

# Converting Colors

YUV(87.0680, -19.7535,  
35.8974)

Have a look what the booklet for  
YUV(87.0680, -19.7535, 35.8974)  
contains.

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# Color

**YUV(87.0680, -19.7535,  
35.8974)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	804A2F
RGB	128, 74, 47
RGB Percent	50%, 29%, 18%
CMY	0.4980, 0.7098, 0.8157
CMYK	0.00, 0.42, 0.63, 0.50
HSL	20°, 46%, 34%
HSV	20°, 63%, 50%
XYZ	11.8640, 9.6920, 3.9348
YIQ	87.0680, 40.8510, 3.0510

# Conversions

## Conversions Part 2

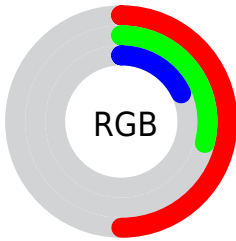
Format	Color
<a href="#">RYB</a>	<a href="#">128, 88, 47</a>
Decimal	<a href="#">8407599</a>
CIELab	<a href="#">37.28, 20.21, 25.75</a>
CIElCh	<a href="#">37, 32.731, 51.870</a>
Yxy	<a href="#">9.6920, 0.4654, 0.3802</a>
Android (android.graphics.Color)	<a href="#">4286597679</a> ( <a href="#">0xFF804A2F</a> )
YUV	<a href="#">87.0680, -19.7535, 35.8974</a>
Hunter-Lab	<a href="#">31.1320, 13.5429, 14.2987</a>

# Details

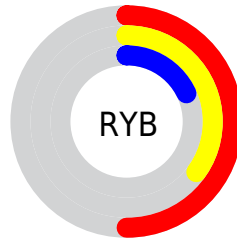
The YUV color **87.0680, -19.7535, 35.8974** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **87.9320, 19.7535, -35.8974**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.9330, -21.6590, 40.4008**, and **39.4480, -19.4479, 31.1791** is the 20% darker color. If you saturate the color by 10%, you get **80.3030, -22.8274, 41.8303**, and if you desaturate by 10%, it is **93.8330, -16.6797, 29.9645**.

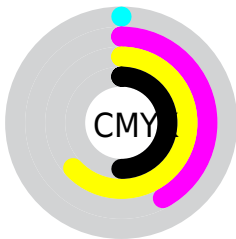
# Distribution



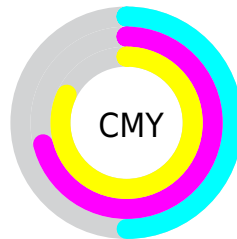
- Red (50%)
- Green (29%)
- Blue (18%)



- Red (50%)
- Yellow (35%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (63%)
- Black (50%)



- Cyan (50%)
- Magenta (71%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.0680, -19.7535, 35.8974 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 87.0680, -19.7535, 35.8974 by changing the saturation by 10% instead.



