

# Converting Colors

YUV(109.1570, 34.9256,  
-95.7307)

Have a look what the booklet for  
YUV(109.1570, 34.9256, -95.7307)  
contains.

<b>YUV(109.1570, 34.9256, -95.7307)</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(109.1570, 34.9256,  
-95.7307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0097B4
RGB	0, 151, 180
RGB Percent	0%, 59%, 71%
CMY	1.0000, 0.4078, 0.2941
CMYK	1.00, 0.16, 0.00, 0.29
HSL	190°, 100%, 35%
HSV	190°, 100%, 71%
XYZ	19.3048, 25.4285, 47.0707
YIQ	109.1570, -99.3050, -22.9930

# Conversions

## Conversions Part 2

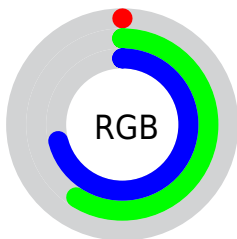
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 82, 180
Decimal	38836
CIELab	57.49, -22.86, -24.52
CIELCh	57, 33.523, 227.003
Yxy	25.4285, 0.2103, 0.2770
Android (android.graphics.Color)	4278228916 (0xFF0097B4)
YUV	109.1570, 34.9256, -95.7307
Hunter-Lab	50.4267, -19.9116, -20.0455

# Details

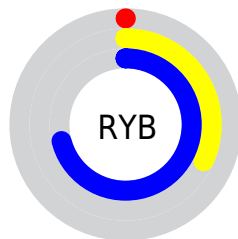
The YUV color **109.1570, 34.9256, -95.7307** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **70.8430, -34.9256, 95.7307**, and the grayscale version is **109.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **175.6440, 29.7555, -70.7248**, and **73.1780, 26.5342, -64.1771** is the 20% darker color. If you saturate the color by 10%, you get **109.1570, 34.9256, -95.7307**, and if you desaturate by 10%, it is **116.3000, 31.4041, -86.2091**.

# Distribution



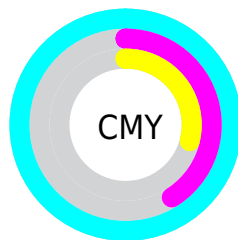
- Red (0%)
- Green (59%)
- Blue (71%)



- Red (0%)
- Yellow (32%)
- Blue (71%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (41%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 109.1570, 34.9256, -95.7307 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 109.1570, 34.9256, -95.7307 by changing the saturation by 10% instead.



■ 109.1570, 34.9256,  
-95.7307

■ 109.1570, 34.9256,  
-95.7307

■ 255.0000, 0.0000,  
0.0000

■ 90.8170, 30.6562,  
-79.6465

■ 175.6440, 29.7555,  
-70.7248

■ 73.1780, 26.5342,  
-64.1771

■ 204.1020, 25.0927,  
-68.4955

■ 56.2400, 22.5597,  
-49.3225

■ 225.3990, 14.5933,  
-60.8629

■ 40.0030, 18.7325,  
-35.0826

■ 234.6680, 10.0237,  
-41.8048

■ 25.6410, 14.4740,  
-22.4872

■ 243.6380, 5.6015,  
-23.3615

■ 5.0500, 14.2723,  
-4.4289

■ 252.6080, 1.1793,

■ 0.7980, 3.0576,

-4.9182

-0.6998

■ 0.0000, 0.0000,  
0.0000

■ 109.1570, 34.9256,  
-95.7307

■ 116.3000, 31.4041,  
-86.2091

■ 123.4430, 27.8826,  
-76.6875

■ 130.5860, 24.3611,  
-67.1659

■ 137.7290, 20.8396,  
-57.6443

■ 144.2850, 17.6075,  
-47.6079

■ 151.4280, 14.0860,  
-38.0864

■ 158.5710, 10.5645,  
-28.5648

■ 165.7140, 7.0430,  
-19.0432

■ 172.8570, 3.5215,  
-9.5216

# Harmonies

## Analogous

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



112.7380, 20.3422, -84.8392



109.1570, 34.9256, -95.7307



128.5740, 32.7480, -50.4924

# Triad

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



109.1570, 34.9256, -95.7307



141.9200, 4.9694, 39.5352



134.7470, -26.4973, 5.4839

# Complementary

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



109.1570, 34.9256, -95.7307



70.8430, -34.9256, 95.7307

# 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.



136.9500, -27.5833, 27.2309



109.1570, 34.9256, -95.7307



140.3050, -9.0244, 47.9675

# Square

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



109.1570, 34.9256, -95.7307



141.5180, 17.9856, 17.9627



138.7700, -21.0856, 43.1747



130.5140, -16.5224, -20.6218



# Rectangle

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



109.1570, 34.9256, -95.7307



135.6310, 29.7619, -25.9864



138.7700, -21.0856, 43.1747



135.4490, -27.8294, 12.7612

# Sweetspot

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



109.1570, 34.9256, -95.7307



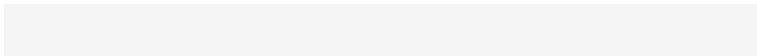
206.7270, 13.9386, -37.4716



108.7380, -40.2968, -95.3632



100.3330, 8.2168, -22.2170



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



109.1570, 34.9256, -95.7307



142.4290, 45.6375, -124.9102



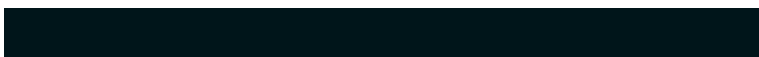
57.5010, 60.3920, -50.4284



85.7220, 1.6161, -5.0182



92.5780, 29.7880, -81.1909



15.2910, 5.2795, -13.4102



# Inverse Universe

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



71.0340, 39.4232, 95.5632



92.7230, 51.4086, 124.7769



122.4990, -60.3920, 50.4284



83.6030, 2.1677, 4.7332



60.3390, 33.3569, 81.2637



10.1680, 5.3402, 13.8847



# Previews

## White Background



This preview shows how the YUV color 109.1570, 34.9256, -95.7307 looks on a white 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



# Black Background



This preview shows how the YUV color 109.1570, 34.9256, -95.7307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

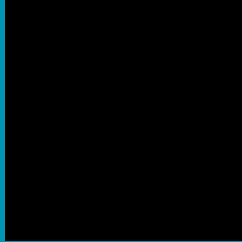
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 109.1570, 34.9256, -95.7307

## Background



This preview shows how black text looks on a background with the YUV color 109.1570, 34.9256, -95.7307.



This preview shows how white text looks on a background with the YUV color 109.1570, 34.9256, -95.7307.



# 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

137.9680, 15.2988, -6.9879

### Deuteranopia

137.5960, 22.8772, -11.0467

# Trichromacy



## Protanomaly

127.3060, 22.5271, -38.8564

## Deuteranomaly

127.5490, 27.3373, -41.7005

# Monochromacy



## Achromatopsia

109.0000, 0.0000, 0.0000

## Achromatomaly

108.8090, 12.9122, -34.9125

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.1570, 34.9256, -95.7307 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, 151, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 180)  
}
```

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, 151, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 180) }
```

## Border

The CSS property to change the border of an element to YUV 109.1570, 34.9256, -95.7307 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, 151, 180) }
```

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

```
.border{ border-color:rgb(0, 151, 180) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
180) }
```



# Background

The CSS property to change the background color of an element to YUV 109.1570, 34.9256, -95.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 180) }
```

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

```
.background{ background-color: rgb(0, 151,  
180) }
```

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