

# Converting Colors

YUV(50.2840, 23.0310, 33.0769)

Have a look what the booklet for  
YUV(50.2840, 23.0310, 33.0769)  
contains.

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# Color

**YUV(50.2840, 23.0310,  
33.0769)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	581661
RGB	88, 22, 97
RGB Percent	35%, 9%, 38%
CMY	0.6549, 0.9137, 0.6196
CMYK	0.09, 0.77, 0.00, 0.62
HSL	293°, 63%, 23%
HSV	293°, 77%, 38%
XYZ	6.4691, 3.5116, 11.6461
YIQ	50.2840, 15.2610, 37.3170

# Conversions

## Conversions Part 2

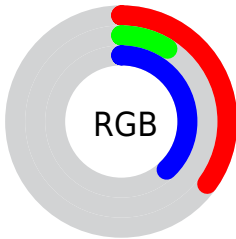
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 22, 97
Decimal	5772897
CIE <sub>Lab</sub>	21.99, 40.41, -29.44
CIE <sub>LCh</sub>	22, 50.000, 323.923
Yxy	3.5116, 0.2991, 0.1624
Android (android.graphics.Color)	4283962977 (0xFF581661)
YUV	50.2840, 23.0310, 33.0769
Hunter-Lab	18.7392, 28.8273, -23.7302

# Details

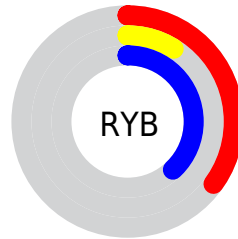
The YUV color **50.2840, 23.0310, 33.0769** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **68.7160, -23.0310, -33.0769**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.5830, 22.8836, 33.6917**, and **17.9590, 15.7962, 20.2070** is the 20% darker color. If you saturate the color by 10%, you get **44.1150, 26.0723, 37.6101**, and if you desaturate by 10%, it is **56.4530, 19.9897, 28.5437**.

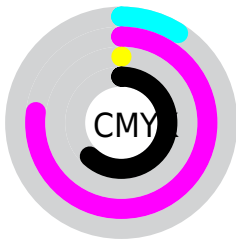
# Distribution



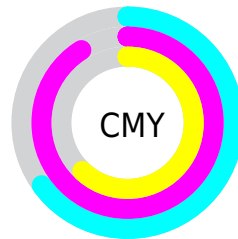
- Red (35%)
- Green (9%)
- Blue (38%)



- Red (35%)
- Yellow (9%)
- Blue (38%)



- Cyan (9%)
- Magenta (77%)
- Yellow (0%)
- Black (62%)



- Cyan (65%)
- Magenta (91%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.2840, 23.0310, 33.0769 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 50.2840, 23.0310, 33.0769 by changing the saturation by 10% instead.



