

# Converting Colors

YUV(38.0920, -12.8634,  
19.2133)

Have a look what the booklet for  
YUV(38.0920, -12.8634, 19.2133)  
contains.

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# Color

**YUV(38.0920, -12.8634,  
19.2133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C200C
RGB	60, 32, 12
RGB Percent	24%, 13%, 5%
CMY	0.7647, 0.8745, 0.9529
CMYK	0.00, 0.47, 0.80, 0.76
HSL	25°, 67%, 14%
HSV	25°, 80%, 24%
XYZ	2.4464, 2.0202, 0.6088
YIQ	38.0920, 23.1080, -0.2840

# Conversions

## Conversions Part 2

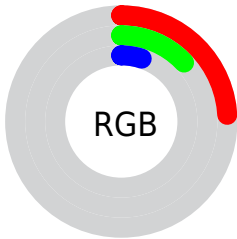
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 46, 12
Decimal	3940364
CIELab	15.59, 11.45, 18.18
CIELCh	16, 21.482, 57.793
Yxy	2.0202, 0.4820, 0.3980
Android (android.graphics.Color)	4282130444 (0xFF3C200C)
YUV	38.0920, -12.8634, 19.2133
Hunter-Lab	14.2135, 5.8490, 7.4097

# Details

The YUV color **38.0920, -12.8634, 19.2133** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **33.9080, 12.8634, -19.2133**, and the grayscale version is **38.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.7720, -14.1846, 23.0020**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.6470, -14.6160, 21.3576**, and if you desaturate by 10%, it is **41.1240, -11.4001, 16.5543**.

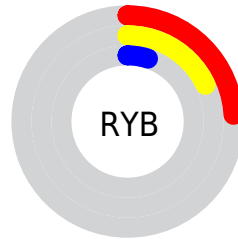
# Distribution



 Red (24%)

 Green (13%)

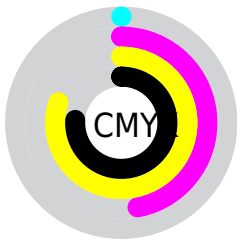
 Blue (5%)



 Red (24%)

 Yellow (18%)

 Blue (5%)

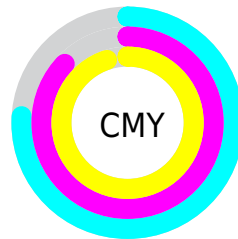


 Cyan (0%)


 Magenta (47%)

 Yellow (80%)

 Black (76%)



 Cyan (76%)

 Magenta (87%)

 Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 38.0920, -12.8634, 19.2133 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 38.0920, -12.8634, 19.2133 by changing the saturation by 10% instead.



