

# Converting Colors

YUV(35.7880, 21.7965, 8.9559)

Have a look what the booklet for  
YUV(35.7880, 21.7965, 8.9559)  
contains.

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# Color

**YUV(35.7880, 21.7965,  
8.9559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E1650
RGB	46, 22, 80
RGB Percent	18%, 9%, 31%
CMY	0.8196, 0.9137, 0.6863
CMYK	0.42, 0.72, 0.00, 0.69
HSL	265°, 57%, 20%
HSV	265°, 72%, 31%
XYZ	2.8616, 1.7338, 7.7733
YIQ	35.7880, -4.3140, 23.1260

# Conversions

## Conversions Part 2

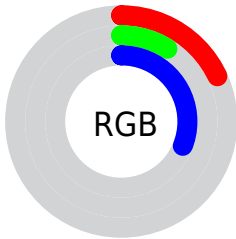
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 22, 80
Decimal	3020368
CIE <sub>Lab</sub>	14.02, 26.13, -31.20
CIE <sub>LCh</sub>	14, 40.702, 309.948
Yxy	1.7338, 0.2314, 0.1402
Android (android.graphics.Color)	4281210448 (0xFF2E1650)
YUV	35.7880, 21.7965, 8.9559
Hunter-Lab	13.1676, 15.7486, -25.7836

# Details

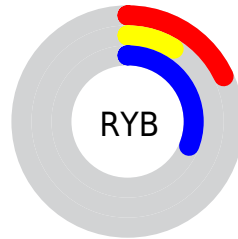
The YUV color **35.7880, 21.7965, 8.9559** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **66.2120, -21.7965, -8.9559**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **82.5540, 23.3909, 10.9151**, and **5.1640, 14.7091, -4.5288** is the 20% darker color. If you saturate the color by 10%, you get **29.5970, 24.8487, 10.0004**, and if you desaturate by 10%, it is **41.9790, 18.7444, 7.9114**.

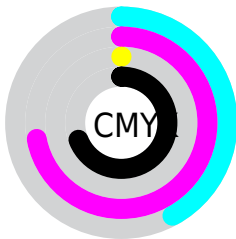
# Distribution



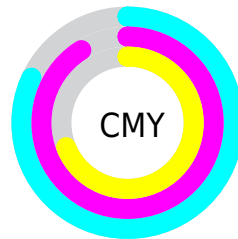
- Red (18%)
- Green (9%)
- Blue (31%)



- Red (18%)
- Yellow (9%)
- Blue (31%)



- Cyan (42%)
- Magenta (72%)
- Yellow (0%)
- Black (69%)



- Cyan (82%)
- Magenta (91%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 35.7880, 21.7965, 8.9559 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 35.7880, 21.7965, 8.9559 by changing the saturation by 10% instead.



■ 35.7880, 21.7965,  
8.9559

■ 35.7880, 21.7965,  
8.9559

■ 253.2390, 0.8682,  
1.5444

■ 13.6740, 21.3597,  
9.0559

■ 82.5540, 23.3909,  
10.9151

■ 5.1640, 14.7091,  
-4.5288

■ 106.7930, 24.2591,  
12.4595

■ 1.0260, 3.9312,  
-0.8998

■ 132.3200, 24.9852,  
12.8744


■ 0.0000, 0.0000,  
0.0000


■ 158.8470, 25.7114,  
13.2892


■ 186.2600, 26.0008,  
13.8040


■ 212.6040, 20.9012,


16.1333


 236.2160, 9.2605,  
16.4736


 35.7880, 21.7965,  
8.9559


 35.7880, 21.7965,  
8.9559


 29.5970, 24.8487,  
10.0004


 41.9790, 18.7444,  
7.9114


 23.7050, 27.7534,  
11.6597

 47.8710, 15.8396,  
6.2521

 18.9870, 30.0794,  
12.2894

 54.0620, 12.7874,  
5.2076

 60.2530, 9.7353,  
4.1631

 66.1450, 6.8305,  
2.5038

■ 72.3360, 3.7784,  
1.4593

■ 78.5270, 0.7262,  
0.4148

■ 84.7180, -2.3260,  
-0.6297

■ 90.6100, -5.2307,  
-2.2890

# Harmonies

## Analogous

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



32.3210, 29.9147, -28.3455



35.7880, 21.7965, 8.9559



28.8090, 13.4052, 40.5095

# Triad

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



35.7880, 21.7965, 8.9559



34.0880, -16.8054, 23.6018



32.7190, 6.0545, -28.6946

# Complementary

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



35.7880, 21.7965, 8.9559



66.2120, -21.7965, -8.9559

# 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.



28.5980, -7.1968, -25.0804



35.7880, 21.7965, 8.9559



33.3690, -16.4509, 3.1844

# Square

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



35.7880, 21.7965, 8.9559



27.4310, -13.5235, 44.3490



25.8390, -12.7386, -20.9068



35.7970, 17.8481, -31.3940



# Rectangle

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



35.7880, 21.7965, 8.9559



28.7360, 4.0742, 46.7125



25.8390, -12.7386, -20.9068



31.5790, 1.6866, -27.6948

# Sweetspot

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



35.7880, 21.7965, 8.9559



87.3130, 8.7197, 3.2335



49.1570, 15.2056, -23.8167



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.



