

# Converting Colors

YUV(83.3120, -0.1538, -44.1236)

Have a look what the booklet for  
YUV(83.3120, -0.1538, -44.1236)  
contains.

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# Color

**YUV(83.3120, -0.1538,  
-44.1236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216D53
RGB	33, 109, 83
RGB Percent	13%, 43%, 33%
CMY	0.8706, 0.5725, 0.6745
CMYK	0.70, 0.00, 0.24, 0.57
HSL	159°, 54%, 28%
HSV	159°, 70%, 43%
XYZ	7.6572, 11.8851, 10.0741
YIQ	83.3120, -36.9500, -24.1980

# Conversions

## Conversions Part 2

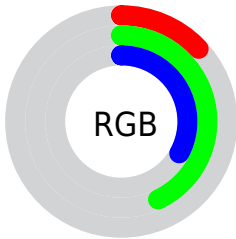
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 79, 109
Decimal	2190675
CIE Lab	41.03, -29.89, 7.88
CIE LCh	41, 30.905, 165.237
Yxy	11.8851, 0.2585, 0.4013
Android (android.graphics.Color)	4280380755 (0xFF216D53)
YUV	83.3120, -0.1538, -44.1236
Hunter-Lab	34.4748, -20.6845, 6.8069

# Details

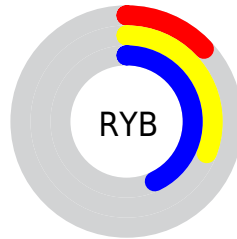
The YUV color **83.3120, -0.1538, -44.1236** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **58.6880, 0.1538, 44.1236**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.8670, -1.9064, -41.9794**, and **40.1390, -1.0545, -35.2019** is the 20% darker color. If you saturate the color by 10%, you get **79.5670, -0.2795, -50.4863**, and if you desaturate by 10%, it is **87.0570, -0.0281, -37.7610**.

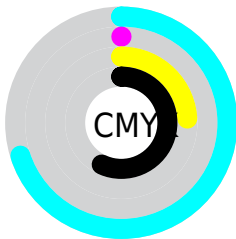
# Distribution



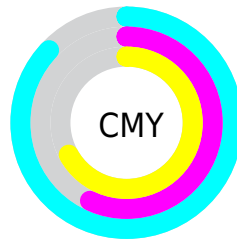
- Red (13%)
- Green (43%)
- Blue (33%)



- Red (13%)
- Yellow (31%)
- Blue (43%)



- Cyan (70%)
- Magenta (0%)
- Yellow (24%)
- Black (57%)



- Cyan (87%)
- Magenta (57%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.3120, -0.1538, -44.1236 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 83.3120, -0.1538, -44.1236 by changing the saturation by 10% instead.