■ 38.0920, -12.8634,  
19.2133

■ 38.0920, -12.8634,  
19.2133

■ 252.8340, -8.2992,  
1.8996

■ 17.5200, -8.6374,  
17.0840

■ 83.7720, -14.1846,  
23.0020

■ 0.0000, 0.0000,  
0.0000

■ 108.2560,  
-14.9162, 24.3315


■ 133.7400,  
-15.6478, 25.6610


■ 160.2240,  
-16.3794, 26.9906


■ 187.4090,  
-16.9636, 27.7053


■ 215.0070,


-17.2585, 28.9349


 237.3150,  
-14.4523, 15.5097


 38.0920, -12.8634,  
19.2133


 38.0920, -12.8634,  
19.2133


 35.6470, -14.6160,  
21.3576


 41.1240, -11.4001,  
16.5543

 32.6150, -16.0792,  
24.0166

 43.5690, -9.6475,  
14.4100

 46.6010, -8.1843,  
11.7509

 49.0460, -6.4317,  
9.6067

 51.4910, -4.6791,  
7.4624

■ 54.5230, -3.2158,  
4.8033

■ 56.9680, -1.4632,  
2.6591

■ 60.0000, 0.0000,  
0.0000

■ 62.4450, 1.7526,  
-2.1443

# Harmonies

## Analogous

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



38.5470, -6.1857, 24.0763



38.0920, -12.8634, 19.2133



37.2990, -16.9094, 10.2618

# Triad

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



38.0920, -12.8634, 19.2133



31.2200, 2.8495, -27.3799



39.4310, 13.0985, -1.2550

# Complementary

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



38.0920, -12.8634, 19.2133



33.9080, 12.8634, -19.2133

# 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.



32.2320, 18.1266, -27.3905



38.0920, -12.8634, 19.2133



33.0440, 9.8383, -28.9796

# Square

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



38.0920, -12.8634, 19.2133



32.8100, -5.3293, -17.3734



33.7110, 14.9325, -29.5645



40.0370, 7.3768, 13.9996



# Rectangle

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



38.0920, -12.8634, 19.2133



36.2980, -15.4299, 2.3697



33.7110, 14.9325, -29.5645



38.1420, 14.7200, -8.0175

# Sweetspot

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



38.0920, -12.8634, 19.2133



70.3770, -5.1159, 7.5624



29.5440, 5.1548, 26.7099



35.5230, -3.2158, 4.8033



168.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000



# Same Dimension

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



38.0920, -12.8634, 19.2133



44.5080, -20.4634, 30.2495



52.1800, -19.8087, 6.8581



29.4840, -0.7316, 1.3295



50.9990, -25.1425, 37.7119



120.3820, -59.3483, 89.1190



# Inverse Universe

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



33.9080, 12.8634, -19.2133



37.4920, 20.4634, -30.2495



19.8200, 19.8087, -6.8581



28.9290, 1.0210, -0.8147



43.0010, 25.1425, -37.7119

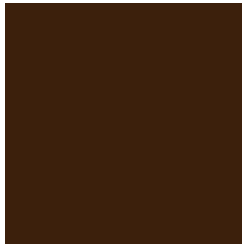


101.0310, 59.6377, -88.6042



# Previews

## White Background



This preview shows how the YUV color 38.0920, -12.8634, 19.2133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

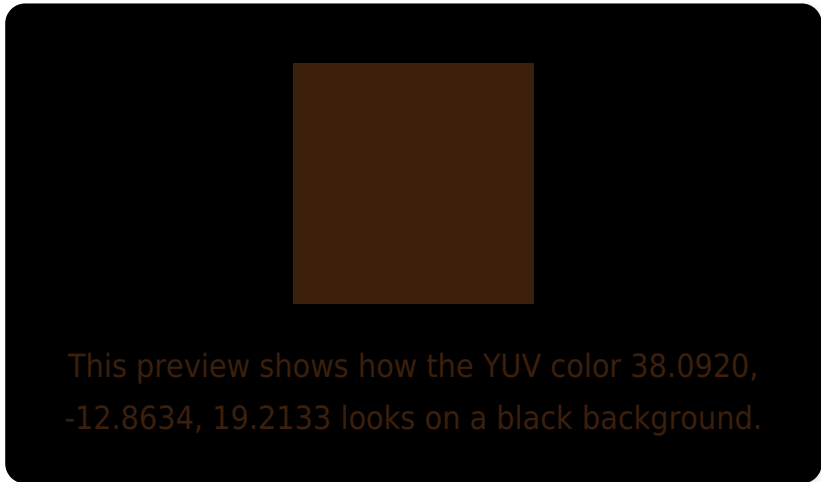
Any Text WCAG AA ✓ Pass

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

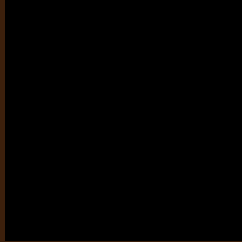
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 38.0920, -12.8634, 19.2133

## Background



This preview shows how black text looks on a background with the YUV color 38.0920, -12.8634, 19.2133.



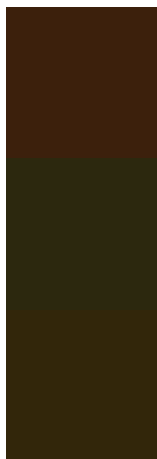
This preview shows how white text looks on a background with the YUV color 38.0920, -12.8634,



# 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

38.0920, -12.8634, 19.2133

### Protanopia

38.2320, -11.9464, 5.0585

### Deuteranopia

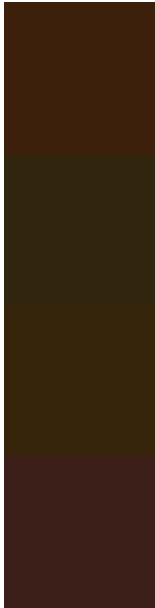
38.3960, -13.9992, 10.1767



## Tritanopia

39.4970, -3.6960, 18.8581

# Trichromacy



## Original Color

38.0920, -12.8634, 19.2133

## Protanomaly

38.1510, -12.3994, 10.3916

## Deuteranomaly

38.5320, -13.5733, 13.5654

## Tritanomaly

39.2860, -7.0430, 19.0432

# Monochromacy



## Original Color

38.0920, -12.8634, 19.2133

## Achromatopsia

38.0000, 0.0000, 0.0000

## Achromatomaly

38.1920, -4.5317, 6.8476

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.0920, -12.8634, 19.2133 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(60, 32, 12)` looks like.

```
.text, #text, p{  
    color:rgb(60, 32, 12)  
}
```

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(60, 32, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 32, 12) }
```

## Border

The CSS property to change the border of an element to YUV 38.0920, -12.8634, 19.2133 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(60, 32, 12) }
```



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

```
.border{ border-color:rgb(60, 32, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 32, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 32, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 32, 12);  
box-shadow:4px 4px 4px 4px rgb(60, 32, 12)  
}
```

# Background

The CSS property to change the background color of an element to YUV 38.0920, -12.8634, 19.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 32, 12) }
```

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

```
.background{ background-color: rgb(60, 32,  
12) }
```

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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