

# Converting Colors

YUV(46.7020, -4.7831, -5.8777)

Have a look what the booklet for  
YUV(46.7020, -4.7831, -5.8777)  
contains.

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# Color

**YUV(46.7020, -4.7831,  
-5.8777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	283425
RGB	40, 52, 37
RGB Percent	16%, 20%, 15%
CMY	0.8431, 0.7961, 0.8549
CMYK	0.23, 0.00, 0.29, 0.80
HSL	108°, 17%, 17%
HSV	108°, 29%, 20%
XYZ	2.4370, 3.0407, 2.2087
YIQ	46.7020, -2.3370, -7.2090

# Conversions

## Conversions Part 2

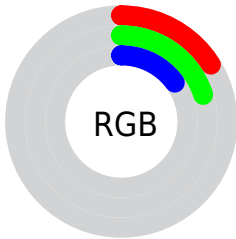
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 52, 49
Decimal	2634789
CIE Lab	20.21, -8.62, 7.88
CIE LCh	20, 11.680, 137.581
Yxy	3.0407, 0.3171, 0.3956
Android (android.graphics.Color)	4280824869 (0xFF283425)
YUV	46.7020, -4.7831, -5.8777
Hunter-Lab	17.4375, -5.5693, 4.6963

# Details

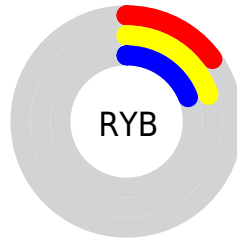
The YUV color **46.7020, -4.7831, -5.8777** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **42.2980, 4.7831, 5.8777**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.2890, -5.0725, -6.3925**, and **0.5870, -0.2894, -0.5148** is the 20% darker color. If you saturate the color by 10%, you get **44.9360, -6.3774, -7.8369**, and if you desaturate by 10%, it is **48.4680, -3.1887, -3.9184**.

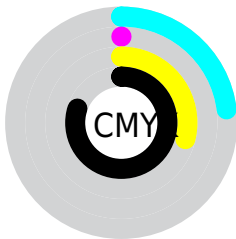
# Distribution



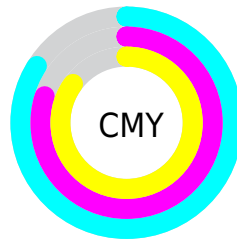
- Red (16%)
- Green (20%)
- Blue (15%)



- Red (15%)
- Yellow (20%)
- Blue (19%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (80%)



- Cyan (84%)
- Magenta (80%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.7020, -4.7831, -5.8777 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 46.7020, -4.7831, -5.8777 by changing the saturation by 10% instead.



