

# Converting Colors

YUV(21.9760, 2.9698, -19.2730)

Have a look what the booklet for  
YUV(21.9760, 2.9698, -19.2730)  
contains.

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# Color

**YUV(21.9760, 2.9698,  
-19.2730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00201C
RGB	0, 32, 28
RGB Percent	0%, 13%, 11%
CMY	1.0000, 0.8745, 0.8902
CMYK	1.00, 0.00, 0.12, 0.87
HSL	172°, 100%, 6%
HSV	172°, 100%, 13%
XYZ	0.7261, 1.1169, 1.2759
YIQ	21.9760, -17.7880, -8.0280

# Conversions

## Conversions Part 2

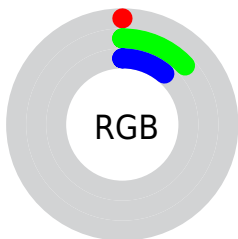
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 17, 32
Decimal	8220
CIELab	9.93, -13.05, -0.72
CIELCh	10, 13.074, 183.164
Yxy	1.1169, 0.2328, 0.3581
Android (android.graphics.Color)	4278198300 (0xFF00201C)
YUV	21.9760, 2.9698, -19.2730
Hunter-Lab	10.5682, -6.2300, 0.2395

# Details

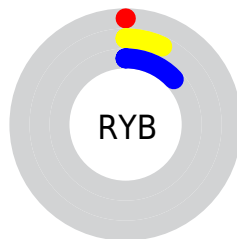
The YUV color **21.9760, 2.9698, -19.2730** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10.0240, -2.9698, 19.2730**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **66.1610, 2.3856, -18.5582**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.9760, 2.9698, -19.2730**, and if you desaturate by 10%, it is **22.8730, 2.5276, -17.4286**.

# Distribution



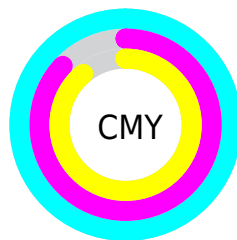
- Red (0%)
- Green (13%)
- Blue (11%)



- Red (0%)
- Yellow (7%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (87%)



- Cyan (100%)
- Magenta (87%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 21.9760, 2.9698, -19.2730 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 21.9760, 2.9698, -19.2730 by changing the saturation by 10% instead.



■ 21.9760, 2.9698,  
-19.2730

■ 21.9760, 2.9698,  
-19.2730

■ 246.3290, 4.2748,  
-17.8285

■ 0.1140, 0.4368,  
-0.1000

■ 66.1610, 2.3856,  
-18.5582

■ 0.0000, 0.0000,  
0.0000

■ 89.8620, 2.5330,  
-19.1730

■ 114.5630, 2.6804,  
-19.7878

■ 140.1500, 2.3910,  
-20.3026

■ 166.8510, 2.5385,  
-20.9173

■ 193.8510, 2.5385,

-20.9173

■ 222.1390, 2.3965,  
-22.0469

■ 21.9760, 2.9698,  
-19.2730

■ 22.8730, 2.5276,  
-17.4286

■ 23.8840, 2.5222,  
-15.6843

■ 25.0800, 1.9326,  
-13.2252

■ 26.0910, 1.9271,  
-11.4808

■ 26.9880, 1.4849,  
-9.6365

■ 27.8850, 1.0427,  
-7.7921

■ 28.8960, 1.0373,  
-6.0478

■ 30.0920, 0.4476,  
-3.5887

■ 31.1030, 0.4422,  
-1.8443

# Harmonies

## Analogous

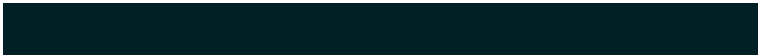
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.9510, -2.4408, -10.4810



21.9760, 2.9698, -19.2730



23.0020, 6.9010, -20.1728

# Triad

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



21.9760, 2.9698, -19.2730



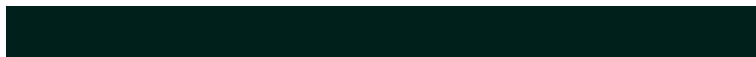
28.1340, 6.8359, 0.7595



26.9600, -9.3473, 11.4361

# Complementary

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



21.9760, 2.9698, -19.2730



10.0240, -2.9698, 19.2730

# 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.



27.5350, -4.7008, 14.4398



21.9760, 2.9698, -19.2730



28.5650, 3.1725, 9.1515

# Square

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



21.9760, 2.9698, -19.2730



26.0510, 9.3419, -9.6917



27.9740, -0.4802, 14.0548



26.1720, -10.9308, 5.9882



# Rectangle

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



21.9760, 2.9698, -19.2730



22.8710, 8.9376, -20.0579



27.9740, -0.4802, 14.0548



27.3130, -8.0423, 12.8805

# Sweetspot

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



21.9760, 2.9698, -19.2730



37.1840, 0.8953, -7.1774



19.9800, -9.8501, -14.0145



17.7930, 0.5951, -4.2035



148.0000, 0.0000, 0.0000

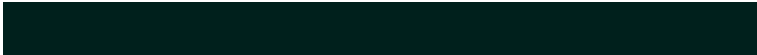


20.0000, 0.0000, 0.0000



# Same Dimension

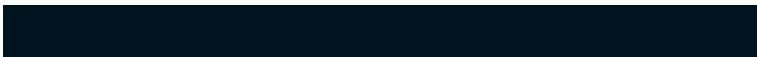
The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9760, 2.9698, -19.2730



