

# Converting Colors

YUV(22.3720, -11.0294, -9.0962)

Have a look what the booklet for  
YUV(22.3720, -11.0294, -9.0962)  
contains.

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# Color

**YUV(22.3720, -11.0294,  
-9.0962)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C2000
RGB	12, 32, 0
RGB Percent	5%, 13%, 0%
CMY	0.9529, 0.8745, 1.0000
CMYK	0.62, 0.00, 1.00, 0.87
HSL	98°, 100%, 6%
HSV	98°, 100%, 13%
XYZ	0.6681, 1.1112, 0.1793
YIQ	22.3720, -1.6480, -14.1920

# Conversions

## Conversions Part 2

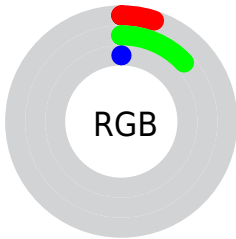
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 32, 20
Decimal	794624
CIELab	9.89, -15.24, 14.48
CIELCh	10, 21.022, 136.466
Yxy	1.1112, 0.3411, 0.5673
Android (android.graphics.Color)	4278984704 (0xFF0C2000)
YUV	22.3720, -11.0294, -9.0962
Hunter-Lab	10.5413, -7.1335, 6.3706

# Details

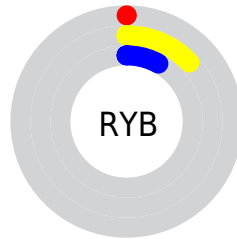
The YUV color **22.3720, -11.0294, -9.0962** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9.6280, 11.0294, 9.0962**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **66.1160, -9.4242, -10.6257**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **22.3720, -11.0294, -9.0962**, and if you desaturate by 10%, it is **23.3120, -10.0138, -8.1666**.

# Distribution



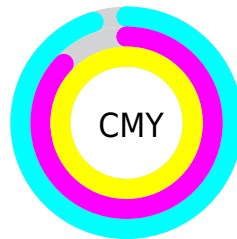
- Red (5%)
- Green (13%)
- Blue (0%)



- Red (0%)
- Yellow (13%)
- Blue (8%)



- Cyan (62%)
- Magenta (0%)
- Yellow (100%)
- Black (87%)



- Cyan (95%)
- Magenta (87%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 22.3720, -11.0294, -9.0962 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 22.3720, -11.0294, -9.0962 by changing the saturation by 10% instead.



