

# Converting Colors

YUV(41.8150, -16.1778, 8.9322)

Have a look what the booklet for  
YUV(41.8150, -16.1778, 8.9322)  
contains.

<b>YUV(41.8150, -16.1778, 8.9322)</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(41.8150, -16.1778,  
8.9322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	342B09
RGB	52, 43, 9
RGB Percent	20%, 17%, 4%
CMY	0.7961, 0.8314, 0.9647
CMYK	0.00, 0.17, 0.83, 0.80
HSL	47°, 70%, 12%
HSV	47°, 83%, 20%
XYZ	2.3294, 2.4775, 0.6139
YIQ	41.8150, 16.2780, -8.6660

# Conversions

## Conversions Part 2

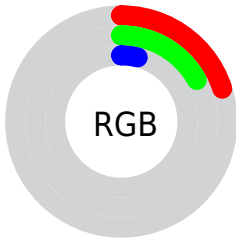
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	20, 52, 9
Decimal	3418889
CIE Lab	17.82, -0.53, 21.94
CIE LCh	18, 21.944, 91.377
Yxy	2.4775, 0.4297, 0.4570
Android (android.graphics.Color)	4281608969 (0xFF342B09)
YUV	41.8150, -16.1778, 8.9322
Hunter-Lab	15.7402, -1.1295, 8.7058

# Details

The YUV color **41.8150, -16.1778, 8.9322** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **19.1850, 16.1778, -8.9322**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **87.5980, -17.0568, 10.8766**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **40.6580, -18.0724, 9.9469**, and if you desaturate by 10%, it is **42.9720, -14.2832, 7.9176**.

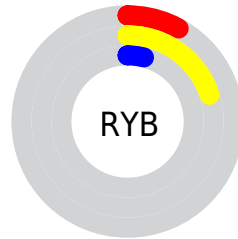
# Distribution



Red (20%)

Green (17%)

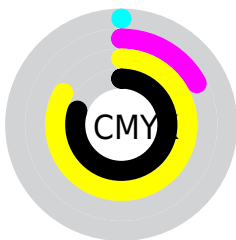
Blue (4%)



Red (8%)

Yellow (20%)

Blue (4%)

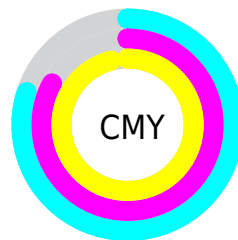


Cyan (0%)

Magenta (17%)

Yellow (83%)

Black (80%)



Cyan (80%)

Magenta (83%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 41.8150, -16.1778, 8.9322 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 41.8150, -16.1778, 8.9322 by changing the saturation by 10% instead.



■ 41.8150, -16.1778,  
8.9322

■ 41.8150, -16.1778,  
8.9322

■ 252.7200, -8.7360,  
1.9996

■ 22.4710, -11.0782,  
6.6029

■ 87.5980, -17.0568,  
10.8766

■ 0.0000, 0.0000,  
0.0000

■ 112.6690,  
-18.0778, 11.6913

■ 137.9680,  
-18.2252, 12.3061


■ 164.1530,  
-18.8094, 13.0208


■ 191.3380,  
-19.3936, 13.7356


■ 219.5230,


-19.9778, 14.4503


 245.3050,  
-19.3774, 8.5025


 41.8150, -16.1778,  
8.9322


 41.8150, -16.1778,  
8.9322


 40.6580, -18.0724,  
9.9469


 42.9720, -14.2832,  
7.9176

 39.6150, -19.5302,  
10.8616

 44.1290, -12.3886,  
6.9029

 45.4000, -10.0572,  
5.7882

 46.5570, -8.1626,  
4.7735

 47.7140, -6.2680,  
3.7588

■ 49.4580, -4.6628,  
2.2293

■ 50.6150, -2.7682,  
1.2146

■ 51.8860, -0.4368,  
0.1000

■ 53.0430, 1.4578,  
-0.9147

# Harmonies

## Analogous

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



42.6790, -13.1527, 18.6985



41.8150, -16.1778, 8.9322



40.0630, -12.3561, -3.5633

# Triad

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



41.8150, -16.1778, 8.9322



36.7770, 11.4489, -32.2534



45.2330, 6.7871, 16.4587

# Complementary

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



41.8150, -16.1778, 8.9322



19.1850, 16.1778, -8.9322

# 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.



44.4420, 13.0931, 0.4894



41.8150, -16.1778, 8.9322



36.8570, 16.8325, -32.3236

# Square

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



41.8150, -16.1778, 8.9322



34.9530, 4.4602, -30.6538



38.8520, 17.8210, -22.6722



44.1540, -0.0759, 24.4209



# Rectangle

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



41.8150, -16.1778, 8.9322



38.2620, -7.5242, -13.3848



38.8520, 17.8210, -22.6722



45.3680, 8.6926, 11.9553

# Sweetspot

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



41.8150, -16.1778, 8.9322



64.7140, -6.2680, 3.7588



22.8830, -2.4073, 25.5356



32.9850, -3.9366, 2.6442



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.



