

# Converting Colors

YUV(60.3320, 33.3603,  
-13.4462)

Have a look what the booklet for  
YUV(60.3320, 33.3603, -13.4462)  
contains.

<b>YUV(60.3320, 33.3603, -13.4462)</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(60.3320, 33.3603,  
-13.4462)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D3780
RGB	45, 55, 128
RGB Percent	18%, 22%, 50%
CMY	0.8235, 0.7843, 0.4980
CMYK	0.65, 0.57, 0.00, 0.50
HSL	233°, 48%, 34%
HSV	233°, 65%, 50%
XYZ	6.3447, 4.8488, 21.0236
YIQ	60.3320, -29.3930, 20.5830

# Conversions

## Conversions Part 2

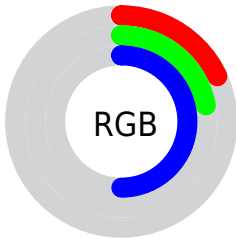
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 54, 128
Decimal	2963328
CIE <sub>Lab</sub>	26.30, 20.50, -42.67
CIE <sub>LCh</sub>	26, 47.337, 295.665
Yxy	4.8488, 0.1969, 0.1505
Android (android.graphics.Color)	4281153408 (0xFF2D3780)
YUV	60.3320, 33.3603, -13.4462
Hunter-Lab	22.0199, 12.8967, -41.1933

# Details

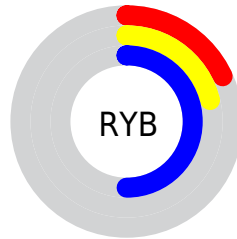
The YUV color **60.3320, 33.3603, -13.4462** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **112.6680, -33.3603, 13.4462**, and the grayscale version is **60.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **110.5220, 35.2387, -9.2278**, and **17.1100, 30.0188, -15.0055** is the 20% darker color. If you saturate the color by 10%, you get **49.9880, 38.4599, -15.7755**, and if you desaturate by 10%, it is **70.6760, 28.2607, -11.1169**.

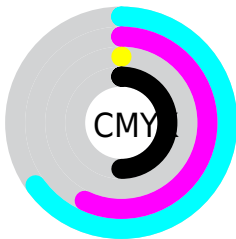
# Distribution



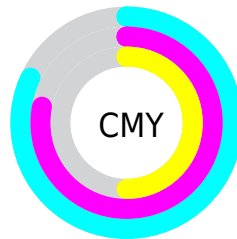
- Red (18%)
- Green (22%)
- Blue (50%)



- Red (18%)
- Yellow (21%)
- Blue (50%)



- Cyan (65%)
- Magenta (57%)
- Yellow (0%)
- Black (50%)



- Cyan (82%)
- Magenta (78%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 60.3320, 33.3603, -13.4462 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 60.3320, 33.3603, -13.4462 by changing the saturation by 10% instead.