■ 22.3720, -11.0294,  
-9.0962

■ 22.3720, -11.0294,  
-9.0962

■ 245.7140, -9.7190,  
-9.3962

■ 0.0000, 0.0000,  
0.0000

■ 66.1160, -9.4242,  
-10.6257

■ 89.7030, -9.7136,  
-11.1405


■ 114.2900,  
-10.0030, -11.6553


■ 139.7630,  
-10.7292, -12.0702


■ 166.6490,  
-11.1660, -11.9702


■ 193.9370,


-11.3079, -13.0997


 221.8230,  
-11.7447, -12.9998


 22.3720, -11.0294,  
-9.0962

 23.3120, -10.0138,  
-8.1666

 24.2520, -8.9982,  
-7.2370

 25.3060, -7.5459,  
-6.4074

 26.2460, -6.5303,  
-5.4777

 27.1860, -5.5147,  
-4.5481

■ 28.1260, -4.4991,  
-3.6185

■ 29.0660, -3.4835,  
-2.6889

■ 30.1200, -2.0312,  
-1.8592

■ 31.0600, -1.0156,  
-0.9296

# Harmonies

## Analogous

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



25.6940, -12.6671, 2.8994



22.3720, -11.0294, -9.0962



22.2380, -1.1033, -19.5027

# Triad

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



22.3720, -11.0294, -9.0962



24.4670, 15.0528, -21.4576



26.3450, -3.1281, 23.3764

# Complementary

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



22.3720, -11.0294, -9.0962



9.6280, 11.0294, 9.0962

# 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.



27.0440, 3.4293, 20.1324



22.3720, -11.0294, -9.0962



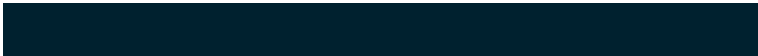
25.7180, 14.4360, -10.2767

# Square

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



22.3720, -11.0294, -9.0962



24.7290, 10.9796, -21.6873



28.4600, 9.1402, 8.3666



25.5160, -12.5794, 21.4725



# Rectangle

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



22.3720, -11.0294, -9.0962



23.3780, 3.2646, -20.5025



28.4600, 9.1402, 8.3666



26.3280, -0.6547, 23.3913

# Sweetspot

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



22.3720, -11.0294, -9.0962



37.2400, -4.0623, -3.7185



21.3080, -10.5048, 9.3769



18.0060, -2.4680, -1.7593



148.0000, 0.0000, 0.0000



20.0000, 0.0000, 0.0000



# Same Dimension

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



22.3720, -11.0294, -9.0962



28.5520, -14.0761, -11.8851



19.2400, -7.5133, -16.8735



14.5870, -0.2894, -0.5148



55.3430, -27.2841, -22.2258



144.5320, -71.2543, -59.2256



# Inverse Universe

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



9.6280, 11.0294, 9.0962



12.4480, 14.0761, 11.8851



12.7600, 7.5133, 16.8735



14.4130, 0.2894, 0.5148



23.6570, 27.2841, 22.2258

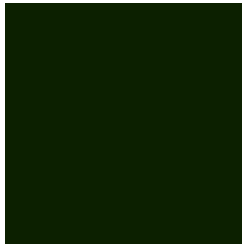


62.1690, 71.4017, 58.6108



# Previews

## White Background



This preview shows how the YUV color 22.3720, -11.0294, -9.0962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

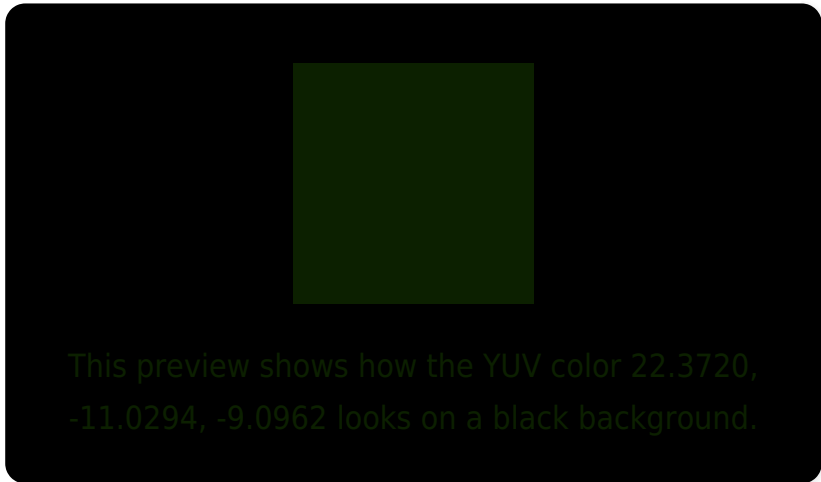
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

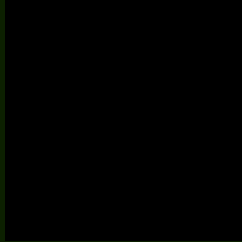
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 22.3720, -11.0294, -9.0962

## Background



This preview shows how black text looks on a background with the YUV color 22.3720, -11.0294, -9.0962.



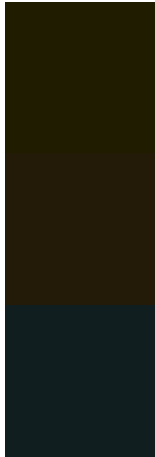
This preview shows how white text looks on a background with the YUV color 22.3720, -11.0294,

-9.0962.

# 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

25.7050, -12.6726, 4.6437

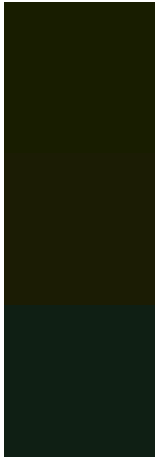
### Deuteranopia

26.5250, -9.6258, 7.4326

### Tritanopia

26.3410, 2.7899, -8.1921

# Trichromacy



## Protanomaly

24.1990, -11.9301, -0.1745

## Deuteranomaly

24.9650, -10.3357, 1.7847

## Tritanomaly

24.9620, -2.4463, -8.7367

# Monochromacy



## Achromatopsia

22.0000, 0.0000, 0.0000

## Achromatomaly

22.2400, -4.0623, -3.7185

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 22.3720, -11.0294, -9.0962 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(12, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 32, 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(12, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 32, 0) }
```

## Border

The CSS property to change the border of an element to YUV 22.3720, -11.0294, -9.0962 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(12, 32, 0) }
```

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

```
.border{ border-color:rgb(12, 32, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 32, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 32, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(12, 32, 0); box-shadow:4px  
4px 4px 4px rgb(12, 32, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 22.3720, -11.0294, -9.0962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 32, 0) }
```

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

```
.background{ background-color: rgb(12, 32,  
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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