83.3120, -0.1538,  
-44.1236

83.3120, -0.1538,  
-44.1236

255.0000, 0.0000,  
0.0000

56.1480, 1.8990,  
-49.2418

135.8670, -1.9064,  
-41.9794

40.1390, -1.0545,  
-35.2019

162.5680, -1.7590,  
-42.5941

24.9450, -3.4239,  
-21.8768

190.4540, -2.1958,  
-42.4942

4.1090, -2.0257,  
-3.6036

218.6280, -2.7746,  
-43.5238

0.0000, 0.0000,  
0.0000

236.1760, 2.8712,  
-34.3574

246.3290, 4.2748,

-17.8285

■ 83.3120, -0.1538,  
-44.1236

■ 83.3120, -0.1538,  
-44.1236

■ 79.5670, -0.2795,  
-50.4863

■ 87.0570, -0.0281,  
-37.7610

■ 75.9360, 0.0316,  
-56.9489

■ 90.6880, -0.3392,  
-31.2984

■ 72.1910, -0.0942,  
-63.3115

■ 94.4330, -0.2135,  
-24.9357

■ 98.1780, -0.0878,  
-18.5731

■ 101.6240, 0.1854,  
-12.8252

■ 105.2550, -0.1257,  
-6.3626

■ 109.0000, 0.0000,  
0.0000

■ 112.7450, 0.1257,  
6.3626

■ 116.4900, 0.2514,  
12.7253

# Harmonies

## Analogous

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



90.2910, -14.9335, -16.9182



83.3120, -0.1538, -44.1236



76.9960, 15.7780, -67.5255

# Triad

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



83.3120, -0.1538, -44.1236



96.0300, 24.6352, -14.9353



96.7630, -17.1382, 37.0418

# Complementary

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



83.3120, -0.1538, -44.1236



58.6880, 0.1538, 44.1236

# 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.



97.6570, -6.2399, 41.5198



83.3120, -0.1538, -44.1236



99.4420, 16.5441, 13.6444

# Square

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



83.3120, -0.1538, -44.1236



82.3730, 30.8751, -56.4551



99.5880, 5.1331, 33.6873



95.5520, -23.9361, 24.0719



# Rectangle

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



83.3120, -0.1538, -44.1236



78.2330, 23.0561, -68.6103



99.5880, 5.1331, 33.6873



96.9960, -13.8020, 40.3455

# Sweetspot

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



83.3120, -0.1538, -44.1236



132.8900, 0.0542, -17.4435



85.6850, -25.9737, -22.5257



65.2330, -0.1149, -9.8513



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



83.3120, -0.1538, -44.1236



102.4460, -0.2199, -69.6741



79.8190, 14.3862, -41.0603



51.9780, 0.0108, -3.4887



77.4570, -0.2253, -67.9298



162.1690, -0.5763, -142.2222



# Inverse Universe

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



58.6880, 0.1538, 44.1236



63.5540, 0.2199, 69.6741



62.1810, -14.3862, 41.0603



50.0220, -0.0108, 3.4887



39.5430, 0.2253, 67.9298



82.8310, 0.5763, 142.2222



# Previews

## White Background



This preview shows how the YUV color 83.3120, -0.1538, -44.1236 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 × Fail



# Black Background



This preview shows how the YUV color 83.3120, -0.1538, -44.1236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

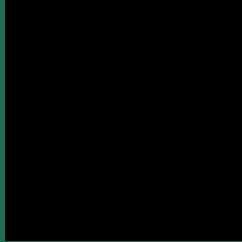
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.3120, -0.1538, -44.1236

## Background



This preview shows how black text looks on a background with the YUV color 83.3120, -0.1538, -44.1236.



This preview shows how white text looks on a background with the YUV color 83.3120, -0.1538,



# 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

83.3120, -0.1538, -44.1236

### Protanopia

95.6280, -9.1836, 5.5882

### Deuteranopia

97.1000, -4.9793, 10.4363



## Tritanopia

88.2710, 12.1914, -37.0717

# Trichromacy



## Original Color

83.3120, -0.1538, -44.1236

## Protanomaly

91.3160, -6.0718, -12.5551

## Deuteranomaly

92.1360, -3.0250, -9.7663

## Tritanomaly

86.1090, 7.8343, -39.5606

# Monochromacy



## Original Color

83.3120, -0.1538, -44.1236

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

82.9010, 0.0488, -15.6992

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.3120, -0.1538, -44.1236 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(33, 109, 83)` looks like.

```
.text, #text, p{  
    color:rgb(33, 109, 83)  
}
```

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(33, 109, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 109, 83) }
```

## Border

The CSS property to change the border of an element to YUV 83.3120, -0.1538, -44.1236 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(33, 109, 83) }
```



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

```
.border{ border-color:rgb(33, 109, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 109, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 109, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 109, 83);  
box-shadow:4px 4px 4px 4px rgb(33, 109,  
83) }
```

# Background

The CSS property to change the background color of an element to YUV 83.3120, -0.1538, -44.1236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 109, 83) }
```

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

```
.background{ background-color: rgb(33, 109,  
83) }
```

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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