

# Converting Colors

YUV(37.0760, 21.6545, 7.8263)

Have a look what the booklet for  
YUV(37.0760, 21.6545, 7.8263)  
contains.

<b>YUV(37.0760, 21.6545, 7.8263)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(37.0760, 21.6545,  
7.8263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E1851
RGB	46, 24, 81
RGB Percent	18%, 9%, 32%
CMY	0.8196, 0.9059, 0.6824
CMYK	0.43, 0.70, 0.00, 0.68
HSL	263°, 54%, 21%
HSV	263°, 70%, 32%
XYZ	2.9386, 1.8282, 7.9826
YIQ	37.0760, -5.1850, 22.3910

# Conversions

## Conversions Part 2

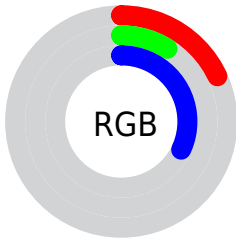
Format	Color
<a href="#">RYB</a>	<a href="#">46, 24, 81</a>
Decimal	<a href="#">3020881</a>
CIELab	<a href="#">14.56, 25.21, -31.02</a>
CIELCh	<a href="#">15, 39.972, 309.102</a>
Yxy	<a href="#">1.8282, 0.2305, 0.1434</a>
Android (android.graphics.Color)	<a href="#">4281210961 (0xFF2E1851)</a>
YUV	<a href="#">37.0760, 21.6545, 7.8263</a>
Hunter-Lab	<a href="#">13.5211, 15.1318, -25.5389</a>

# Details

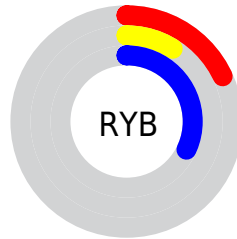
The YUV color **37.0760, 21.6545, 7.8263** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **67.9240, -21.6545, -7.8263**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.8420, 23.2489, 9.7856**, and **4.5770, 14.9985, -4.0140** is the 20% darker color. If you saturate the color by 10%, you get **30.8850, 24.7067, 8.8709**, and if you desaturate by 10%, it is **43.2670, 18.6024, 6.7818**.

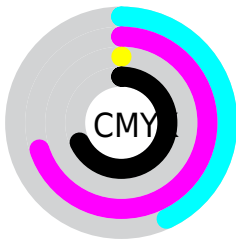
# Distribution



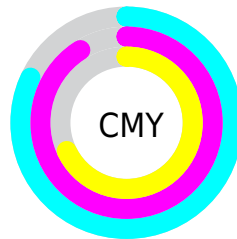
- Red (18%)
- Green (9%)
- Blue (32%)



- Red (18%)
- Yellow (9%)
- Blue (32%)



- Cyan (43%)
- Magenta (70%)
- Yellow (0%)
- Black (68%)



- Cyan (82%)
- Magenta (91%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.0760, 21.6545, 7.8263 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 37.0760, 21.6545, 7.8263 by changing the saturation by 10% instead.



