

# Converting Colors

YUV(28.1980, -13.9016,  
-21.2216)

Have a look what the booklet for  
YUV(28.1980, -13.9016, -21.2216)  
contains.

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# Color

**YUV(28.1980, -13.9016,  
-21.2216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	042E00
RGB	4, 46, 0
RGB Percent	2%, 18%, 0%
CMY	0.9843, 0.8196, 1.0000
CMYK	0.91, 0.00, 1.00, 0.82
HSL	115°, 100%, 9%
HSV	115°, 100%, 18%
XYZ	1.0271, 1.9798, 0.3280
YIQ	28.1980, -10.2660, -23.2100

# Conversions

## Conversions Part 2

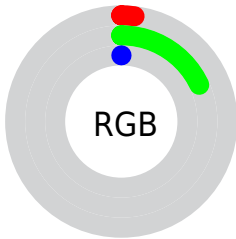
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 46, 42
Decimal	273920
CIELab	15.38, -24.72, 21.83
CIELCh	15, 32.978, 138.558
Yxy	1.9798, 0.3080, 0.5937
Android (android.graphics.Color)	4278464000 (0xFF042E00)
YUV	28.1980, -13.9016, -21.2216
Hunter-Lab	14.0705, -11.5940, 8.4672

# Details

The YUV color **28.1980, -13.9016, -21.2216** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17.8020, 13.9016, 21.2216**, and the grayscale version is **28.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.4970, -14.0490, -20.6069**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.1980, -13.9016, -21.2216**, and if you desaturate by 10%, it is **29.9640, -12.3073, -19.2624**.

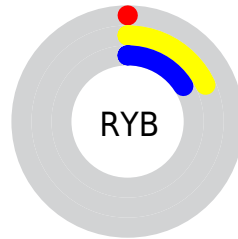
# Distribution



Red (2%)

Green (18%)

Blue (0%)



Red (0%)

Yellow (18%)

Blue (16%)

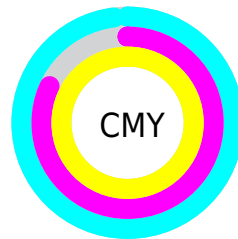


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (82%)



Cyan (98%)

Magenta (82%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 28.1980, -13.9016, -21.2216 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 28.1980, -13.9016, -21.2216 by changing the saturation by 10% instead.



