse Universe

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



51.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



26.0000, 0.0000, 0.0000



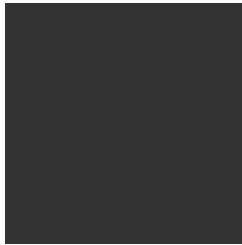
62.3890, 13.1192, -54.7152



152.1170, 31.9873, -133.4066

Previews

White Background



This preview shows how the YUV color 51.0000, 0.0000, 0.0000 looks on a white background.

Color Contrast Check

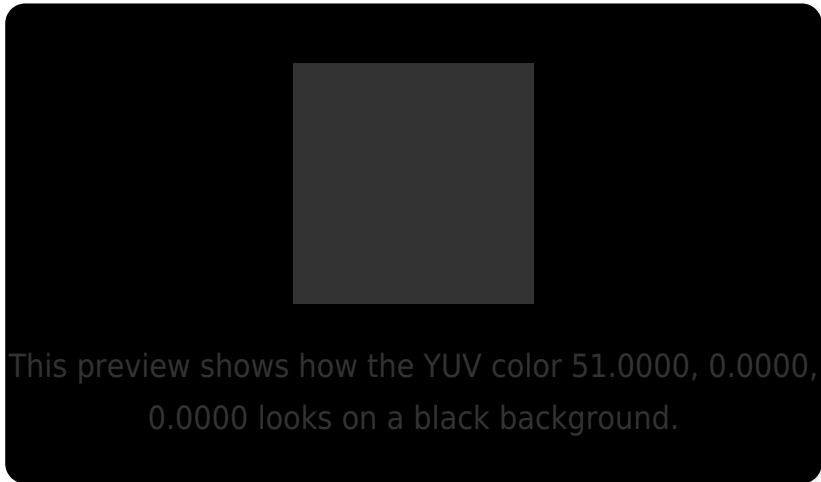
Large Text (above 18pt) WCAG AA ✓ Pass

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

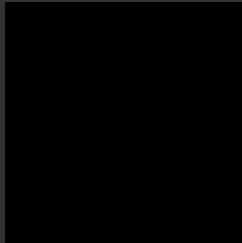
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 51.0000, 0.0000, 0.0000

Background



This preview shows how black text looks on a background with the YUV color 51.0000, 0.0000, 0.0000.



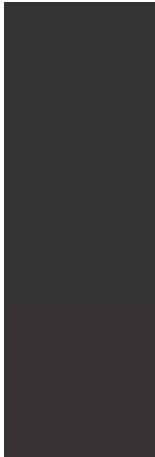
This preview shows how white text looks on a background with the YUV color 51.0000, 0.0000,

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

51.0000, 0.0000, 0.0000

Protanopia

51.2990, -0.1474, 0.6148

Deuteranopia

51.3210, -0.1583, 4.1035



Tritanopia

51.0540, 1.4524, 0.8296

Trichromacy



Original Color

51.0000, 0.0000, 0.0000

Protanomaly

51.2990, -0.1474, 0.6148

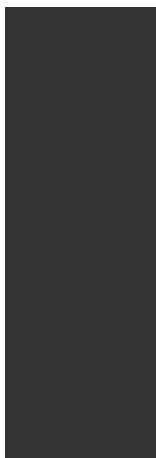
Deuteranomaly

51.3100, -0.1528, 2.3591

Tritanomaly

50.9400, 1.0156, 0.9296

Monochromacy



Original Color

51.0000, 0.0000, 0.0000

Achromatopsia

51.0000, 0.0000, 0.0000

Achromatomaly

51.0000, 0.0000, 0.0000

CSS Examples

Text

The CSS property to change the color of the text to YUV 51.0000, 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(51, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(51, 51, 51)  
}
```

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(51, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 51, 51) }
```

Border

The CSS property to change the border of an element to YUV 51.0000, 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(51, 51, 51) }
```


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

```
.border{ border-color:rgb(51, 51, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 51, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(51, 51, 51)  
}
```

Background

The CSS property to change the background color of an element to YUV 51.0000, 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(51, 51, 51) }
```

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

```
.background{ background-color: rgb(51, 51,  
51) }
```

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? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor