

# Converting Colors

YUV(70.9750, -34.9907,  
116.6629)

Have a look what the booklet for  
YUV(70.9750, -34.9907, 116.6629)  
contains.

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# Color

**YUV(70.9750, -34.9907,  
116.6629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC1100
RGB	204, 17, 0
RGB Percent	80%, 7%, 0%
CMY	0.2000, 0.9333, 1.0000
CMYK	0.00, 0.92, 1.00, 0.20
HSL	5°, 100%, 40%
HSV	5°, 100%, 80%
XYZ	25.1023, 13.2383, 1.2322
YIQ	70.9750, 116.9090, 34.3570

# Conversions

## Conversions Part 2

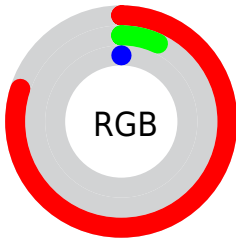
Format	Color
<a href="#">RYB</a>	204, 19, 0
Decimal	13373696
CIELab	43.12, 65.97, 57.03
CIELCh	43, 87.201, 40.843
Yxy	13.2383, 0.6343, 0.3345
Android (android.graphics.Color)	4291563776 (0xFFCC1100)
YUV	70.9750, -34.9907, 116.6629
Hunter-Lab	36.3844, 59.4777, 23.4612

# Details

The YUV color **70.9750, -34.9907, 116.6629** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **133.0250, 34.9907, -116.6629**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1170, -40.4837, 105.1374**, and **41.5610, -20.4896, 85.4540** is the 20% darker color. If you saturate the color by 10%, you get **70.9750, -34.9907, 116.6629**, and if you desaturate by 10%, it is **84.4080, -31.7531, 104.8822**.

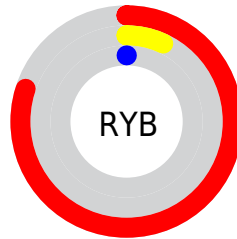
# Distribution



Red (80%)

Green (7%)

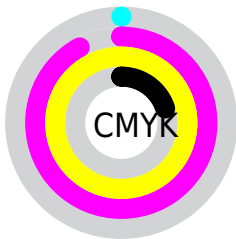
Blue (0%)



Red (80%)

Yellow (7%)

Blue (0%)

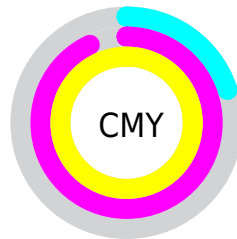


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (93%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 70.9750, -34.9907, 116.6629 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 70.9750, -34.9907, 116.6629 by changing the saturation by 10% instead.





 70.9750, -34.9907,  
116.6629

 70.9750, -34.9907,  
116.6629


 253.2900, -6.5520,  
1.4997

 51.4280, -25.3540,  
105.7416


 135.1170,  
-40.4837, 105.1374

 41.5610, -20.4896,  
85.4540


 154.9900,  
-37.9561, 87.7088


 32.2920, -15.9200,  
66.3959

 174.8630,  
-35.4285, 70.2801

 23.2510, -10.4767,  
47.1379

 194.8500,  
-32.4641, 52.7516

 14.2810, -6.0545,  
28.6946


 214.9510,  
-29.0628, 35.1230


 0.0000, 0.0000,  
0.0000


 235.6390,


-25.9510, 16.9796

 249.9840,  
-19.2191, 4.3990


 70.9750, -34.9907,  
116.6629

 84.4080, -31.7531,  
104.8822

 97.3680, -27.7894,  
93.5163

 110.8010,  
-24.5519, 81.7355

 124.3480,  
-20.8776, 69.8548

 137.7810,  
-17.6400, 58.0741

■ 150.6270,  
-14.1131, 46.8081

■ 164.1740,  
-10.4388, 34.9274

■ 177.6070, -7.2013,  
23.1467

■ 190.5670, -3.2375,  
11.7807

# Harmonies

## Analogous

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



75.1990, 2.3669, 127.8675



70.9750, -34.9907, 116.6629



95.0990, -46.8838, 57.7952

# Triad

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



70.9750, -34.9907, 116.6629



80.2490, -14.9128, -70.3784



89.2060, 77.7924, -78.2337

# Complementary

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



70.9750, -34.9907, 116.6629



133.0250, 34.9907, -116.6629

# 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.



99.6750, 69.6732, -87.4150



70.9750, -34.9907, 116.6629



90.7880, 17.8525, -79.6211

# Square

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



70.9750, -34.9907, 116.6629



71.0270, -35.0163, -62.2907



98.6540, 47.9916, -86.5196



100.7200, 55.3540, 25.6786



# Rectangle

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



70.9750, -34.9907, 116.6629



95.4770, -47.0702, 24.1377



98.6540, 47.9916, -86.5196



94.2440, 76.7877, -82.6520

# Sweetspot

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



70.9750, -34.9907, 116.6629



205.2460, -12.9393, 43.6343



82.3140, 51.6102, 106.7186



97.5150, -7.6489, 26.7353



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.



70.9750, -34.9907, 116.6629



88.5720, -43.6660, 145.9574



130.8490, -64.5086, 64.1534



95.5770, -1.7635, 5.6330



57.8520, -28.5210, 94.8458



13.1230, -6.4696, 21.8171



# Inverse Universe

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



133.0250, 34.9907, -116.6629



166.4280, 43.6660, -145.9574



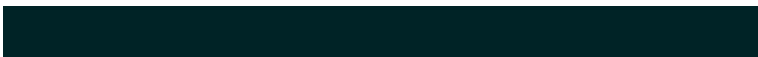
73.1510, 64.5086, -64.1534



98.4230, 1.7635, -5.6330



108.1480, 28.5210, -94.8458



24.8770, 6.4696, -21.8171



# Previews

## White Background



This preview shows how the YUV color 70.9750, -34.9907, 116.6629 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



## 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 70.9750, -34.9907, 116.6629

## Background



This preview shows how black text looks on a background with the YUV color 70.9750, -34.9907, 116.6629.



This preview shows how white text looks on a background with the YUV color 70.9750, -34.9907,



# 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

98.6960, -35.8391, 15.1756

### Deuteranopia

96.3960, -47.5232, 29.4707

### Tritanopia

71.5620, -35.2801, 116.1481

# Trichromacy



## Protanomaly

88.4540, -35.2268, 52.2218

## Deuteranomaly

87.4460, -43.1109, 60.9989

## Tritanomaly

71.5620, -35.2801, 116.1481

# Monochromacy



## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

70.6480, -12.6445, 42.4047

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.9750, -34.9907, 116.6629 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(204, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 17, 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(204, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 17, 0) }
```

## Border

The CSS property to change the border of an element to YUV 70.9750, -34.9907, 116.6629 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(204, 17, 0) }
```

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

```
.border{ border-color:rgb(204, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 17, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 70.9750, -34.9907, 116.6629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 17, 0) }
```

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

```
.background{ background-color: rgb(204, 17,  
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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