

# Converting Colors

YUV(175.9910, -86.7636,  
62.2749)

Have a look what the booklet for  
YUV(175.9910, -86.7636, 62.2749)  
contains.

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# Color

**YUV(175.9910, -86.7636,  
62.2749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7AE00
RGB	247, 174, 0
RGB Percent	97%, 68%, 0%
CMY	0.0314, 0.3176, 1.0000
CMYK	0.00, 0.30, 1.00, 0.03
HSL	42°, 100%, 48%
HSV	42°, 100%, 97%
XYZ	53.4938, 50.0463, 6.8405
YIQ	175.9910, 99.3620, -38.6380

# Conversions

## Conversions Part 2

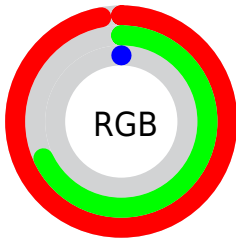
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 247, 0
Decimal	16231936
CIELab	76.10, 15.85, 79.28
CIELCh	76, 80.850, 78.698
Yxy	50.0463, 0.4846, 0.4534
Android (android.graphics.Color)	4294422016 (0xFF7AE00)
YUV	175.9910, -86.7636, 62.2749
Hunter-Lab	70.7434, 11.1749, 43.7874

# Details

The YUV color **175.9910, -86.7636, 62.2749** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **71.0090, 86.7636, -62.2749**, and the grayscale version is **177.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **219.9020, -68.4787, 30.7809**, and **126.9290, -62.5760, 50.9283** is the 20% darker color. If you saturate the color by 10%, you get **175.9910, -86.7636, 62.2749**, and if you desaturate by 10%, it is **182.9500, -77.8693, 56.1719**.

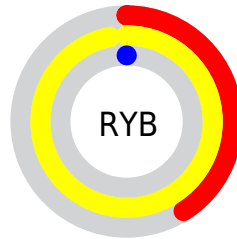
# Distribution



Red (97%)

Green (68%)

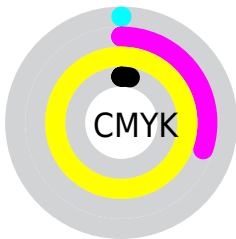
Blue (0%)



Red (41%)

Yellow (97%)

Blue (0%)

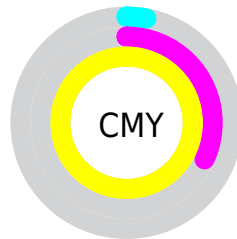


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (32%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 175.9910, -86.7636, 62.2749 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 175.9910, -86.7636, 62.2749 by changing the saturation by 10% instead.