■ 46.7020, -4.7831,  
-5.8777

■ 46.7020, -4.7831,  
-5.8777

255.0000, 0.0000,  
0.0000

■ 26.0010, -4.9305,  
-5.2629

■ 92.2890, -5.0725,  
-6.3925

■ 0.5870, -0.2894,  
-0.5148

■ 117.1750, -5.5093,  
-6.2925

■ 0.0000, 0.0000,  
0.0000

■ 142.7620, -5.7987,  
-6.8073

■ 169.3490, -6.0881,  
-7.3221

■ 196.3490, -6.0881,  
-7.3221

■ 224.3490, -6.0881,

-7.3221

250.3000, -5.0779,  
-4.6481

46.7020, -4.7831,  
-5.8777

46.7020, -4.7831,  
-5.8777

44.9360, -6.3774,  
-7.8369

48.4680, -3.1887,  
-3.9184

43.1700, -7.9718,  
-9.7961

50.2340, -1.5944,  
-1.9592

41.2900, -10.0030,  
-11.6553

52.1140, 0.4368,  
-0.1000

39.2250, -11.4499,  
-14.2293

54.1790, 1.8838,  
2.4740

37.4590, -13.0443,  
-16.1885

55.9450, 3.4781,  
4.4332

■ 35.6930, -14.6386,  
-18.1478

■ 57.7110, 5.0725,  
6.3925

■ 33.9270, -16.2330,  
-20.1070

■ 59.4770, 6.6668,  
8.3517

■ 33.5140, -16.5224,  
-20.6218

■ 61.3570, 8.6980,  
10.2109

■ 63.1230, 10.2924,  
12.1701

# Harmonies

## Analogous

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



47.9480, -7.8624, 1.7996



46.7020, -4.7831, -5.8777



45.2110, -0.1040, -13.3400

# Triad

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



46.7020, -4.7831, -5.8777



47.2140, 8.7685, -12.4657



49.9910, -2.9536, 14.0399

# Complementary

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



46.7020, -4.7831, -5.8777



42.2980, 4.7831, 5.8777

# 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.



50.1200, 1.4198, 11.2958



46.7020, -4.7831, -5.8777



49.0410, 7.8678, -3.5440

# Square

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



46.7020, -4.7831, -5.8777



45.2410, 7.7692, -18.6284



49.9990, 4.9305, 5.2629



49.0680, -6.4425, 13.0954



# Rectangle

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



46.7020, -4.7831, -5.8777



44.9870, 2.9644, -17.5286



49.9990, 4.9305, 5.2629



49.7460, -1.3538, 14.2548

# Sweetspot

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



46.7020, -4.7831, -5.8777



66.8210, -1.8838, -2.4740



48.5290, -5.6838, 3.0441



34.6470, -1.3050, -1.4444



163.0000, 0.0000, 0.0000



36.0000, 0.0000, 0.0000



# Same Dimension

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



46.7020, -4.7831, -5.8777



60.5830, -7.6824, -9.2813



46.3750, -2.1569, -8.2219



24.7610, -0.8682, -1.5444



57.6250, -28.4091, -34.7511



140.2360, -69.1363, -85.2760



# Inverse Universe

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



42.2980, 4.7831, 5.8777



53.4170, 7.6824, 9.2813



42.7390, 2.5937, 8.1219



23.9400, 1.0156, 0.9296



31.3750, 28.4091, 34.7511



76.4650, 69.2838, 84.6612



# Previews

## White Background



This preview shows how the YUV color 46.7020, -4.7831, -5.8777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

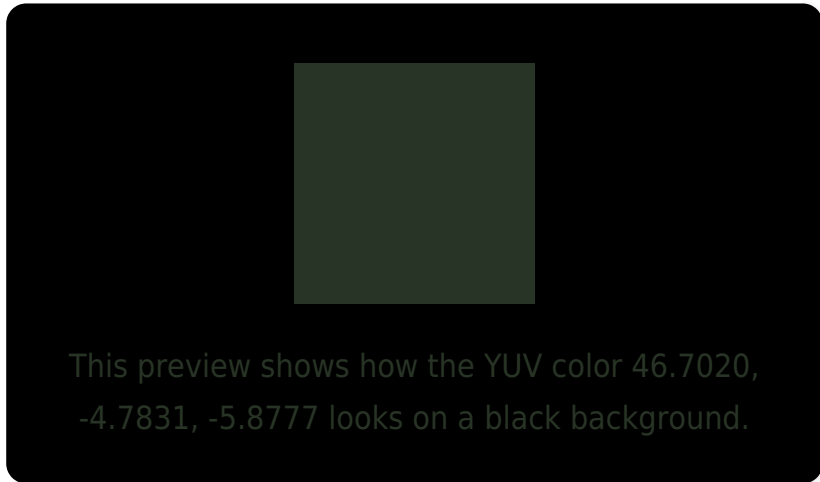
Any Text WCAG AA ✓ Pass

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 46.7020, -4.7831, -5.8777**

## **Background**



This preview shows how black text looks on a background with the YUV color 46.7020, -4.7831, -5.8777.



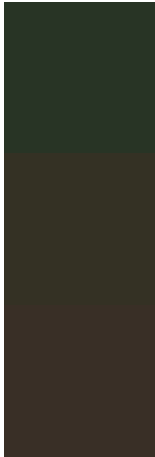
This preview shows how white text looks on a background with the YUV color 46.7020, -4.7831, -5.8777.

-5.8777.

# 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

46.7020, -4.7831, -5.8777

### Protanopia

48.4150, -6.1206, 3.1440

### Deuteranopia

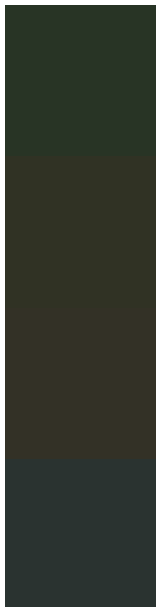
48.9640, -5.4053, 7.0476



## Tritanopia

48.3630, 2.7790, -4.7034

# Trichromacy



## Original Color

46.7020, -4.7831, -5.8777

## Protanomaly

47.8060, -5.8204, 0.1701

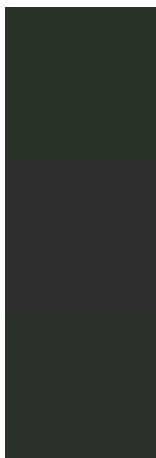
## Deuteranomaly

48.3440, -5.0996, 2.3293

## Tritanomaly

47.9670, 0.0163, -5.2331

# Monochromacy



## Original Color

46.7020, -4.7831, -5.8777

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.8210, -1.8838, -2.4740

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.7020, -4.7831, -5.8777 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(40, 52, 37)` looks like.

```
.text, #text, p{  
    color:rgb(40, 52, 37)  
}
```

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(40, 52, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 52, 37) }
```

## Border

The CSS property to change the border of an element to YUV 46.7020, -4.7831, -5.8777 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(40, 52, 37) }
```



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

```
.border{ border-color:rgb(40, 52, 37) }
```

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

Here you see how a box with a 4 pixel rgb(40, 52, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 52, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 52, 37);  
box-shadow:4px 4px 4px 4px rgb(40, 52, 37)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.7020, -4.7831, -5.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 52, 37) }
```

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

```
.background{ background-color: rgb(40, 52,  
37) }
```

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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