

# Converting Colors

YUV(46.6980, -8.7251, -1.4891)

Have a look what the booklet for  
YUV(46.6980, -8.7251, -1.4891)  
contains.

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# Color

**YUV(46.6980, -8.7251,  
-1.4891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D331D
RGB	45, 51, 29
RGB Percent	18%, 20%, 11%
CMY	0.8235, 0.8000, 0.8863
CMYK	0.12, 0.00, 0.43, 0.80
HSL	76°, 28%, 16%
HSV	76°, 43%, 20%
XYZ	2.4878, 3.0142, 1.6131
YIQ	46.6980, 3.4860, -8.1140

# Conversions

## Conversions Part 2

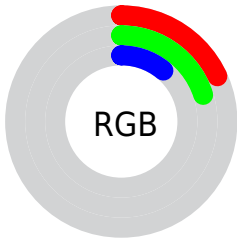
Format	Color
<b>RYB</b>	29, 51, 35
Decimal	2962205
CIELab	20.10, -7.15, 13.12
CIELCh	20, 14.945, 118.592
Yxy	3.0142, 0.3496, 0.4236
Android (android.graphics.Color)	4281152285 (0xFF2D331D)
YUV	46.6980, -8.7251, -1.4891
Hunter-Lab	17.3616, -4.8051, 6.6444

# Details

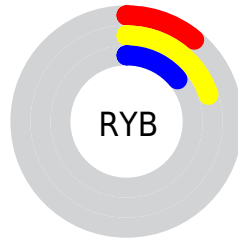
The YUV color **46.6980, -8.7251, -1.4891** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33.3020, 8.7251, 1.4891**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **92.4700, -9.5987, -1.2892**, and **0.5870, -0.2894, -0.5148** is the 20% darker color. If you saturate the color by 10%, you get **45.8290, -10.7617, -1.6040**, and if you desaturate by 10%, it is **47.5670, -6.6885, -1.3743**.

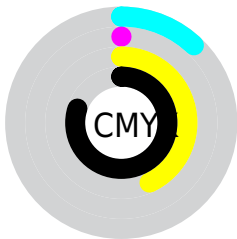
# Distribution



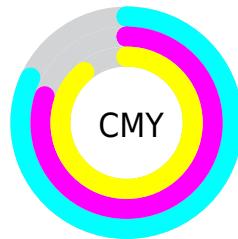
- Red (18%)
- Green (20%)
- Blue (11%)



- Red (11%)
- Yellow (20%)
- Blue (14%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (80%)



- Cyan (82%)
- Magenta (80%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.6980, -8.7251, -1.4891 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 46.6980, -8.7251, -1.4891 by changing the saturation by 10% instead.



