

# Converting Colors

YUV(47.2850, -9.0145, -2.0039)

Have a look what the booklet for  
YUV(47.2850, -9.0145, -2.0039)  
contains.

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# Color

**YUV(47.2850, -9.0145,  
-2.0039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D341D
RGB	45, 52, 29
RGB Percent	18%, 20%, 11%
CMY	0.8235, 0.7961, 0.8863
CMYK	0.13, 0.00, 0.44, 0.80
HSL	78°, 28%, 16%
HSV	78°, 44%, 20%
XYZ	2.5320, 3.1026, 1.6278
YIQ	47.2850, 3.2110, -8.6370

# Conversions

## Conversions Part 2

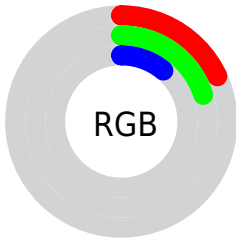
Format	Color
<b>RYB</b>	29, 52, 36
Decimal	2962461
CIELab	20.45, -7.78, 13.58
CIElCh	20, 15.649, 119.830
Yxy	3.1026, 0.3486, 0.4272
Android (android.graphics.Color)	4281152541 (0xFF2D341D)
YUV	47.2850, -9.0145, -2.0039
Hunter-Lab	17.6141, -5.1662, 6.8506

# Details

The YUV color **47.2850, -9.0145, -2.0039** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **33.7150, 9.0145, 2.0039**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0570, -9.8881, -1.8040**, and **1.7610, -0.8682, -1.5444** is the 20% darker color. If you saturate the color by 10%, you get **46.1170, -10.9037, -2.7336**, and if you desaturate by 10%, it is **48.4530, -7.1253, -1.2743**.

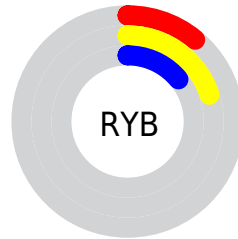
# Distribution



Red (18%)

Green (20%)

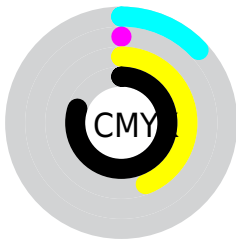
Blue (11%)



Red (11%)

Yellow (20%)

Blue (14%)

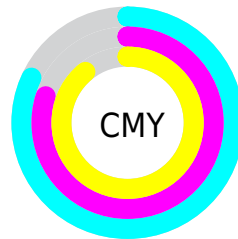


Cyan (13%)

Magenta (0%)

Yellow (44%)

Black (80%)



Cyan (82%)

Magenta (80%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.2850, -9.0145, -2.0039 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 47.2850, -9.0145, -2.0039 by changing the saturation by 10% instead.



■ 47.2850, -9.0145,  
-2.0039

■ 47.2850, -9.0145,  
-2.0039

255.0000, 0.0000,  
0.0000

■ 26.2420, -10.4723,  
-1.0892

■ 93.0570, -9.8881,  
-1.8040

■ 1.7610, -0.8682,  
-1.5444

■ 117.9430,  
-10.3249, -1.7040

■ 0.0000, 0.0000,  
0.0000


■ 143.8290,  
-10.7617, -1.6040


■ 170.3020,  
-11.4879, -2.0189


■ 197.3020,  
-11.4879, -2.0189


■ 225.3020,


-11.4879, -2.0189


 251.2530,  
-10.4777, 0.6551


 47.2850, -9.0145,  
-2.0039


 47.2850, -9.0145,  
-2.0039


 46.1170, -10.9037,  
-2.7336


 48.4530, -7.1253,  
-1.2743


 45.2480, -12.9403,  
-2.8485


 49.3220, -5.0887,  
-1.1594


 43.9660, -15.2662,  
-3.4782

 50.6040, -2.7628,  
-0.5297

 43.0970, -17.3028,  
-3.5931

 51.4730, -0.7262,  
-0.4148

 41.9290, -19.1920,  
-4.3227

 52.6410, 1.1630,  
0.3148

■ 41.2880, -20.3550,  
-4.6376

■ 53.5100, 3.1996,  
0.4297

■ 54.6780, 5.0887,  
1.1594

■ 55.9600, 7.4147,  
1.7891

■ 56.8290, 9.4513,  
1.9040

# Harmonies

## Analogous

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



48.7700, -11.2256, 7.2177



47.2850, -9.0145, -2.0039



45.1850, -4.0352, -12.4402

# Triad

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



47.2850, -9.0145, -2.0039



42.8640, 12.8850, -26.1907



50.4090, -0.2016, 18.0583

# Complementary

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



47.2850, -9.0145, -2.0039



33.7150, 9.0145, 2.0039

# 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.



50.7440, 5.0562, 11.6255



47.2850, -9.0145, -2.0039



47.4250, 12.1155, -12.6507

# Square

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



47.2850, -9.0145, -2.0039



40.3210, 9.7017, -31.8535



50.1170, 9.3093, 0.7744



49.6280, -5.7326, 18.7432



# Rectangle

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



47.2850, -9.0145, -2.0039



43.6940, 0.6439, -19.9026



50.1170, 9.3093, 0.7744



50.8540, 1.5510, 15.9140

# Sweetspot

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



47.2850, -9.0145, -2.0039



67.0770, -3.4890, -0.9445



39.9860, -5.4161, 10.5363



34.7180, -2.3260, -0.6297



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.



