

# Converting Colors

YUV(112.7740, -14.6786,  
-98.9028)

Have a look what the booklet for  
YUV(112.7740, -14.6786, -98.9028)  
contains.

<b>YUV(112.7740, -14.6786, -98.9028)</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> .....	30

# Color

**YUV(112.7740, -14.6786,  
-98.9028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B053
RGB	0, 176, 83
RGB Percent	0%, 69%, 33%
CMY	1.0000, 0.3098, 0.6745
CMYK	1.00, 0.00, 0.53, 0.31
HSL	148°, 100%, 35%
HSV	148°, 100%, 69%
XYZ	17.0867, 31.6752, 13.3970
YIQ	112.7740, -75.0430, -66.2350

# Conversions

## Conversions Part 2

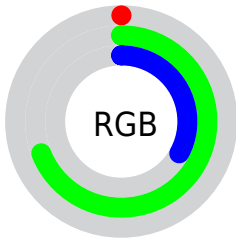
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 176
Decimal	45139
CIELab	63.07, -58.64, 36.86
CIELCh	63, 69.265, 147.849
Yxy	31.6752, 0.2749, 0.5096
Android (android.graphics.Color)	4278235219 (0xFF00B053)
YUV	112.7740, -14.6786, -98.9028
Hunter-Lab	56.2807, -44.2992, 25.2832

# Details

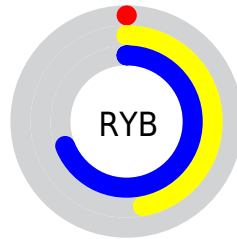
The YUV color **112.7740, -14.6786, -98.9028** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **63.2260, 14.6786, 98.9028**, and the grayscale version is **113.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **180.1530, -22.7534, -75.5562**, and **75.4900, -20.4546, -66.2047** is the 20% darker color. If you saturate the color by 10%, you get **112.7740, -14.6786, -98.9028**, and if you desaturate by 10%, it is **119.1820, -13.4007, -88.7366**.

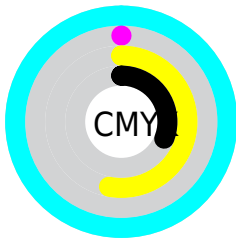
# Distribution



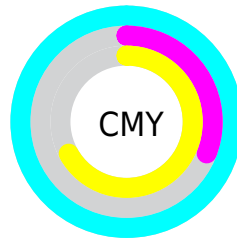
- Red (0%)
- Green (69%)
- Blue (33%)



- Red (0%)
- Yellow (47%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (31%)




- Cyan (100%)
- Magenta (31%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 112.7740, -14.6786, -98.9028 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 112.7740, -14.6786, -98.9028 by changing the saturation by 10% instead.





 112.7740,  
-14.6786, -98.9028


 112.7740,  
-14.6786, -98.9028


255.0000, 0.0000,  
0.0000


 94.0750, -17.7850,  
-82.5038


 180.1530,  
-22.7534, -75.5562


 75.4900, -20.4546,  
-66.2047


 205.4140,  
-21.8961, -70.5231

 57.0360, -25.1607,  
-50.0206


 217.5760,  
-14.0880, -54.8792

 41.0900, -20.2574,  
-36.0359

 229.7380, -6.2798,  
-39.2352

 28.1760, -13.8908,  
-24.7104

 242.0140, 1.9651,  
-23.6913

 11.1530, -5.4984,  
-9.7812

 252.3090, 1.3267,

 0.0000, 0.0000,

-5.5330

0.0000

■ 112.7740,  
-14.6786, -98.9028

■ 119.1820,  
-13.4007, -88.7366

■ 125.4050,  
-11.5387, -79.2852

■ 131.8130,  
-10.2608, -69.1190

■ 137.9220, -8.8355,  
-59.5676

■ 144.4440, -7.1209,  
-49.5014

■ 150.8520, -5.8430,  
-39.3352

■ 156.9610, -4.4178,  
-29.7838

■ 163.3690, -3.1399,  
-19.6176

■ 169.5920, -1.2779,  
-10.1662

# Harmonies

## Analogous

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



137.7380, -56.5658, -10.2942



112.7740, -14.6786, -98.9028



122.8910, 11.3927, -107.7754

# Triad

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



112.7740, -14.6786, -98.9028



123.5770, 64.7915, -108.3770



145.0570, -22.7061, 96.4200

# Complementary

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



112.7740, -14.6786, -98.9028



63.2260, 14.6786, 98.9028

# 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.



147.3150, 6.2537, 94.4397



112.7740, -14.6786, -98.9028



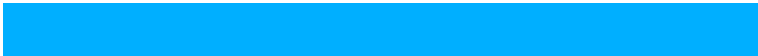
152.5340, 50.5157, -9.2383

# Square

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



112.7740, -14.6786, -98.9028



131.7950, 60.7401, -115.5842



155.3270, 31.3908, 58.4722



147.1720, -50.8638, 74.3942



# Rectangle

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



112.7740, -14.6786, -98.9028



127.7930, 30.1751, -112.0745



155.3270, 31.3908, 58.4722



143.8150, -12.2338, 97.5092

# Sweetspot

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



112.7740, -14.6786, -98.9028



205.1510, -5.9904, -38.7204



131.4180, -64.7891, -32.8156



99.9340, -3.4185, -23.6211



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



112.7740, -14.6786, -98.9028



147.3220, -19.3857, -129.2014



122.6920, 23.3228, -107.6009



85.8530, -0.4205, -5.1331



98.0190, -12.8274, -85.9627



16.6300, -2.2826, -14.5845



# Inverse Universe

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



63.2260, 14.6786, 98.9028



82.5640, 18.9489, 129.3014



53.3080, -23.3228, 107.6009



83.2610, 0.8573, 5.0331



54.9810, 12.8274, 85.9627



9.2560, 1.8458, 14.6845



# Previews

## White Background



This preview shows how the YUV color 112.7740, -14.6786, -98.9028 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 112.7740, -14.6786, -98.9028 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 112.7740, -14.6786, -98.9028 Background



This preview shows how black text looks on a background with the YUV color 112.7740, -14.6786, -98.9028.



This preview shows how white text looks on a background with the YUV color 112.7740, -14.6786, -98.9028.



# 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

148.0060, -35.9920, 17.5347

### Deuteranopia

150.5050, -29.3360, 29.3751

### Tritanopia

138.1800, 20.1243, -61.5479

# Trichromacy



## Protanomaly

135.3920, -28.2943, -24.8998

## Deuteranomaly

136.5870, -23.9534, -17.1778

## Tritanomaly

129.0630, 7.3639, -75.4773

# Monochromacy



## Achromatopsia

113.0000, 0.0000, 0.0000

## Achromatomaly

112.9880, -5.4171, -35.9465

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 112.7740, -14.6786, -98.9028 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(0, 176, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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(0, 176, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 83) }
```

## Border

The CSS property to change the border of an element to YUV 112.7740, -14.6786, -98.9028 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(0, 176, 83) }
```

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

```
.border{ border-color:rgb(0, 176, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 83)  
}
```



# Background

The CSS property to change the background color of an element to YUV 112.7740, -14.6786, -98.9028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 83) }
```

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

```
.background{ background-color: rgb(0, 176,  
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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