

# Converting Colors

YUV(55.0980, 21.6437, 11.3151)

Have a look what the booklet for  
YUV(55.0980, 21.6437, 11.3151)  
contains.

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# Color

**YUV(55.0980, 21.6437,  
11.3151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	442863
RGB	68, 40, 99
RGB Percent	27%, 16%, 39%
CMY	0.7333, 0.8431, 0.6118
CMYK	0.31, 0.60, 0.00, 0.61
HSL	268°, 42%, 27%
HSV	268°, 60%, 39%
XYZ	5.3948, 3.6474, 12.2241
YIQ	55.0980, -2.2510, 24.2850

# Conversions

## Conversions Part 2

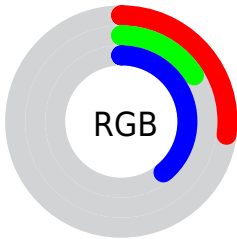
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 40, 99
Decimal	4466787
CIE <sub>Lab</sub>	22.47, 26.34, -30.16
CIE <sub>LCh</sub>	22, 40.037, 311.133
Yxy	3.6474, 0.2537, 0.1715
Android (android.graphics.Color)	4282656867 (0xFF442863)
YUV	55.0980, 21.6437, 11.3151
Hunter-Lab	19.0981, 17.0008, -24.5808

# Details

The YUV color **55.0980, 21.6437, 11.3151** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **83.9020, -21.6437, -11.3151**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.8640, 23.2380, 13.2743**, and **13.1040, 19.1757, 9.5558** is the 20% darker color. If you saturate the color by 10%, you get **47.7330, 25.2746, 13.3892**, and if you desaturate by 10%, it is **62.4630, 18.0127, 9.2409**.

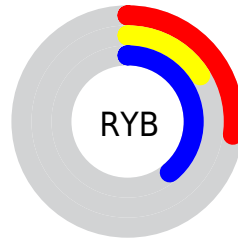
# Distribution



Red (27%)

Green (16%)

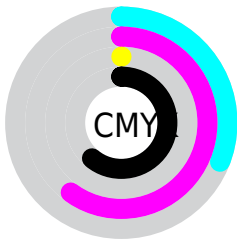
Blue (39%)



Red (27%)

Yellow (16%)

Blue (39%)

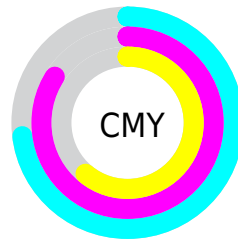


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (61%)



Cyan (73%)

Magenta (84%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 55.0980, 21.6437, 11.3151 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 55.0980, 21.6437, 11.3151 by changing the saturation by 10% instead.



■ 55.0980, 21.6437,  
11.3151

■ 55.0980, 21.6437,  
11.3151

■ 255.0000, 0.0000,  
0.0000

■ 32.2720, 21.0649,  
10.2855

■ 102.8640, 23.2380,  
13.2743

■ 13.1040, 19.1757,  
9.5558

■ 128.6900, 23.8168,  
14.3039

■ 4.5940, 12.5252,  
-4.0289

■ 155.2170, 24.5430,  
14.7187

■ 0.0000, 0.0000,  
0.0000

■ 181.7440, 25.2692,  
15.1335

■ 208.7720, 22.7904,  
16.8630

■ 233.2810, 10.7075,

19.0476

250.3040, 2.3151,  
4.1184

55.0980, 21.6437,  
11.3151

55.0980, 21.6437,  
11.3151

47.7330, 25.2746,  
13.3892

62.4630, 18.0127,  
9.2409

40.3680, 28.9056,  
15.4633

69.8280, 14.3818,  
7.1668

32.7040, 32.6839,  
16.9226

77.4920, 10.6034,  
5.7075

25.3390, 36.3149,  
18.9967

84.8570, 6.9725,  
3.6334

92.2220, 3.3416,  
1.5593

■ 99.0000, 0.0000,  
0.0000

■ 106.3650, -3.6309,  
-2.0741

■ 114.0290, -7.4093,  
-3.5334

■ 121.3940,  
-11.0402, -5.6075

# Harmonies

## Analogous

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



44.5800, 33.7311, -39.0967



55.0980, 21.6437, 11.3151



51.5270, 11.0792, 39.8798

# Triad

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



55.0980, 21.6437, 11.3151



50.9330, -25.1100, 27.2458



46.6250, 8.5659, -40.8901

# Complementary

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



55.0980, 21.6437, 11.3151



83.9020, -21.6437, -11.3151

# 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.



42.5040, -4.6855, -37.2760



55.0980, 21.6437, 11.3151



49.9150, -24.6081, 6.2135

# Square

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



55.0980, 21.6437, 11.3151



48.9210, -16.7231, 43.9193



42.9720, -21.1852, -18.3924



49.2300, 21.0856, -43.1747



# Rectangle

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



55.0980, 21.6437, 11.3151



47.2310, 3.3371, 49.7864



42.9720, -21.1852, -18.3924



45.4850, 4.1979, -39.8903

# Sweetspot

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



55.0980, 21.6437, 11.3151



110.6120, 8.5723, 3.8483



64.9230, 16.8000, -21.8575



53.3900, 5.2307, 2.2890



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.