47.2850, -9.0145, -2.0039



61.4930, -14.5400, -3.0634



43.9960, -7.3930, -8.7665



25.3590, -1.1630, -0.3148



70.7810, -34.8950, -7.7009



172.5280, -85.0563, -18.8801



# Inverse Universe

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



33.7150, 9.0145, 2.0039



39.5070, 14.5400, 3.0634



37.0040, 7.3930, 8.7665



23.6410, 1.1630, 0.3148



18.2190, 34.8950, 7.7009



44.4720, 85.0563, 18.8801



# Previews

## White Background



This preview shows how the YUV color 47.2850, -9.0145, -2.0039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

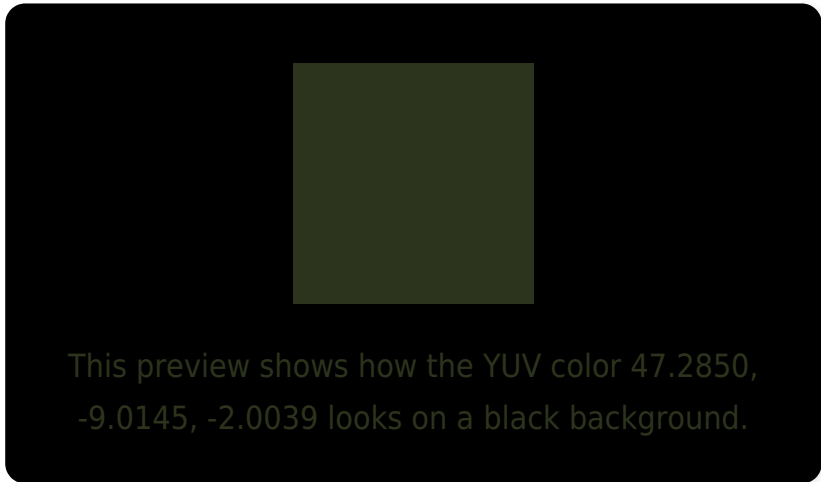
Any Text WCAG AA ✓ Pass

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

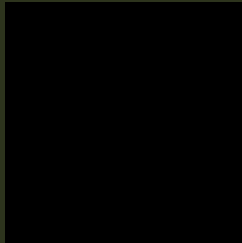
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 47.2850, -9.0145, -2.0039**

## **Background**



This preview shows how black text looks on a background with the YUV color 47.2850, -9.0145, -2.0039.



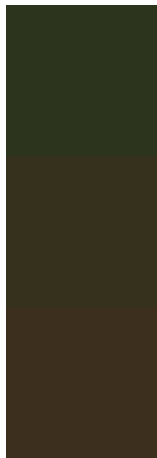
This preview shows how white text looks on a background with the YUV color 47.2850, -9.0145,

-2.0039.

# 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

47.2850, -9.0145, -2.0039

### Protanopia

48.1010, -9.9098, 5.1734

### Deuteranopia

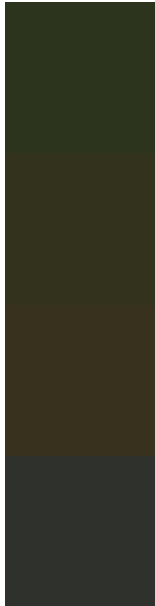
48.9490, -9.3419, 9.6917



**Tritanopia**

49.1570, 1.8946, -1.0147

# Trichromacy



## Original Color

47.2850, -9.0145, -2.0039

## Protanomaly

47.7910, -9.7570, 2.8143

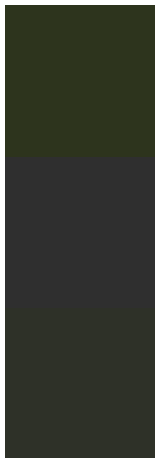
## Deuteranomaly

48.6280, -9.1836, 5.5882

## Tritanomaly

48.4190, -2.1786, -1.2445

# Monochromacy



## Original Color

47.2850, -9.0145, -2.0039

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.0770, -3.4890, -0.9445

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.2850, -9.0145, -2.0039 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, 52, 29)` looks like.

```
.text, #text, p{  
    color:rgb(45, 52, 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, 52, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 52, 29) }
```

## Border

The CSS property to change the border of an element to YUV 47.2850, -9.0145, -2.0039 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, 52, 29) }
```



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

```
.border{ border-color:rgb(45, 52, 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, 52, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 52, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 52, 29);  
box-shadow:4px 4px 4px 4px rgb(45, 52, 29)  
}
```

# Background

The CSS property to change the background color of an element to YUV 47.2850, -9.0145, -2.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 52, 29) }
```

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

```
.background{ background-color: rgb(45, 52,  
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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