

# Converting Colors

YUV(38.1760, -13.8908,  
-24.7104)

Have a look what the booklet for  
YUV(38.1760, -13.8908, -24.7104)  
contains.

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# Color

**YUV(38.1760, -13.8908,  
-24.7104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0A3A0A
RGB	10, 58, 10
RGB Percent	4%, 23%, 4%
CMY	0.9608, 0.7725, 0.9608
CMYK	0.83, 0.00, 0.83, 0.77
HSL	120°, 71%, 13%
HSV	120°, 83%, 23%
XYZ	1.6930, 3.1126, 0.7987
YIQ	38.1760, -13.2000, -25.1040

# Conversions

## Conversions Part 2

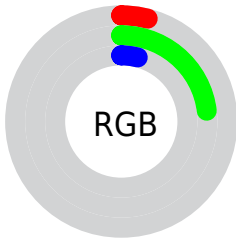
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 58, 58
Decimal	670218
CIELab	20.49, -26.70, 23.90
CIELCh	20, 35.836, 138.166
Yxy	3.1126, 0.3021, 0.5554
Android (android.graphics.Color)	4278860298 (0xFF0A3A0A)
YUV	38.1760, -13.8908, -24.7104
Hunter-Lab	17.6424, -13.7449, 9.6655

# Details

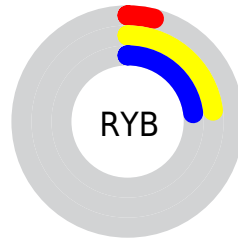
The YUV color **38.1760, -13.8908, -24.7104** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **29.8240, 13.8908, 24.7104**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.7310, -15.6434, -22.5661**, and **1.7610, -0.8682, -1.5444** is the 20% darker color. If you saturate the color by 10%, you get **35.6980, -15.6271, -27.7991**, and if you desaturate by 10%, it is **40.6540, -12.1544, -21.6216**.

# Distribution



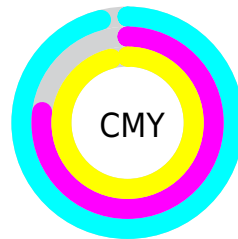
- Red (4%)
- Green (23%)
- Blue (4%)



- Red (4%)
- Yellow (23%)
- Blue (23%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (77%)



- Cyan (96%)
- Magenta (77%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 38.1760, -13.8908, -24.7104 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 38.1760, -13.8908, -24.7104 by changing the saturation by 10% instead.