41.8150, -16.1778, 8.9322



53.0300, -25.6508, 14.0057



43.5100, -17.0134, -3.0783



25.0710, -1.0210, 0.8147



68.2880, -33.6660, 18.1644



165.2600, -81.4732, 45.3760



# Inverse Universe

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



19.1850, 16.1778, -8.9322



16.9700, 25.6508, -14.0057



17.4900, 17.0134, 3.0783



23.3420, 1.3104, -0.2999



21.2990, 33.3766, -18.6792

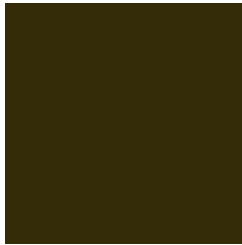


51.1530, 81.7626, -44.8612



# Previews

## White Background



This preview shows how the YUV color 41.8150, -16.1778, 8.9322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

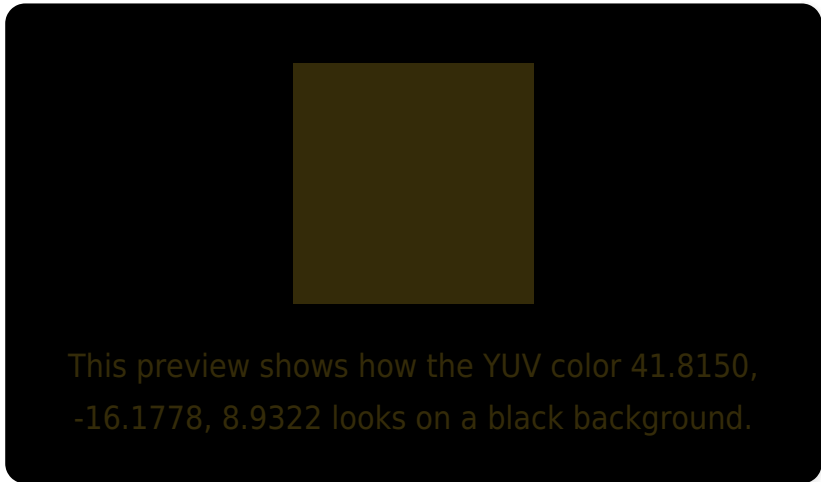
Any Text WCAG AA ✓ Pass

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

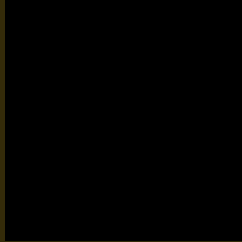
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 41.8150, -16.1778, 8.9322

## Background



This preview shows how black text looks on a background with the YUV color 41.8150, -16.1778, 8.9322.



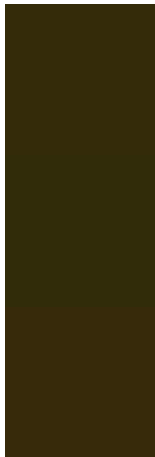
This preview shows how white text looks on a background with the YUV color 41.8150, -16.1778,



# 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

41.8150, -16.1778, 8.9322

### Protanopia

41.5050, -16.0250, 6.5731

### Deuteranopia

42.2390, -15.8938, 11.1914



## Tritanopia

44.5280, -0.7533, 8.3069

# Trichromacy



## Original Color

41.8150, -16.1778, 8.9322

## Protanomaly

41.8040, -16.1724, 7.1879

## Deuteranomaly

41.9400, -15.7464, 10.5766

## Tritanomaly

43.4480, -6.1369, 8.3771

# Monochromacy



## Original Color

41.8150, -16.1778, 8.9322

## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

41.8280, -5.8312, 3.6588

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.8150, -16.1778, 8.9322 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(52, 43, 9)` looks like.

```
.text, #text, p{  
    color:rgb(52, 43, 9)  
}
```

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(52, 43, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 43, 9) }
```

## Border

The CSS property to change the border of an element to YUV 41.8150, -16.1778, 8.9322 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(52, 43, 9) }
```



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

```
.border{ border-color:rgb(52, 43, 9) }
```

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

Here you see how a box with a 4 pixel rgb(52, 43, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 43, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 43, 9); box-shadow:4px  
4px 4px 4px rgb(52, 43, 9) }
```

# Background

The CSS property to change the background color of an element to YUV 41.8150, -16.1778, 8.9322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 43, 9) }
```

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

```
.background{ background-color: rgb(52, 43,  
9) }
```

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