175.9910,  
-86.7636, 62.2749

175.9910,  
-86.7636, 62.2749

255.0000, 0.0000,  
0.0000

151.4600,  
-74.6698, 56.6016

219.9020,  
-68.4787, 30.7809

126.9290,  
-62.5760, 50.9283

238.4700,  
-63.3357, 14.4968

103.2840,  
-50.9190, 45.3549

241.6620,  
-51.1054, 11.6974

80.5140, -39.6934,  
38.1372

244.9680,  
-38.4382, 8.7981

58.6410, -28.9100,  
32.7638

248.2740,  
-25.7711, 5.8987

37.9420, -18.7054,  
26.3609

251.5800,

17.2540, -8.5062,

-13.1039, 2.9993

21.7022

■ 0.0000, 0.0000,  
0.0000

■ 175.9910,  
-86.7636, 62.2749

■ 182.9500,  
-77.8693, 56.1719

■ 190.3820,  
-69.7013, 49.6540

■ 197.3410,  
-60.8071, 43.5509

■ 204.3000,  
-51.9129, 37.4479

■ 211.8460,  
-43.3081, 30.8301

■ 218.6910,  
-34.8507, 24.8270

■ 225.6500,  
-25.9565, 18.7239

■ 232.6090,  
-17.0622, 12.6209

■ 240.0410, -8.8942,  
6.1030

# Harmonies

## Analogous

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



168.2630, -45.4857, 76.0683



175.9910, -86.7636, 62.2749



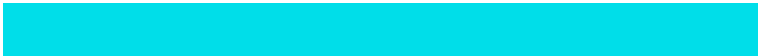
169.7470, -83.6853, 8.1149

# Triad

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



175.9910, -86.7636, 62.2749



156.8760, 37.5291, -137.5803



189.2230, 32.4281, 52.4244

# Complementary

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



175.9910, -86.7636, 62.2749



71.0090, 86.7636, -62.2749

# 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.



172.4040, 40.7198, -40.6963



175.9910, -86.7636, 62.2749



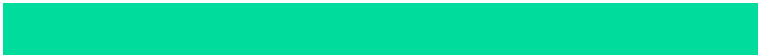
157.0360, 48.2963, -137.7206

# Square

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



175.9910, -86.7636, 62.2749



146.9240, 4.4745, -128.8523



148.8180, 52.3477, -130.5134



168.7160, 24.7900, 75.6711



# Rectangle

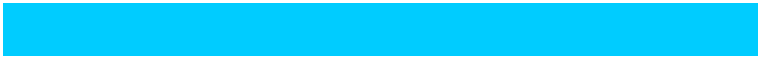
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



175.9910, -86.7636, 62.2749



165.6590, -53.5689, -38.2889



148.8180, 52.3477, -130.5134



186.9980, 33.5250, 27.1888

# Sweetspot

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



175.9910, -86.7636, 62.2749



232.8350, -26.5407, 19.4387



82.2890, -4.0865, 144.4515



114.5380, -16.0412, 11.8062



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



175.9910, -86.7636, 62.2749



181.9050, -89.6792, 64.1043



204.1910, -100.6662, -5.4295



118.8710, -4.3734, 2.7441



132.5110, -65.3279, 46.9099



41.7080, -20.5620, 15.1651



# Inverse Universe

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



71.0090, 86.7636, -62.2749



73.0950, 89.6792, -64.1043



42.8090, 100.6662, 5.4295



113.7160, 4.0840, -3.2589



53.4890, 65.3279, -46.9099



16.7050, 20.8514, -14.6503



# Previews

## White Background



This preview shows how the YUV color 175.9910, -86.7636, 62.2749 looks on a white 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



# Black Background



This preview shows how the YUV color 175.9910, -86.7636, 62.2749 looks on a black 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

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

# YUV 175.9910, -86.7636, 62.2749

## Background



This preview shows how black text looks on a background with the YUV color 175.9910, -86.7636, 62.2749.



This preview shows how white text looks on a background with the YUV color 175.9910, -86.7636, 62.2749.



# 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



### Protanopia

176.0410, -79.3932, 31.5360

### Deuteranopia

175.6480, -86.5945, 54.6827

### Tritanopia

191.1750, -8.4673, 55.9745

# Trichromacy



## Protanomaly

176.4230, -82.0465, 42.6020

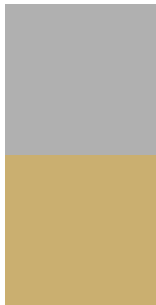
## Deuteranomaly

175.9580, -86.7473, 57.0418

## Tritanomaly

185.4440, -36.7009, 58.3696

# Monochromacy



## Achromatopsia

176.0000, 0.0000, 0.0000

## Achromatomaly

175.8910, -31.4983, 22.8976

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 175.9910, -86.7636, 62.2749 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(247, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 174, 0)  
}
```

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(247, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 174, 0) }
```

## Border

The CSS property to change the border of an element to YUV 175.9910, -86.7636, 62.2749 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(247, 174, 0) }
```

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

```
.border{ border-color:rgb(247, 174, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 174, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 174,  
0) }
```



# Background

The CSS property to change the background color of an element to YUV 175.9910, -86.7636, 62.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 174, 0) }
```

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

```
.background{ background-color: rgb(247,  
174, 0) }
```

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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