■ 60.3320, 33.3603,  
-13.4462

■ 60.3320, 33.3603,  
-13.4462

■ 255.0000, 0.0000,  
0.0000

■ 34.2770, 33.3874,  
-22.1679

■ 110.5220, 35.2387,  
-9.2278

■ 17.1100, 30.0188,  
-15.0055

■ 136.3480, 35.8174,  
-8.1982

■ 6.8570, 23.7345,  
-6.0136

■ 162.7010, 37.1224,  
-6.7538

■ 4.8220, 13.3988,  
-4.2289

■ 188.8600, 32.6070,  
-5.1392

■ 0.4560, 1.7472,  
-0.3999

■ 213.6680, 20.3767,  
-2.3398

■ 0.0000, 0.0000,  
0.0000

■ 238.7750, 7.9989,

1.0743

■ 60.3320, 33.3603,  
-13.4462

■ 60.3320, 33.3603,  
-13.4462

■ 49.9880, 38.4599,  
-15.7755

■ 70.6760, 28.2607,  
-11.1169

■ 39.0570, 43.8489,  
-17.5900

■ 81.6070, 22.8717,  
-9.3023

■ 29.0120, 48.8011,  
-19.3045

■ 91.6520, 17.9196,  
-7.5878

■ 23.3970, 51.5693,  
-20.5192

■ 101.9960, 12.8200,  
-5.2585

■ 112.3400, 7.7204,  
-2.9292

■ 123.2710, 2.3314,  
-1.1147

■ 133.6150, -2.7682,  
1.2146

■ 143.6600, -7.7204,  
2.9292

■ 154.0040,  
-12.8200, 5.2585

# Harmonies

## Analogous

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



55.8930, 38.9998, -49.0182



60.3320, 33.3603, -13.4462



61.8880, 20.2682, 32.5472

# Triad

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



60.3320, 33.3603, -13.4462



57.2340, -28.2164, 43.6448



51.5830, 2.1776, -45.2383

# Complementary

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



60.3320, 33.3603, -13.4462



112.6680, -33.3603, 13.4462

# 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.



45.9630, -14.2788, -40.3096



60.3320, 33.3603, -13.4462



59.1510, -29.1614, 20.0386

# Square

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



60.3320, 33.3603, -13.4462



53.2680, -9.4991, 60.2780



54.5560, -26.8961, -6.6266



56.3880, 18.0497, -49.4523



# Rectangle

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



60.3320, 33.3603, -13.4462



55.9570, 12.3462, 53.5347



54.5560, -26.8961, -6.6266



50.1010, -3.5008, -43.9386

# Sweetspot

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



60.3320, 33.3603, -13.4462



139.9960, 12.8200, -5.2585



101.9290, 7.4300, -49.9267



68.3400, 7.7204, -2.9292



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



60.3320, 33.3603, -13.4462



60.2120, 52.1535, -21.2339



63.4320, 31.8320, 10.1451



58.3850, 2.7682, -1.2146



23.3970, 51.5693, -20.5192



0.0000, 0.0000, 0.0000



# Inverse Universe

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



70.9570, -7.8668, 50.0267



76.6940, -12.1741, 78.3214



109.5680, -31.8320, -10.1451



59.2070, -0.5951, 4.2035



39.9820, -12.3161, 77.1918



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 60.3320, 33.3603, -13.4462 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



This preview shows how the YUV color 60.3320, 33.3603, -13.4462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

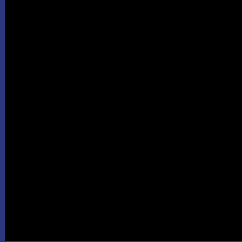
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 60.3320, 33.3603, -13.4462

## Background



This preview shows how black text looks on a background with the YUV color 60.3320, 33.3603, -13.4462.



This preview shows how white text looks on a background with the YUV color 60.3320, 33.3603,



# 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

60.3320, 33.3603, -13.4462

### Protanopia

49.6980, 38.1099, -43.5851

### Deuteranopia

50.1080, 29.5268, -43.9447



## Tritanopia

49.0530, 12.7919, -43.0195

# Trichromacy



## Original Color

60.3320, 33.3603, -13.4462

## Protanomaly

53.3080, 36.3302, -32.7191

## Deuteranomaly

53.9290, 31.0940, -33.2637

## Tritanomaly

53.0680, 20.1795, -32.5086

# Monochromacy



## Original Color

60.3320, 33.3603, -13.4462

## Achromatopsia

60.0000, 0.0000, 0.0000

## Achromatomaly

60.1810, 12.2358, -4.5437

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 60.3320, 33.3603, -13.4462 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(45, 55, 128)` looks like.

```
.text, #text, p{  
    color:rgb(45, 55, 128)  
}
```

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(45, 55, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 55, 128) }
```

## Border

The CSS property to change the border of an element to YUV 60.3320, 33.3603, -13.4462 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(45, 55, 128) }
```



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

```
.border{ border-color:rgb(45, 55, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 55, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 55, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 55, 128);  
box-shadow:4px 4px 4px 4px rgb(45, 55,  
128) }
```

# Background

The CSS property to change the background color of an element to YUV 60.3320, 33.3603, -13.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 55, 128) }
```

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

```
.background{ background-color: rgb(45, 55,  
128) }
```

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