■ 28.1980, -13.9016,  
-21.2216

■ 28.1980, -13.9016,  
-21.2216

■ 246.4260, -9.5770,  
-8.2666

■ 15.8490, -7.8136,  
-13.8996

■ 75.4970, -14.0490,  
-20.6069

■ 0.0000, 0.0000,  
0.0000

■ 99.9700, -14.7752,  
-21.0217


■ 124.8560,  
-15.2120, -20.9217


■ 151.3290,  
-15.9382, -21.3365


■ 177.9160,  
-16.2276, -21.8513


■ 205.3890,


-16.9538, -22.2662


 233.9760,  
-17.2432, -22.7810


 28.1980, -13.9016,  
-21.2216

 29.9640, -12.3073,  
-19.2624

 31.6160, -11.1497,  
-17.2032

 33.6810, -9.7027,  
-14.6292

 35.3330, -8.5452,  
-12.5700

 37.0990, -6.9508,  
-10.6108

■ 38.8650, -5.3564,  
-8.6516

■ 40.5170, -4.1989,  
-6.5924

■ 42.5820, -2.7519,  
-4.0184

■ 44.2340, -1.5944,  
-1.9592

# Harmonies

## Analogous

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



35.4180, -17.4611, 0.5104



28.1980, -13.9016, -21.2216



31.3680, -1.6604, -27.5097

# Triad

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



28.1980, -13.9016, -21.2216



35.4040, 23.9578, -31.0493



33.5150, -4.1979, 39.8903

# Complementary

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



28.1980, -13.9016, -21.2216



17.8020, 13.9016, 21.2216

# 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.



34.9410, 6.4381, 35.1317



28.1980, -13.9016, -21.2216



34.1820, 24.0673, -19.4536

# Square

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



28.1980, -13.9016, -21.2216



36.4980, 17.9955, -32.0087



39.6980, 14.9389, 15.1739



35.0290, -17.2693, 32.4236



# Rectangle

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



28.1980, -13.9016, -21.2216



33.8930, 5.4758, -29.7242



39.6980, 14.9389, 15.1739



33.2530, -0.1247, 40.1201

# Sweetspot

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



28.1980, -13.9016, -21.2216



52.1640, -5.5039, -8.0368



37.8210, -18.6458, 7.1730



26.7560, -3.3307, -5.0480



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



28.1980, -13.9016, -21.2216



36.1280, -17.8111, -27.2993



29.0540, -5.4496, -25.4804



22.1740, -0.5788, -1.0296



53.4610, -26.3563, -39.8693



131.2990, -64.7304, -98.4862



# Inverse Universe

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



17.8020, 13.9016, 21.2216



22.8720, 17.8111, 27.2993



16.9460, 5.4496, 25.4804



21.8260, 0.5788, 1.0296



33.5390, 26.3563, 39.8693



83.0000, 64.5830, 99.1010



# Previews

## White Background



This preview shows how the YUV color 28.1980, -13.9016, -21.2216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

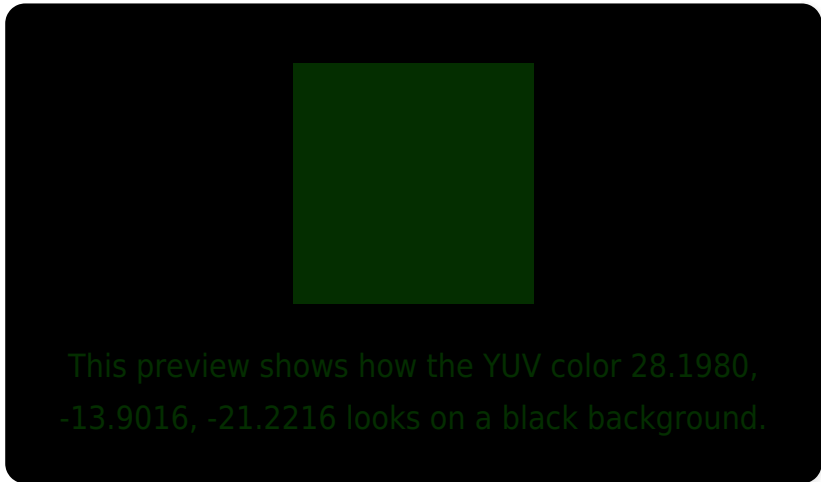
Any Text WCAG AA ✓ Pass

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 28.1980, -13.9016, -21.2216 Background



This preview shows how black text looks on a background with the YUV color 28.1980, -13.9016, -21.2216.



This preview shows how white text looks on a background with the YUV color 28.1980, -13.9016,



# 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



### Original Color

28.1980, -13.9016, -21.2216

### Protanopia

36.0490, -17.7722, 6.9730

### Deuteranopia

37.5100, -13.5624, 10.0767



## Tritanopia

36.4650, 4.7008, -14.4398

# Trichromacy



## Original Color

28.1980, -13.9016, -21.2216

## Protanomaly

33.3250, -16.4292, -3.7930

## Deuteranomaly

34.0310, -13.8193, -0.9042

## Tritanomaly

33.3200, -2.1298, -16.9436

# Monochromacy



## Original Color

28.1980, -13.9016, -21.2216

## Achromatopsia

28.0000, 0.0000, 0.0000

## Achromatomaly

28.2780, -5.0671, -8.1368

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 28.1980, -13.9016, -21.2216 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(4, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 46, 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(4, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 46, 0) }
```

## Border

The CSS property to change the border of an element to YUV 28.1980, -13.9016, -21.2216 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(4, 46, 0) }
```



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

```
.border{ border-color:rgb(4, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(4, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 46, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 46, 0); box-shadow:4px  
4px 4px 4px rgb(4, 46, 0) }
```

# Background

The CSS property to change the background color of an element to YUV 28.1980, -13.9016, -21.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 46, 0) }
```

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

```
.background{ background-color: rgb(4, 46,  
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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