■ 38.1760, -13.8908,  
-24.7104

■ 38.1760, -13.8908,  
-24.7104

■ 251.1540, -6.9779,  
-1.8891

■ 21.1320, -10.4181,  
-18.5328

■ 86.7310, -15.6434,  
-22.5661

■ 1.7610, -0.8682,  
-1.5444

■ 111.5030,  
-16.5170, -22.3661

■ 0.0000, 0.0000,  
0.0000


■ 137.6770,  
-17.0958, -23.3957


■ 164.1500,  
-17.8220, -23.8106


■ 191.0360,  
-18.2587, -23.7106


■ 219.5090,


-18.9849, -24.1254


 239.2910,  
-14.9335, -16.9182


 38.1760, -13.8908,  
-24.7104


 38.1760, -13.8908,  
-24.7104


 35.6980, -15.6271,  
-27.7991


 40.6540, -12.1544,  
-21.6216

 34.0460, -16.7847,  
-29.8583

 43.1320, -10.4181,  
-18.5328

 45.1970, -8.9711,  
-15.9588

 47.6750, -7.2348,  
-12.8700

 50.1530, -5.4984,  
-9.7812

■ 52.6310, -3.7621,  
-6.6924

■ 55.1090, -2.0257,  
-3.6036

■ 57.1740, -0.5788,  
-1.0296

■ 59.6520, 1.1576,  
2.0592

# Harmonies

## Analogous

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



45.1640, -22.2659, 1.6102



38.1760, -13.8908, -24.7104



39.5520, -0.7651, -34.6871

# Triad

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



38.1760, -13.8908, -24.7104



43.7990, 28.2001, -38.4117



44.7220, -4.7929, 44.0938

# Complementary

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



38.1760, -13.8908, -24.7104



29.8240, 13.8908, 24.7104

# 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.



47.0770, 6.8640, 38.5205



38.1760, -13.8908, -24.7104



45.5670, 26.8355, -20.6683

# Square

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



38.1760, -13.8908, -24.7104



45.2520, 21.0748, -39.6860



50.5780, 16.9700, 17.0331



45.7090, -18.5905, 36.2122



# Rectangle

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



38.1760, -13.8908, -24.7104



42.1910, 6.8078, -37.0015



50.5780, 16.9700, 17.0331



44.4600, -0.7198, 44.3236

# Sweetspot

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



38.1760, -13.8908, -24.7104



68.7400, -5.7878, -10.2960



52.5280, -20.9663, 4.7989



33.4570, -3.1833, -5.6628



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



38.1760, -13.8908, -24.7104



45.6120, -21.9937, -39.1247



40.9120, -3.4076, -27.1098



26.7610, -0.8682, -1.5444



54.0040, -26.6240, -47.3615



128.5530, -63.3766, -112.7410



# Inverse Universe

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



29.8240, 13.8908, 24.7104



32.3880, 21.9937, 39.1247



27.0880, 3.4076, 27.1098



26.2390, 0.8682, 1.5444



37.9960, 26.6240, 47.3615

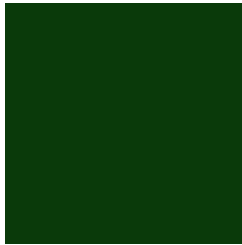


90.4470, 63.3766, 112.7410



# Previews

## White Background



This preview shows how the YUV color 38.1760, -13.8908, -24.7104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

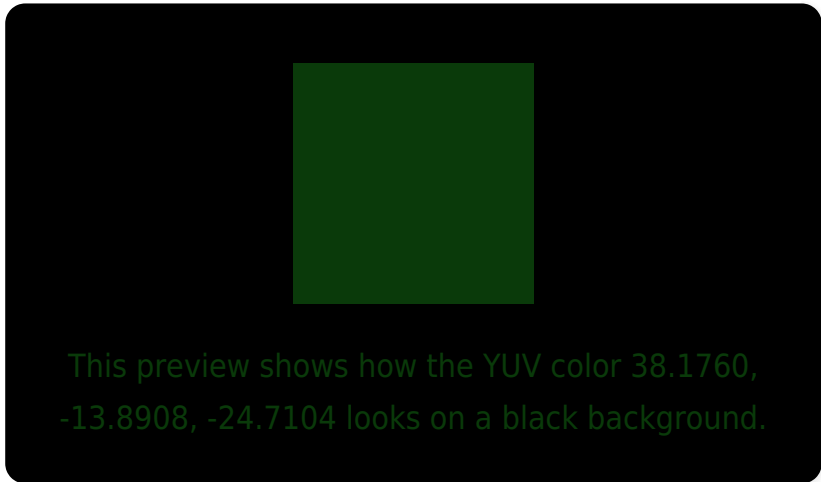
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

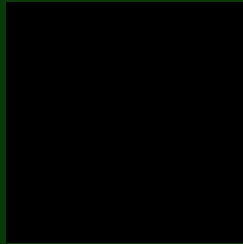
Any Text WCAG AA × Fail

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 38.1760, -13.8908, -24.7104 Background



This preview shows how black text looks on a background with the YUV color 38.1760, -13.8908, -24.7104.



This preview shows how white text looks on a background with the YUV color 38.1760, -13.8908,

-24.7104.

# 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

38.1760, -13.8908, -24.7104

### Protanopia

47.0060, -19.2300, 7.8877

### Deuteranopia

47.9510, -15.7518, 12.3210



## Tritanopia

46.0840, 5.8746, -17.6137

# Trichromacy



## Original Color

38.1760, -13.8908, -24.7104

## Protanomaly

43.7980, -17.1554, -4.2078

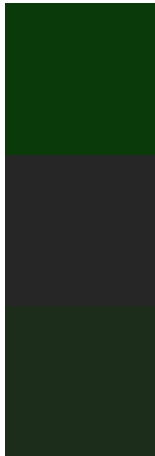
## Deuteranomaly

44.3900, -14.9823, -1.2190

## Tritanomaly

42.9390, -0.9559, -20.1175

# Monochromacy



## Original Color

38.1760, -13.8908, -24.7104

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

37.9790, -4.9196, -8.7516

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.1760, -13.8908, -24.7104 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(10, 58, 10)` looks like.

```
.text, #text, p{  
    color:rgb(10, 58, 10)  
}
```

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(10, 58, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 58, 10) }
```

## Border

The CSS property to change the border of an element to YUV 38.1760, -13.8908, -24.7104 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(10, 58, 10) }
```



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

```
.border{ border-color:rgb(10, 58, 10) }
```

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

Here you see how a box with a 4 pixel rgb(10, 58, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 58, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 58, 10);  
box-shadow:4px 4px 4px 4px rgb(10, 58, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 38.1760, -13.8908, -24.7104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 58, 10) }
```

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

```
.background{ background-color: rgb(10, 58,  
10) }
```

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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