28.1710, 3.8597, -24.7060



15.3880, 8.1897, -13.4953



14.7010, 0.1474, -0.6148



54.2390, 7.2772, -47.5676



142.1430, 19.1565, -124.6594



# Inverse Universe

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



10.0240, -2.9698, 19.2730



12.8290, -3.8597, 24.7060



16.6120, -8.1897, 13.4953



14.2990, -0.1474, 0.6148



24.7610, -7.2772, 47.5676

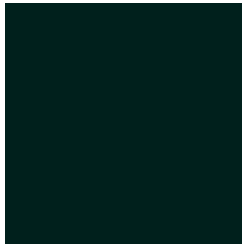


64.8570, -19.1565, 124.6594



# Previews

## White Background



This preview shows how the YUV color 21.9760, 2.9698, -19.2730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

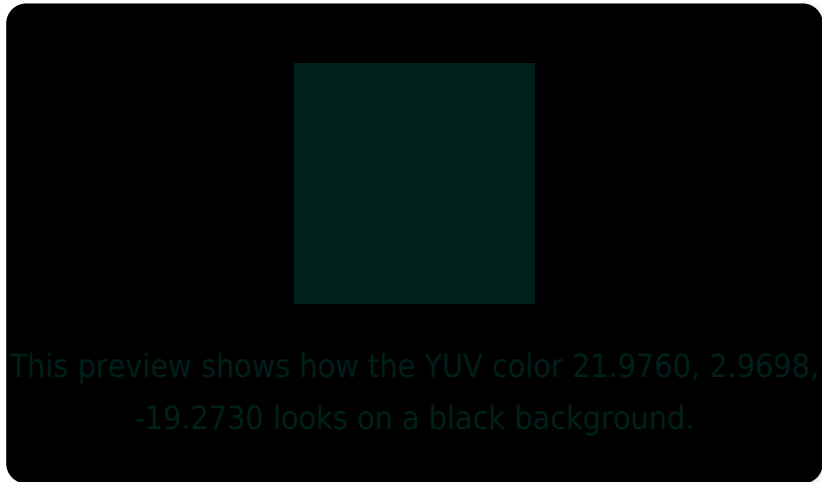
Any Text WCAG AA ✓ Pass

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

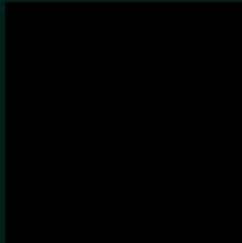
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 21.9760, 2.9698, -19.2730**

## **Background**



This preview shows how black text looks on a background with the YUV color 21.9760, 2.9698, -19.2730.



This preview shows how white text looks on a background with the YUV color 21.9760, 2.9698, -19.2730.

-19.2730.

# 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

28.0710, -1.0210, 0.8147

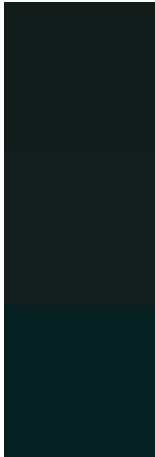
### Deuteranopia

28.4240, 0.2840, 2.2592

### Tritanopia

24.7640, 4.5533, -13.8250

# Trichromacy



## Protanomaly

25.4830, 0.7479, -6.5626

## Deuteranomaly

26.3090, 1.3267, -5.5330

## Tritanomaly

23.6390, 4.1220, -15.4694

# Monochromacy



## Achromatopsia

22.0000, 0.0000, 0.0000

## Achromatomaly

22.1840, 0.8953, -7.1774

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 21.9760, 2.9698, -19.2730 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, 32, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 32, 28)  
}
```

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, 32, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 32, 28) }
```

## Border

The CSS property to change the border of an element to YUV 21.9760, 2.9698, -19.2730 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, 32, 28) }
```

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

```
.border{ border-color:rgb(0, 32, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 32, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 32, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 32, 28); box-shadow:4px  
4px 4px 4px rgb(0, 32, 28) }
```



# Background

The CSS property to change the background color of an element to YUV 21.9760, 2.9698, -19.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 32, 28) }
```

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

```
.background{ background-color: rgb(0, 32,  
28) }
```

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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