

# Converting Colors

YUV(38.7820, 0.6005, -5.9478)

Have a look what the booklet for  
YUV(38.7820, 0.6005, -5.9478)  
contains.

<b>YUV(38.7820, 0.6005, -5.9478)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(38.7820, 0.6005,  
-5.9478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	202A28
RGB	32, 42, 40
RGB Percent	13%, 16%, 16%
CMY	0.8745, 0.8353, 0.8431
CMYK	0.24, 0.00, 0.05, 0.84
HSL	168°, 14%, 15%
HSV	168°, 24%, 16%
XYZ	1.8066, 2.1162, 2.3207
YIQ	38.7820, -5.3180, -2.7420

# Conversions

## Conversions Part 2

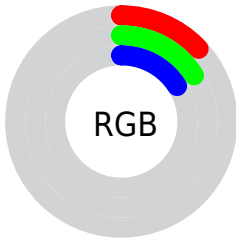
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 38, 42
Decimal	2107944
CIE Lab	16.09, -4.86, -0.13
CIE LCh	16, 4.864, 181.556
Yxy	2.1162, 0.2894, 0.3389
Android (android.graphics.Color)	4280298024 (0xFF202A28)
YUV	38.7820, 0.6005, -5.9478
Hunter-Lab	14.5472, -3.2895, 0.7244

# Details

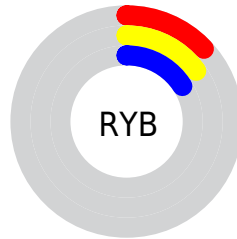
The YUV color **38.7820, 0.6005, -5.9478** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **35.2180, -0.6005, 5.9478**, and the grayscale version is **39.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.4830, 0.7479, -6.5626**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **37.4720, 0.7533, -8.3069**, and if you desaturate by 10%, it is **40.0920, 0.4476, -3.5887**.

# Distribution



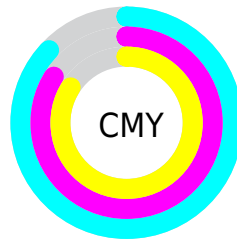
- Red (13%)
- Green (16%)
- Blue (16%)



- Red (13%)
- Yellow (15%)
- Blue (16%)



- Cyan (24%)
- Magenta (0%)
- Yellow (5%)
- Black (84%)



- Cyan (87%)
- Magenta (84%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 38.7820, 0.6005, -5.9478 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 38.7820, 0.6005, -5.9478 by changing the saturation by 10% instead.



