

# Converting Colors

YUV(44.7940, -0.8844, 3.6887)

Have a look what the booklet for  
YUV(44.7940, -0.8844, 3.6887)  
contains.

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# Color

**YUV(44.7940, -0.8844,  
3.6887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	312B2B
RGB	49, 43, 43
RGB Percent	19%, 17%, 17%
CMY	0.8078, 0.8314, 0.8314
CMYK	0.00, 0.12, 0.12, 0.81
HSL	0°, 7%, 18%
HSV	0°, 12%, 19%
XYZ	2.5665, 2.5551, 2.6434
YIQ	44.7940, 3.5760, 1.2720

# Conversions

## Conversions Part 2

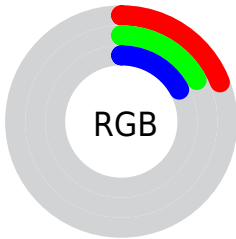
Format	Color
<a href="#">RYB</a>	<a href="#">49, 43, 43</a>
Decimal	<a href="#">3222315</a>
CIELab	<a href="#">18.17, 2.74, 1.00</a>
CIElCh	<a href="#">18, 2.913, 19.987</a>
Yxy	<a href="#">2.5551, 0.3305, 0.3291</a>
Android (android.graphics.Color)	<a href="#">4281412395 (0xFF312B2B)</a>
YUV	<a href="#">44.7940, -0.8844, 3.6887</a>
Hunter-Lab	<a href="#">15.9848, 0.6868, 1.3845</a>

# Details

The YUV color **44.7940, -0.8844, 3.6887** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **47.2060, 0.8844, -3.6887**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **90.0930, -1.0318, 4.3034**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **41.2890, -1.6215, 6.7625**, and if you desaturate by 10%, it is **48.2990, -0.1474, 0.6148**.

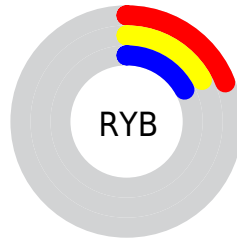
# Distribution



Red (19%)

Green (17%)

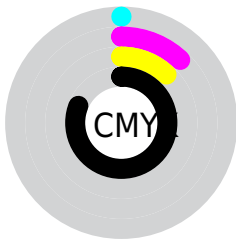
Blue (17%)



Red (19%)

Yellow (17%)

Blue (17%)

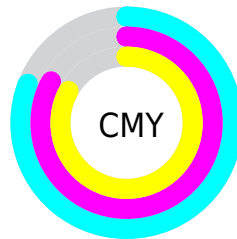


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (81%)



Cyan (81%)

Magenta (83%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 44.7940, -0.8844, 3.6887 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 44.7940, -0.8844, 3.6887 by changing the saturation by 10% instead.



■ 44.7940, -0.8844,  
3.6887

■ 44.7940, -0.8844,  
3.6887

■ 255.0000, 0.0000,  
0.0000

■ 24.4950, -0.7370,  
3.0739

■ 90.0930, -1.0318,  
4.3034

■ 0.0000, 0.0000,  
0.0000

■ 115.0930, -1.0318,  
4.3034

■ 140.3920, -1.1793,  
4.9182

■ 166.3920, -1.1793,  
4.9182

■ 194.0930, -1.0318,  
4.3034

■ 221.3920, -1.1793,

4.9182

250.0930, -1.0318,  
4.3034

44.7940, -0.8844,  
3.6887

44.7940, -0.8844,  
3.6887

41.2890, -1.6215,  
6.7625

48.2990, -0.1474,  
0.6148

37.7840, -2.3585,  
9.8364

51.8040, 0.5896,  
-2.4591

34.2790, -3.0955,  
12.9103

55.3090, 1.3267,  
-5.5330

30.7740, -3.8326,  
15.9842

58.8140, 2.0637,  
-8.6069

27.9700, -4.4222,  
18.4433

62.3190, 2.8007,  
-11.6808

■ 24.4650, -5.1592,  
21.5172

■ 65.1230, 3.3904,  
-14.1399

■ 20.9600, -5.8963,  
24.5911

■ 68.6280, 4.1274,  
-17.2138

■ 17.4550, -6.6333,  
27.6650

■ 72.1330, 4.8644,  
-20.2876

■ 14.6510, -7.2229,  
30.1241

■ 75.6380, 5.6015,  
-23.3615

# Harmonies

## Analogous

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



44.7230, 0.1366, 2.8739



44.7940, -0.8844, 3.6887



44.2670, -1.6106, 3.2738

# Triad

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



44.7940, -0.8844, 3.6887



43.7610, -0.8682, -1.5444



44.1460, 1.9000, -2.7590

# Complementary

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



44.7940, -0.8844, 3.6887



47.2060, 0.8844, -3.6887

# 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.



43.7330, 1.6106, -3.2738



44.7940, -0.8844, 3.6887



43.9780, 0.0108, -3.4887

# Square

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



44.7940, -0.8844, 3.6887



44.4300, -2.1840, 0.4999



43.9070, 1.0318, -4.3034



44.4560, 1.7472, -0.3999



# Rectangle

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



44.7940, -0.8844, 3.6887



44.7400, -2.3368, 2.8590



43.9070, 1.0318, -4.3034



44.1460, 1.9000, -2.7590

# Sweetspot

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



44.7940, -0.8844, 3.6887



61.8970, -0.4422, 1.8443



45.4780, 1.7363, 3.0888



31.5980, -0.2948, 1.2296



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.