35.7880, 21.7965, 8.9559



35.4370, 34.2946, 13.6488



44.1600, 17.6691, 26.1697



37.7550, 1.5998, 0.2149



24.8270, 39.5253, 15.9377



55.1520, 87.1861, 35.8237



# Inverse Universe

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



43.2180, 6.3015, 32.2578



47.2510, 9.7363, 50.6459



57.8400, -17.6691, -26.1697



38.4240, 0.2840, 2.2592



38.3490, 11.1669, 58.4529

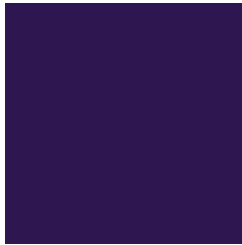


84.8720, 25.2061, 129.0313



# Previews

## White Background



This preview shows how the YUV color 35.7880, 21.7965, 8.9559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

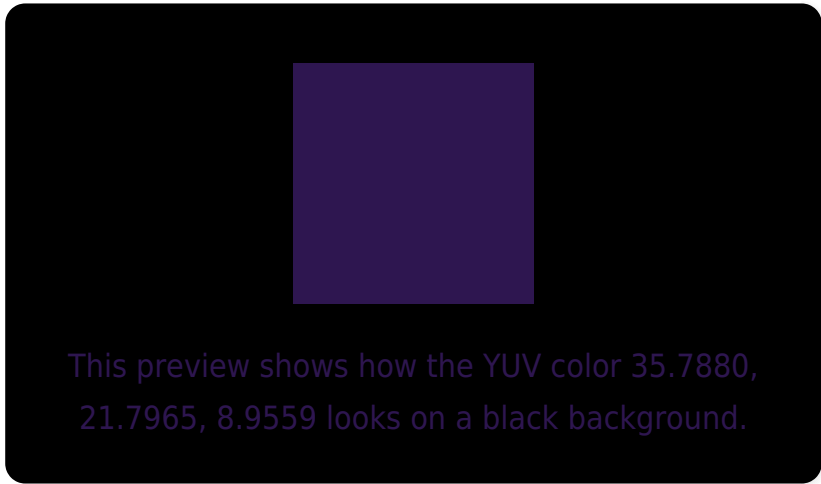
Any Text WCAG AA ✓ Pass

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

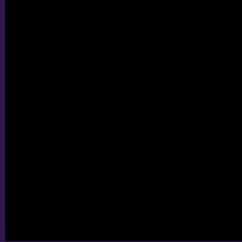
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 35.7880, 21.7965, 8.9559

## Background



This preview shows how black text looks on a background with the YUV color 35.7880, 21.7965, 8.9559.



This preview shows how white text looks on a background with the YUV color 35.7880, 21.7965,



# 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

35.7880, 21.7965, 8.9559

### Protanopia

29.0950, 22.6312, -25.5163

### Deuteranopia

29.7160, 17.3950, -26.0609



## Tritanopia

36.3420, 1.3104, -0.2999

# Trichromacy



## Original Color

35.7880, 21.7965, 8.9559

## Protanomaly

31.4710, 22.4458, -12.6911

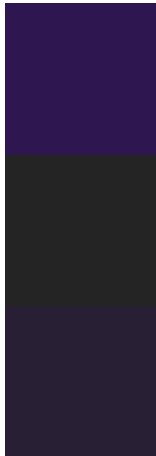
## Deuteranomaly

31.8470, 18.8094, -13.0208

## Tritanomaly

36.3130, 8.7197, 3.2335

# Monochromacy



## Original Color

35.7880, 21.7965, 8.9559

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

36.0850, 7.8461, 3.4335

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 35.7880, 21.7965, 8.9559 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, 22, 80)` looks like.

```
.text, #text, p{  
    color:rgb(46, 22, 80)  
}
```

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, 22, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 22, 80) }
```

## Border

The CSS property to change the border of an element to YUV 35.7880, 21.7965, 8.9559 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, 22, 80) }
```



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

```
.border{ border-color:rgb(46, 22, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 22, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 22, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 22, 80);  
box-shadow:4px 4px 4px 4px rgb(46, 22, 80)  
}
```

# Background

The CSS property to change the background color of an element to YUV 35.7880, 21.7965, 8.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 22, 80) }
```

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

```
.background{ background-color: rgb(46, 22,  
80) }
```

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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