■ 37.0760, 21.6545,  
7.8263

■ 37.0760, 21.6545,  
7.8263

■ 254.4130, 0.2894,  
0.5148

■ 14.0760, 21.6545,  
7.8263

■ 83.8420, 23.2489,  
9.7856

■ 4.5770, 14.9985,  
-4.0140

■ 108.0810, 24.1171,  
11.3300

■ 1.2540, 4.8048,  
-1.0998

■ 133.6080, 24.8433,  
11.7448

■ 0.0000, 0.0000,  
0.0000


■ 160.1350, 25.5694,  
12.1596


■ 187.6620, 26.2956,  
12.5744


■ 213.7780, 20.3224,


15.1037


 237.3900, 8.6817,  
15.4440


 37.0760, 21.6545,  
7.8263


 37.0760, 21.6545,  
7.8263


 30.8850, 24.7067,  
8.8709

 43.2670, 18.6024,  
6.7818


 24.6940, 27.7589,  
9.9154

 49.4580, 15.5502,  
5.7373

 18.5030, 30.8110,  
10.9599

 55.6490, 12.4980,  
4.6928

 61.8400, 9.4459,  
3.6483

 68.6180, 6.1043,  
2.0890

■ 74.8090, 3.0522,  
1.0445

■ 81.0000, 0.0000,  
0.0000

■ 87.1910, -3.0522,  
-1.0445

■ 93.3820, -6.1043,  
-2.0890

# Harmonies

## Analogous

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



32.9080, 29.6254, -28.8603



37.0760, 21.6545, 7.8263



29.5100, 13.5526, 39.8947

# Triad

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



37.0760, 21.6545, 7.8263



34.9740, -17.2422, 23.7018



33.3060, 5.7651, -29.2094

# Complementary

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



37.0760, 21.6545, 7.8263



67.9240, -21.6545, -7.8263

# 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.



29.2990, -7.0494, -25.6952



37.0760, 21.6545, 7.8263



33.9670, -16.7457, 4.4139

# Square

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



37.0760, 21.6545, 7.8263



28.3170, -13.9603, 44.4490



27.3230, -13.4702, -19.5773



36.3840, 17.5587, -31.9088



# Rectangle

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



37.0760, 21.6545, 7.8263



29.2630, 4.8003, 47.1273



27.3230, -13.4702, -19.5773



32.1660, 1.3972, -28.2096

# Sweetspot

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



37.0760, 21.6545, 7.8263



87.9000, 8.4303, 2.7187



51.0430, 14.7688, -23.7167



43.0910, 5.3781, 1.6742



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



37.0760, 21.6545, 7.8263



37.1980, 33.4264, 12.1044



45.4480, 17.5271, 25.0401



37.7550, 1.5998, 0.2149



23.9300, 39.9675, 14.0934



53.3580, 88.0705, 32.1350



# Inverse Universe

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



45.0330, 6.8857, 31.5431



49.4680, 10.6153, 48.7016



59.5520, -17.5271, -25.0401



38.4240, 0.2840, 2.2592



38.6910, 12.4773, 58.1530



85.5560, 27.8269, 128.4314



# Previews

## White Background



This preview shows how the YUV color 37.0760, 21.6545, 7.8263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

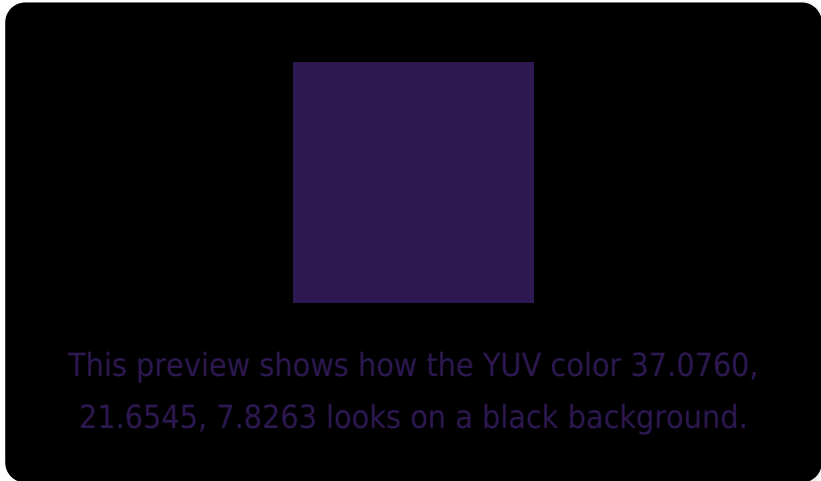
Any Text WCAG AA ✓ Pass

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

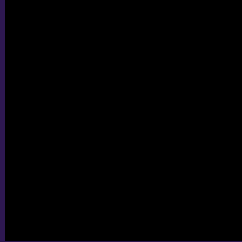
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 37.0760, 21.6545, 7.8263

## Background



This preview shows how black text looks on a background with the YUV color 37.0760, 21.6545, 7.8263.



This preview shows how white text looks on a background with the YUV color 37.0760, 21.6545,



# 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

37.0760, 21.6545, 7.8263

### Protanopia

29.9100, 23.2154, -26.2311

### Deuteranopia

30.4170, 17.5424, -26.6757



## Tritanopia

37.7440, 1.6052, -1.5295

# Trichromacy



## Original Color

37.0760, 21.6545, 7.8263

## Protanomaly

32.7590, 22.3038, -13.8206

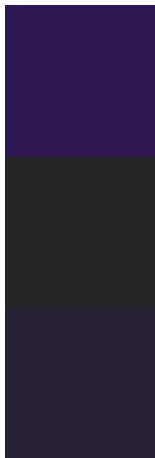
## Deuteranomaly

33.1350, 18.6674, -14.1504

## Tritanomaly

37.7150, 9.0145, 2.0039

# Monochromacy



## Original Color

37.0760, 21.6545, 7.8263

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

36.7860, 7.9935, 2.8187

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.0760, 21.6545, 7.8263 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(46, 24, 81)` looks like.

```
.text, #text, p{  
    color:rgb(46, 24, 81)  
}
```

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(46, 24, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 24, 81) }
```

## Border

The CSS property to change the border of an element to YUV 37.0760, 21.6545, 7.8263 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(46, 24, 81) }
```



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

```
.border{ border-color:rgb(46, 24, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 24, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 24, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 24, 81);  
box-shadow:4px 4px 4px 4px rgb(46, 24, 81)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.0760, 21.6545, 7.8263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 24, 81) }
```

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

```
.background{ background-color: rgb(46, 24,  
81) }
```

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