■ 38.7820, 0.6005,  
-5.9478

■ 38.7820, 0.6005,  
-5.9478

255.0000, 0.0000,  
0.0000

■ 17.8850, 1.0427,  
-7.7921

■ 83.4830, 0.7479,  
-6.5626

■ 0.0000, 0.0000,  
0.0000

■ 108.0700, 0.4585,  
-7.0774

■ 133.0700, 0.4585,  
-7.0774

■ 159.1840, 0.8953,  
-7.1774

■ 186.1840, 0.8953,  
-7.1774

■ 213.7710, 0.6059,

-7.6922

■ 242.4720, 0.7533,  
-8.3069

■ 38.7820, 0.6005,  
-5.9478

■ 38.7820, 0.6005,  
-5.9478

■ 37.4720, 0.7533,  
-8.3069

■ 40.0920, 0.4476,  
-3.5887

■ 36.1620, 0.9061,  
-10.6661

■ 41.4020, 0.2948,  
-1.2296

■ 34.5530, 1.2064,  
-13.6400

■ 43.0110, -0.0054,  
1.7444

■ 33.3570, 1.7960,  
-16.0991

■ 44.2070, -0.5951,  
4.2035

■ 32.0470, 1.9488,  
-18.4582

■ 45.5170, -0.7479,  
6.5626

■ 30.7370, 2.1017,  
-20.8173

■ 46.8270, -0.9007,  
8.9217

■ 29.4270, 2.2545,  
-23.1765

■ 48.1370, -1.0535,  
11.2809

■ 28.5300, 2.6967,  
-25.0208

■ 49.7460, -1.3538,  
14.2548

■ 51.0560, -1.5066,  
16.6139

# Harmonies

## Analogous

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



39.3370, -1.1521, -3.8035



38.7820, 0.6005, -5.9478



38.8250, 2.0583, -6.8625

# Triad

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



38.7820, 0.6005, -5.9478



40.3960, 2.7628, 0.5297



40.5230, -3.2158, 4.8033

# Complementary

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



38.7820, 0.6005, -5.9478



35.2180, -0.6005, 5.9478

# 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.



40.4630, -2.2003, 5.7329



38.7820, 0.6005, -5.9478



40.6630, 1.1521, 3.8035

# Square

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



38.7820, 0.6005, -5.9478



39.6020, 3.6472, -3.1590



40.9190, -0.4531, 5.3330



40.0990, -3.4998, 2.5442



# Rectangle

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



38.7820, 0.6005, -5.9478



38.7650, 3.0739, -5.9329



40.9190, -0.4531, 5.3330



40.0500, -2.4896, 5.2182

# Sweetspot

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



38.7820, 0.6005, -5.9478



52.6900, 0.1528, -2.3591



38.4680, -3.1887, -3.9184



27.4020, 0.2948, -1.2296



156.0000, 0.0000, 0.0000



28.0000, 0.0000, 0.0000



# Same Dimension

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



38.7820, 0.6005, -5.9478



48.7600, 0.6113, -9.4365



37.2490, 2.3422, -4.6034



19.4020, 0.2948, -1.2296



56.9460, 4.9566, -49.9416



143.7100, 12.4680, -126.0337



# Inverse Universe

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



35.2180, -0.6005, 5.9478



43.1260, -1.0481, 9.5365



36.7510, -2.3422, 4.6034



18.7120, 0.1420, 1.1296



27.0540, -4.9566, 49.9416

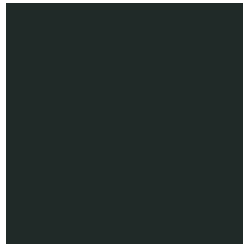


68.1760, -12.9048, 126.1336



# Previews

## White Background



This preview shows how the YUV color 38.7820, 0.6005, -5.9478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

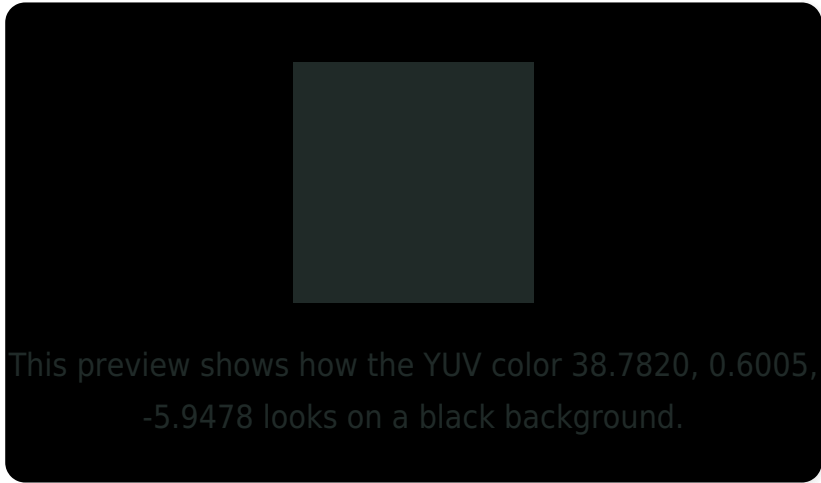
Any Text WCAG AA ✓ Pass

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

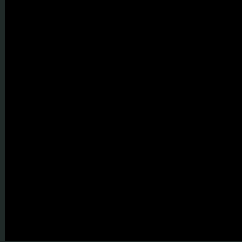
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

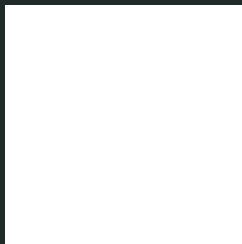
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YUV 38.7820, 0.6005, -5.9478**

## **Background**



This preview shows how black text looks on a background with the YUV color 38.7820, 0.6005, -5.9478.



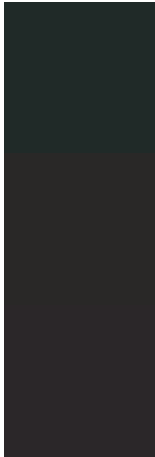
This preview shows how white text looks on a background with the YUV color 38.7820, 0.6005, -5.9478.

-5.9478.

# 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

38.7820, 0.6005, -5.9478

### Protanopia

40.1850, -0.5842, 0.7148

### Deuteranopia

40.4240, 0.2840, 2.2592



## Tritanopia

39.0640, 2.9264, -5.3181

# Trichromacy



## Original Color

38.7820, 0.6005, -5.9478

## Protanomaly

39.8750, -0.4314, -1.6444

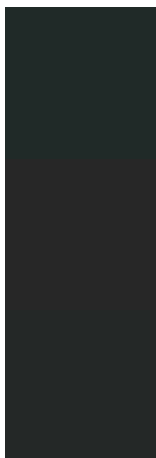
## Deuteranomaly

39.8150, 0.5842, -0.7148

## Tritanomaly

38.8360, 2.0529, -5.1182

# Monochromacy



## Original Color

38.7820, 0.6005, -5.9478

## Achromatopsia

39.0000, 0.0000, 0.0000

## Achromatomaly

38.6900, 0.1528, -2.3591

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 38.7820, 0.6005, -5.9478 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(32, 42, 40)` looks like.

```
.text, #text, p{  
    color:rgb(32, 42, 40)  
}
```

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(32, 42, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 42, 40) }
```

## Border

The CSS property to change the border of an element to YUV 38.7820, 0.6005, -5.9478 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(32, 42, 40) }
```



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

```
.border{ border-color:rgb(32, 42, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 42, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 42, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 42, 40);  
box-shadow:4px 4px 4px 4px rgb(32, 42, 40)  
}
```

# Background

The CSS property to change the background color of an element to YUV 38.7820, 0.6005, -5.9478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 42, 40) }
```

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

```
.background{ background-color: rgb(32, 42,  
40) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor