

# Converting Colors

YUV(42.4680, 20.4753, 12.7446)

Have a look what the booklet for  
YUV(42.4680, 20.4753, 12.7446)  
contains.

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# Color

**YUV(42.4680, 20.4753,  
12.7446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	391B54
RGB	57, 27, 84
RGB Percent	22%, 11%, 33%
CMY	0.7765, 0.8941, 0.6706
CMYK	0.32, 0.68, 0.00, 0.67
HSL	272°, 51%, 22%
HSV	272°, 68%, 33%
XYZ	3.6795, 2.2938, 8.6363
YIQ	42.4680, -0.4170, 24.0870

# Conversions

## Conversions Part 2

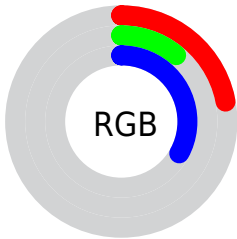
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 27, 84
Decimal	3742548
CIELab	16.96, 27.08, -29.11
CIELCh	17, 39.753, 312.933
Yxy	2.2938, 0.2519, 0.1570
Android (android.graphics.Color)	4281932628 (0xFF391B54)
YUV	42.4680, 20.4753, 12.7446
Hunter-Lab	15.1454, 16.8616, -23.2072

# Details

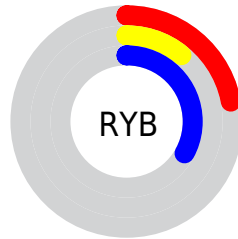
The YUV color **42.4680, 20.4753, 12.7446** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **68.5320, -20.4753, -12.7446**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.2340, 22.0696, 14.7038**, and **6.1260, 15.7139, -0.1105** is the 20% darker color. If you saturate the color by 10%, you get **36.5760, 23.3800, 14.4038**, and if you desaturate by 10%, it is **48.3600, 17.5705, 11.0853**.

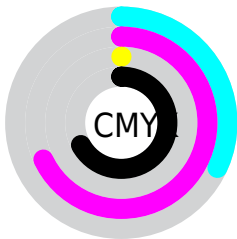
# Distribution



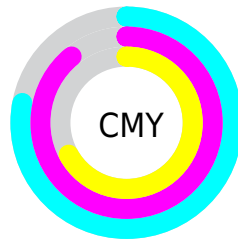
- Red (22%)
- Green (11%)
- Blue (33%)



- Red (22%)
- Yellow (11%)
- Blue (33%)



- Cyan (32%)
- Magenta (68%)
- Yellow (0%)
- Black (67%)



- Cyan (78%)
- Magenta (89%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.4680, 20.4753, 12.7446 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 42.4680, 20.4753, 12.7446 by changing the saturation by 10% instead.