■ 46.6980, -8.7251,  
-1.4891

■ 46.6980, -8.7251,  
-1.4891

255.0000, 0.0000,  
0.0000

■ 25.5410, -10.6197,  
-0.4745

■ 92.4700, -9.5987,  
-1.2892

■ 0.5870, -0.2894,  
-0.5148

■ 117.3560,  
-10.0355, -1.1892

■ 0.0000, 0.0000,  
0.0000


■ 142.9430,  
-10.3249, -1.7040


■ 169.1280,  
-10.9091, -0.9893


■ 196.7150,  
-11.1985, -1.5041


■ 224.6010,


-11.6353, -1.4041


 251.2530,  
-10.4777, 0.6551


 46.6980, -8.7251,  
-1.4891


 46.6980, -8.7251,  
-1.4891


 45.8290, -10.7617,  
-1.6040


 47.5670, -6.6885,  
-1.3743


 44.6610, -12.6509,  
-2.3337


 48.7350, -4.7994,  
-0.6446


 43.7920, -14.6875,  
-2.4486

 49.6040, -2.7628,  
-0.5297

 42.6240, -16.5766,  
-3.1782

 50.7720, -0.8736,  
0.2000

 41.6410, -19.0500,  
-3.1932

 51.7550, 1.5998,  
0.2149

■ 41.0000, -20.2130,  
-3.5080

■ 52.6240, 3.6364,  
0.3298

■ 53.7920, 5.5255,  
1.0594

■ 54.6610, 7.5621,  
1.1743

■ 55.8290, 9.4513,  
1.9040

# Harmonies

## Analogous

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



47.9980, -10.3520, 7.0178



46.6980, -8.7251, -1.4891



44.8970, -3.8932, -11.3107

# Triad

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



46.6980, -8.7251, -1.4891



43.2340, 11.7166, -24.7612



49.6970, -0.3436, 16.9287

# Complementary

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



46.6980, -8.7251, -1.4891



33.3020, 8.7251, 1.4891

# 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.



50.0320, 4.9142, 10.4959



46.6980, -8.7251, -1.4891



46.8980, 11.3893, -13.0655

# Square

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



46.6980, -8.7251, -1.4891



40.5170, 9.1121, -29.3944



49.4050, 9.1673, -0.3552



49.4430, -5.1484, 18.0285



# Rectangle

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



46.6980, -8.7251, -1.4891



43.5910, 0.2016, -18.0583



49.4050, 9.1673, -0.3552



50.1420, 1.4090, 14.7845

# Sweetspot

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



46.6980, -8.7251, -1.4891



64.4900, -3.1996, -0.4297



39.1000, -4.9793, 10.4363



32.1310, -2.0366, -0.1149



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000



# Same Dimension

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



46.6980, -8.7251, -1.4891



59.4330, -13.5245, -2.1337



43.4090, -7.1036, -8.2517



25.3590, -1.1630, -0.3148



71.6780, -35.3373, -5.8566



174.6210, -86.0882, -14.5766



# Inverse Universe

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



33.3020, 8.7251, 1.4891



38.5670, 13.5245, 2.1337



36.5910, 7.1036, 8.2517



23.6410, 1.1630, 0.3148



17.3220, 35.3373, 5.8566

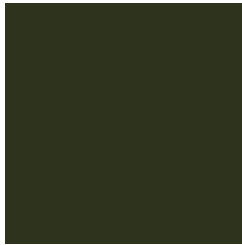


42.3790, 86.0882, 14.5766



# Previews

## White Background



This preview shows how the YUV color 46.6980, -8.7251, -1.4891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

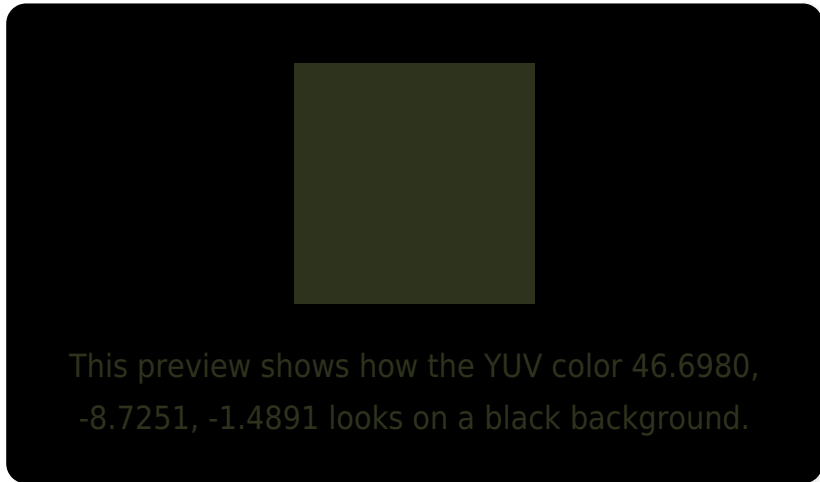
Any Text WCAG AA ✓ Pass

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

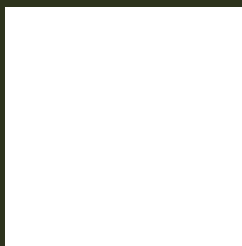
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 46.6980, -8.7251, -1.4891

## Background



This preview shows how black text looks on a background with the YUV color 46.6980, -8.7251, -1.4891.



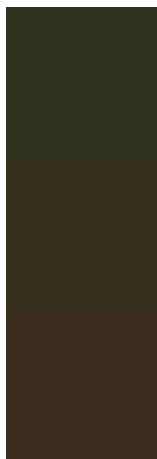
This preview shows how white text looks on a background with the YUV color 46.6980, -8.7251,

-1.4891.

# 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

46.6980, -8.7251, -1.4891

### Protanopia

47.8020, -9.7624, 4.5586

### Deuteranopia

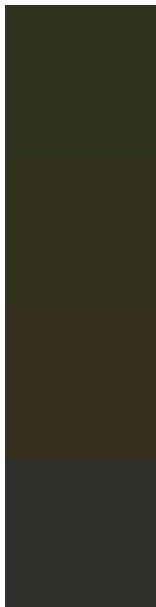
48.0630, -8.9051, 9.5917



## Tritanopia

48.4560, 1.7472, -0.3999

# Trichromacy



## Original Color

46.6980, -8.7251, -1.4891

## Protanomaly

47.4920, -9.6096, 2.1995

## Deuteranomaly

47.7420, -8.7468, 5.4883

## Tritanomaly

47.8320, -1.8892, -0.7297

# Monochromacy



## Original Color

46.6980, -8.7251, -1.4891

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.4900, -3.1996, -0.4297

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.6980, -8.7251, -1.4891 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(45, 51, 29)` looks like.

```
.text, #text, p{  
    color:rgb(45, 51, 29)  
}
```

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(45, 51, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 51, 29) }
```

## Border

The CSS property to change the border of an element to YUV 46.6980, -8.7251, -1.4891 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(45, 51, 29) }
```



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

```
.border{ border-color:rgb(45, 51, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 51, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 51, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 51, 29);  
box-shadow:4px 4px 4px 4px rgb(45, 51, 29)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.6980, -8.7251, -1.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 51, 29) }
```

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

```
.background{ background-color: rgb(45, 51,  
29) }
```

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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