87.0680, -19.7535,  
35.8974

87.0680, -19.7535,  
35.8974

255.0000, 0.0000,  
0.0000

62.9860, -18.7271,  
33.3383

137.9330,  
-21.6590, 40.4008

39.4480, -19.4479,  
31.1791

164.7160,  
-22.5380, 42.3451

18.7600, -9.2487,  
26.5205

192.0860,  
-23.7064, 43.7746

5.6810, -2.8007,  
11.6808

215.4870,  
-21.9321, 34.6529

0.0000, 0.0000,  
0.0000

235.0010,  
-18.2415, 17.5391

251.6940,

-12.6671, 2.8994

■ 87.0680, -19.7535,  
35.8974

■ 87.0680, -19.7535,  
35.8974

■ 80.3030, -22.8274,  
41.8303

■ 93.8330, -16.6797,  
29.9645

■ 74.1250, -26.1906,  
47.2484

■ 100.0110,  
-13.3164, 24.5464

■ 67.4740, -28.8277,  
53.0813

■ 106.6620,  
-10.6794, 18.7134

■ 63.5130, -31.3119,  
56.5551

■ 112.8400, -7.3161,  
13.2953

■ 119.6050, -4.2423,  
7.3624

■ 125.7830, -0.8790,  
1.9443

■ 132.5480, 2.1948,  
-3.9886

■ 138.6120, 5.1213,  
-9.3067

■ 145.3770, 8.1951,  
-15.2396

# Harmonies

## Analogous

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



87.6850, -8.7187, 43.2493



87.0680, -19.7535, 35.8974



85.7750, -25.5251, 20.3683

# Triad

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



87.0680, -19.7535, 35.8974



68.2930, 5.2786, -59.8930



88.2480, 24.0347, -8.9875

# Complementary

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



87.0680, -19.7535, 35.8974



87.9320, 19.7535, -35.8974

# 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.



72.0460, 33.5013, -58.7993



87.0680, -19.7535, 35.8974



71.4850, 17.5089, -62.6923

# Square

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



87.0680, -19.7535, 35.8974



79.5290, -12.5858, -23.2659



72.2320, 27.9866, -63.3475



90.4320, 15.0700, 19.7921



# Rectangle

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



87.0680, -19.7535, 35.8974



84.5130, -24.9029, 7.4431



72.2320, 27.9866, -63.3475



85.4530, 26.3987, -20.5683

# Sweetspot

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



87.0680, -19.7535, 35.8974



150.0250, -7.9003, 14.0101



77.3750, 11.6471, 44.3981



74.2030, -4.5371, 8.5920



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.



87.0680, -19.7535, 35.8974



102.3280, -30.7277, 55.8403



111.1350, -31.6186, 14.7906



60.8540, -1.9000, 2.7590



63.5130, -31.3119, 56.5551



0.0000, 0.0000, 0.0000



# Inverse Universe

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



87.9320, 19.7535, -35.8974



103.6720, 30.7277, -55.8403



64.4520, 31.3292, -15.3054



60.7330, 1.6106, -3.2738



64.4870, 31.3119, -56.5551



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 87.0680, -19.7535, 35.8974 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 87.0680, -19.7535, 35.8974 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 87.0680, -19.7535, 35.8974

## Background



This preview shows how black text looks on a background with the YUV color 87.0680, -19.7535, 35.8974.



This preview shows how white text looks on a background with the YUV color 87.0680, -19.7535,

35.8974.

# 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

87.0680, -19.7535, 35.8974

### Protanopia

86.5870, -17.0514, 9.1322

### Deuteranopia

86.7300, -20.5729, 18.6538



## Tritanopia

88.6240, -6.2236, 36.2868

# Trichromacy



## Original Color

87.0680, -19.7535, 35.8974

## Protanomaly

86.7130, -18.0995, 18.6687

## Deuteranomaly

86.5890, -20.0104, 24.9164

## Tritanomaly

87.6580, -11.1704, 36.2569

# Monochromacy



## Original Color

87.0680, -19.7535, 35.8974

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

86.8400, -7.3161, 13.2953

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.0680, -19.7535, 35.8974 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(128, 74, 47)` looks like.

```
.text, #text, p{  
    color:rgb(128, 74, 47)  
}
```

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(128, 74, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 74, 47) }
```

## Border

The CSS property to change the border of an element to YUV 87.0680, -19.7535, 35.8974 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(128, 74, 47) }
```



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

```
.border{ border-color:rgb(128, 74, 47) }
```

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

Here you see how a box with a 4 pixel rgb(128, 74, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 74, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 74, 47);  
box-shadow:4px 4px 4px 4px rgb(128, 74,  
47) }
```

# Background

The CSS property to change the background color of an element to YUV 87.0680, -19.7535, 35.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 74, 47) }
```

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

```
.background{ background-color: rgb(128, 74,  
47) }
```

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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