■ 50.2840, 23.0310,  
33.0769

■ 50.2840, 23.0310,  
33.0769

255.0000, 0.0000,  
0.0000

■ 27.1590, 22.5996,  
31.4326

■ 101.5830, 22.8836,  
33.6917

■ 17.9590, 15.7962,  
20.2070

■ 127.7080, 23.3150,  
35.3361

■ 3.1920, 12.2303,  
-2.7994

■ 154.5340, 23.8937,  
36.3657

■ 0.0000, 0.0000,  
0.0000

■ 181.9470, 24.1831,  
36.8805

■ 209.2030, 22.5779,  
38.4100

■ 226.2370, 14.1802,

25.2252

242.6730, 6.0772,  
10.8108

50.2840, 23.0310,  
33.0769

50.2840, 23.0310,  
33.0769

44.1150, 26.0723,  
37.6101

56.4530, 19.9897,  
28.5437

38.5330, 28.8242,  
41.6286

62.0350, 17.2377,  
24.5253

36.4730, 29.8398,  
42.5582

68.2040, 14.1964,  
19.9921

74.6720, 11.0077,  
16.0737

80.8410, 7.9664,  
11.5404

■ 86.4230, 5.2145,  
7.5220

■ 92.5920, 2.1731,  
2.9888

■ 98.7610, -0.8682,  
-1.5444

■ 104.3430, -3.6201,  
-5.5628

# Harmonies

## Analogous

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



46.2920, 37.3240, -24.8121



50.2840, 23.0310, 33.0769



40.5560, 10.5719, 62.6564

# Triad

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



50.2840, 23.0310, 33.0769



50.2910, -24.7935, 19.0388



49.2640, 16.1388, -43.2045

# Complementary

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



50.2840, 23.0310, 33.0769



68.7160, -23.0310, -33.0769

# 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.



44.3450, -0.1701, -38.8906



50.2840, 23.0310, 33.0769



45.6960, -22.5281, -7.6264

# Square

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



50.2840, 23.0310, 33.0769



47.2110, -23.2750, 45.4190



38.1550, -18.8104, -33.4619



51.6240, 30.2584, -45.2742



# Rectangle

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



50.2840, 23.0310, 33.0769



38.6030, -0.7903, 67.0002



38.1550, -18.8104, -33.4619



47.8960, 10.8973, -42.0048

# Sweetspot

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



50.2840, 23.0310, 33.0769



107.0800, 8.8346, 13.0848



36.4200, 29.8659, -12.6463



52.8360, 5.5039, 8.0368



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



50.2840, 23.0310, 33.0769



52.7220, 35.6331, 51.1098



49.7830, 9.4740, 41.4093



45.6520, 1.1576, 2.0592



42.3690, 34.3281, 49.6654



90.4490, 73.7286, 105.7232



# Inverse Universe

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



45.4510, -7.1243, 45.2085



45.2800, -10.9840, 69.9144



69.2170, -9.4740, -41.4093



45.1960, -0.5896, 2.4591



34.9700, -10.8312, 67.5553

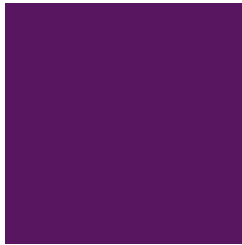


75.0660, -22.7105, 144.6471



# Previews

## White Background



This preview shows how the YUV color 50.2840, 23.0310, 33.0769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

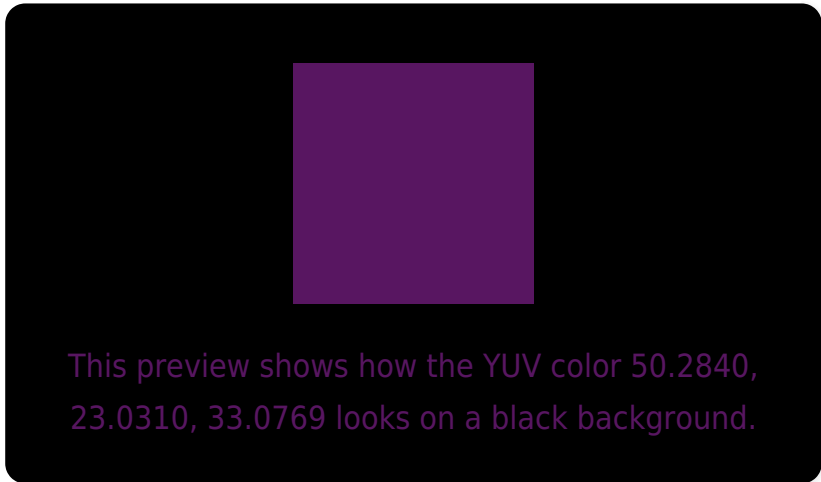
Any Text WCAG AA ✓ Pass

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

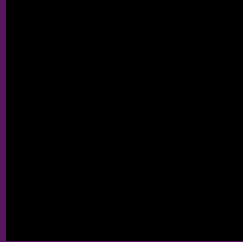
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 50.2840, 23.0310, 33.0769

## Background



This preview shows how black text looks on a background with the YUV color 50.2840, 23.0310, 33.0769.



This preview shows how white text looks on a background with the YUV color 50.2840, 23.0310,



# 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

50.2840, 23.0310, 33.0769

### Protanopia

43.1780, 33.4362, -37.8671

### Deuteranopia

50.8460, 20.2889, -20.9129



## Tritanopia

54.0030, -4.4385, 23.6764

# Trichromacy



## Original Color

50.2840, 23.0310, 33.0769

## Protanomaly

45.7190, 29.7185, -12.0316

## Deuteranomaly

50.6080, 21.3923, -1.4102

## Tritanomaly

52.9570, 5.4442, 27.2247

# Monochromacy



## Original Color

50.2840, 23.0310, 33.0769

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.2540, 8.2558, 12.0552

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.2840, 23.0310, 33.0769 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(88, 22, 97)` looks like.

```
.text, #text, p{  
    color:rgb(88, 22, 97)  
}
```

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(88, 22, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 22, 97) }
```

## Border

The CSS property to change the border of an element to YUV 50.2840, 23.0310, 33.0769 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(88, 22, 97) }
```



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

```
.border{ border-color:rgb(88, 22, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 22, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 22, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 22, 97);  
box-shadow:4px 4px 4px 4px rgb(88, 22, 97)  
}
```

# Background

The CSS property to change the background color of an element to YUV 50.2840, 23.0310, 33.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 22, 97) }
```

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

```
.background{ background-color: rgb(88, 22,  
97) }
```

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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