■ 42.4680, 20.4753,  
12.7446

■ 42.4680, 20.4753,  
12.7446

■ 255.0000, 0.0000,  
0.0000

■ 19.6420, 19.8965,  
11.7150

■ 89.2340, 22.0696,  
14.7038

■ 6.1260, 15.7139,  
-0.1105

■ 114.6470, 22.3590,  
15.2186

■ 2.2970, 6.2626,  
-2.0145

■ 140.5870, 23.3746,  
16.1482


■ 0.0000, 0.0000,  
0.0000


■ 167.4130, 23.9534,  
17.1778


■ 194.8260, 24.2428,  
17.6926


■ 220.3010, 17.1066,


19.9070


 240.9120, 6.9454,  
12.3552


 42.4680, 20.4753,  
12.7446


 42.4680, 20.4753,  
12.7446


 36.5760, 23.3800,  
14.4038


 48.3600, 17.5705,  
11.0853


 30.0970, 26.5742,  
16.5779


 54.8390, 14.3764,  
8.9112

 24.2050, 29.4789,  
18.2372

 60.7310, 11.4716,  
7.2519

 22.7320, 30.2051,  
18.6520

 67.2100, 8.2775,  
5.0778

 73.1020, 5.3727,  
3.4185

■ 78.9940, 2.4680,  
1.7593

■ 85.4730, -0.7262,  
-0.4148

■ 91.3650, -3.6309,  
-2.0741

■ 97.8440, -6.8251,  
-4.2482

# Harmonies

## Analogous

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



35.2390, 30.9412, -30.9046



42.4680, 20.4753, 12.7446



35.0650, 11.8000, 42.0390

# Triad

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



42.4680, 20.4753, 12.7446



39.6920, -19.5682, 23.0721



37.8540, 7.9600, -33.1980

# Complementary

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



42.4680, 20.4753, 12.7446



68.5320, -20.4753, -12.7446

# 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.



33.8470, -4.8546, -29.6838



42.4680, 20.4753, 12.7446



38.3860, -18.9243, 3.1695

# Square

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



42.4680, 20.4753, 12.7446



35.3830, -17.4438, 41.7601



31.4430, -15.5014, -21.4365



40.2310, 19.6061, -35.2826



# Rectangle

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



42.4680, 20.4753, 12.7446



31.4700, 4.2053, 51.3308



31.4430, -15.5014, -21.4365



36.7140, 3.5920, -32.1982

# Sweetspot

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



42.4680, 20.4753, 12.7446



93.7970, 7.9881, 4.5630



49.9340, 16.7945, -20.1131



46.5750, 4.6465, 3.0037



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



42.4680, 20.4753, 12.7446



45.1990, 31.9469, 19.9965



50.4270, 16.0585, 29.4435



38.0540, 1.4524, 0.8296



28.4150, 37.7564, 23.3150



62.9260, 83.3535, 51.8079



# Inverse Universe

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



47.1210, 3.3913, 32.3429



52.3990, 5.2263, 50.5161



60.5730, -16.0585, -29.4435



38.4240, 0.2840, 2.2592



37.0950, 6.3622, 59.5527



81.9080, 13.8494, 131.6307



# Previews

## White Background



This preview shows how the YUV color 42.4680, 20.4753, 12.7446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

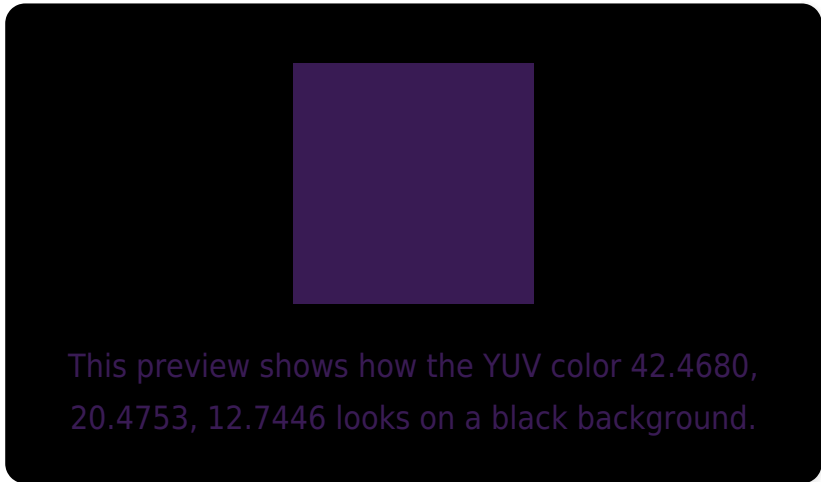
Any Text WCAG AA ✓ Pass

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 42.4680, 20.4753, 12.7446

## Background



This preview shows how black text looks on a background with the YUV color 42.4680, 20.4753, 12.7446.



This preview shows how white text looks on a background with the YUV color 42.4680, 20.4753,



# 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

42.4680, 20.4753, 12.7446

### Protanopia

33.9850, 26.1364, -29.8048

### Deuteranopia

34.4920, 20.4634, -30.2495



**Tritanopia**

43.0330, -0.0163, 5.2331

# Trichromacy



## Original Color

42.4680, 20.4753, 12.7446

## Protanomaly

37.2150, 24.0510, -14.2206

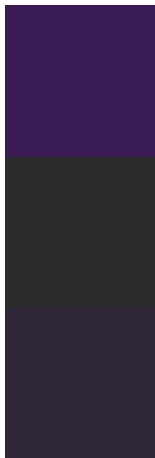
## Deuteranomaly

37.5910, 20.4146, -14.5503

## Tritanomaly

42.7050, 7.5404, 8.1517

# Monochromacy



## Original Color

42.4680, 20.4753, 12.7446

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

42.2700, 7.2619, 4.1482

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.4680, 20.4753, 12.7446 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(57, 27, 84)` looks like.

```
.text, #text, p{  
    color:rgb(57, 27, 84)  
}
```

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(57, 27, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 27, 84) }
```

## Border

The CSS property to change the border of an element to YUV 42.4680, 20.4753, 12.7446 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(57, 27, 84) }
```



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

```
.border{ border-color:rgb(57, 27, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 27, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 27, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 27, 84);  
box-shadow:4px 4px 4px 4px rgb(57, 27, 84)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.4680, 20.4753, 12.7446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 27, 84) }
```

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

```
.background{ background-color: rgb(57, 27,  
84) }
```

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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