44.7940, -0.8844, 3.6887



56.9900, -1.4741, 6.1478



46.5550, -1.7526, 2.1443



23.8970, -0.4422, 1.8443



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.



47.2060, 0.8844, -3.6887



61.0100, 1.4741, -6.1478



45.4450, 1.7526, -2.1443



25.1030, 0.4422, -1.8443



62.3890, 13.1192, -54.7152

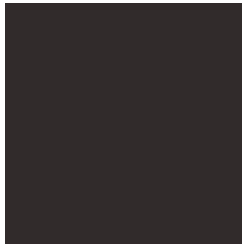


152.1170, 31.9873, -133.4066



# Previews

## White Background



This preview shows how the YUV color 44.7940, -0.8844, 3.6887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

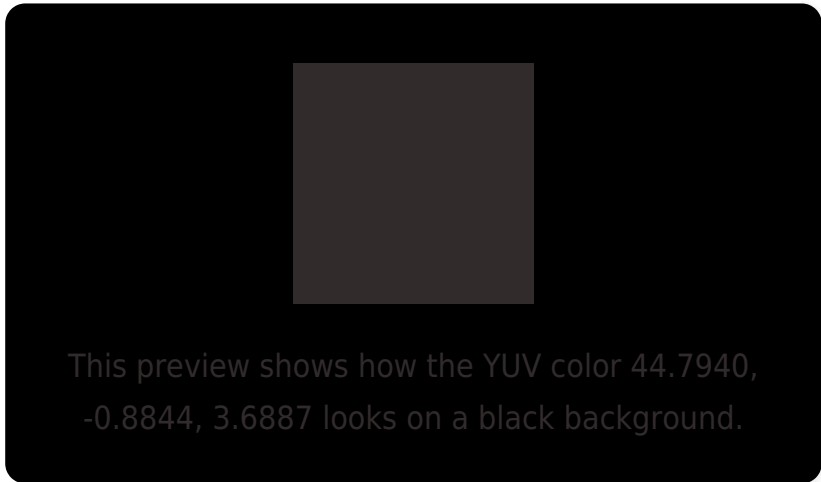
Any Text WCAG AA ✓ Pass

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

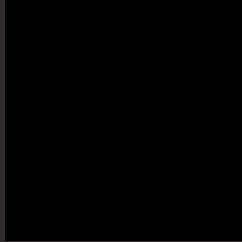
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 44.7940, -0.8844, 3.6887**

## **Background**



This preview shows how black text looks on a background with the YUV color 44.7940, -0.8844, 3.6887.



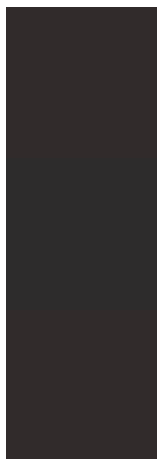
This preview shows how white text looks on a background with the YUV color 44.7940, -0.8844,



# 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

44.7940, -0.8844, 3.6887

### Protanopia

44.2990, -0.1474, 0.6148

### Deuteranopia

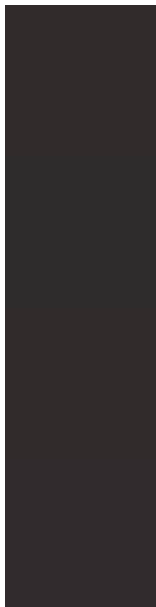
44.7940, -0.8844, 3.6887



## Tritanopia

45.1360, 0.4260, 3.3887

# Trichromacy



## Original Color

44.7940, -0.8844, 3.6887

## Protanomaly

44.5980, -0.2948, 1.2296

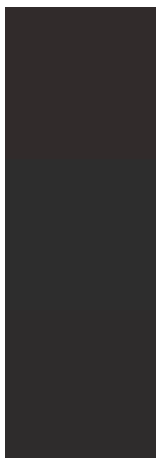
## Deuteranomaly

44.7940, -0.8844, 3.6887

## Tritanomaly

45.0220, -0.0108, 3.4887

# Monochromacy



## Original Color

44.7940, -0.8844, 3.6887

## Achromatopsia

45.0000, 0.0000, 0.0000

## Achromatomaly

44.5980, -0.2948, 1.2296

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 44.7940, -0.8844, 3.6887 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(49, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 43, 43) }
```

## Border

The CSS property to change the border of an element to YUV 44.7940, -0.8844, 3.6887 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(49, 43, 43) }
```



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

```
.border{ border-color:rgb(49, 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(49, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(49, 43, 43)  
}
```

# Background

The CSS property to change the background color of an element to YUV 44.7940, -0.8844, 3.6887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 43, 43) }
```

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

```
.background{ background-color: rgb(49, 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](#).

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