55.0980, 21.6437, 11.3151



59.3450, 33.8469, 17.2374



63.7690, 17.3689, 29.1436



45.0540, 1.4524, 0.8296



28.6150, 41.1088, 21.3856



61.4460, 88.0271, 46.0899



# Inverse Universe

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



61.1750, 4.8437, 33.1725



68.9800, 7.4049, 51.7605



75.2310, -17.3689, -29.1436



45.4240, 0.2840, 2.2592



40.2140, 9.2615, 62.9563



86.1240, 19.6589, 134.9493



# Previews

## White Background



This preview shows how the YUV color 55.0980, 21.6437, 11.3151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

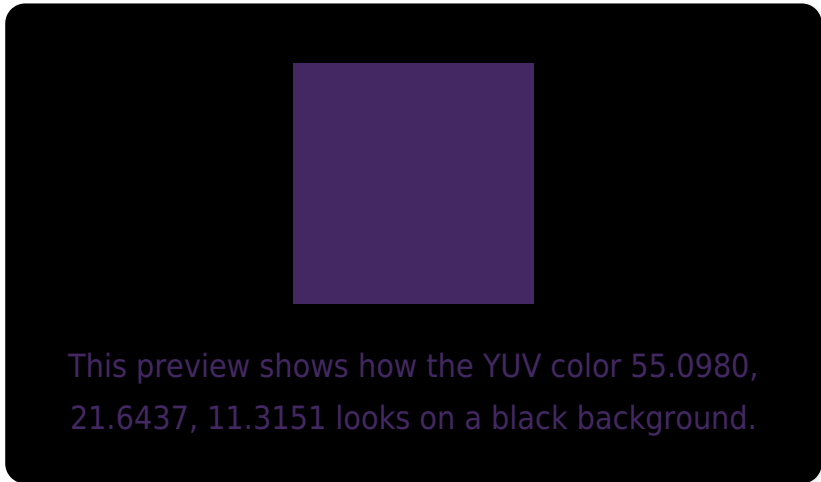
Any Text WCAG AA ✓ Pass

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

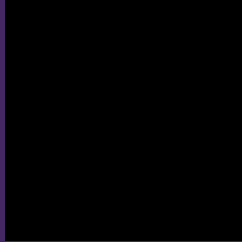
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 55.0980, 21.6437, 11.3151

## Background



This preview shows how black text looks on a background with the YUV color 55.0980, 21.6437, 11.3151.



This preview shows how white text looks on a background with the YUV color 55.0980, 21.6437,



# 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

55.0980, 21.6437, 11.3151

### Protanopia

43.1780, 33.4362, -37.8671

### Deuteranopia

48.3120, 23.5102, -27.4606



## Tritanopia

54.8480, 0.5679, 4.5183

# Trichromacy



## Original Color

55.0980, 21.6437, 11.3151

## Protanomaly

47.8490, 29.1614, -20.0386

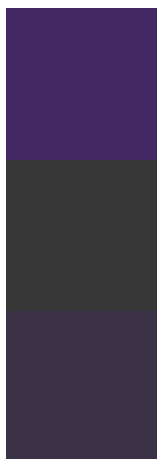
## Deuteranomaly

51.1720, 22.5932, -13.3058

## Tritanomaly

55.2210, 8.2720, 6.8222

# Monochromacy



## Original Color

55.0980, 21.6437, 11.3151

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.3840, 7.6987, 4.0482

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 55.0980, 21.6437, 11.3151 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(68, 40, 99)` looks like.

```
.text, #text, p{  
    color:rgb(68, 40, 99)  
}
```

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(68, 40, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 40, 99) }
```

## Border

The CSS property to change the border of an element to YUV 55.0980, 21.6437, 11.3151 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(68, 40, 99) }
```



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

```
.border{ border-color:rgb(68, 40, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 40, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 40, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 40, 99);  
box-shadow:4px 4px 4px 4px rgb(68, 40, 99)  
}
```

# Background

The CSS property to change the background color of an element to YUV 55.0980, 21.6437, 11.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 40, 99) }
```

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

```
.background{ background-color: rgb(68, 40,  
99) }
```

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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