

# Converting Colors

YUV(27.4540, -8.6048, 6.6178)

Have a look what the booklet for  
YUV(27.4540, -8.6048, 6.6178)  
contains.

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# Color

**YUV(27.4540, -8.6048,  
6.6178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	231B0A
RGB	35, 27, 10
RGB Percent	14%, 11%, 4%
CMY	0.8627, 0.8941, 0.9608
CMYK	0.00, 0.23, 0.71, 0.86
HSL	41°, 56%, 9%
HSV	41°, 71%, 14%
XYZ	1.1399, 1.1631, 0.4516
YIQ	27.4540, 10.2250, -3.5910

# Conversions

## Conversions Part 2

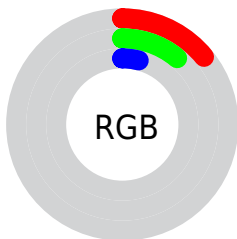
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 35, 10
Decimal	2300682
CIE <sub>Lab</sub>	10.28, 1.16, 11.27
CIE <sub>LCh</sub>	10, 11.329, 84.114
Yxy	1.1631, 0.4138, 0.4222
Android (android.graphics.Color)	4280490762 (0xFF231B0A)
YUV	27.4540, -8.6048, 6.6178
Hunter-Lab	10.7847, -0.0073, 5.0667

# Details

The YUV color **27.4540, -8.6048, 6.6178** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **17.5460, 8.6048, -6.6178**, and the grayscale version is **28.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **71.1660, -8.4628, 7.7474**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.5250, -9.6258, 7.4326**, and if you desaturate by 10%, it is **28.4970, -7.1470, 5.7031**.

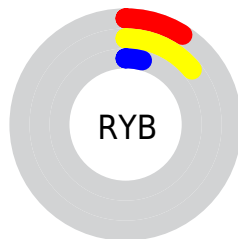
# Distribution



Red (14%)

Green (11%)

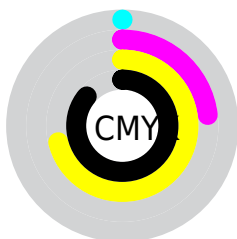
Blue (4%)



Red (9%)

Yellow (14%)

Blue (4%)

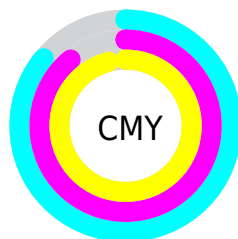


Cyan (0%)

Magenta (23%)

Yellow (71%)

Black (86%)



Cyan (86%)

Magenta (89%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 27.4540, -8.6048, 6.6178 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 27.4540, -8.6048, 6.6178 by changing the saturation by 10% instead.



■ 27.4540, -8.6048,  
6.6178

■ 27.4540, -8.6048,  
6.6178

■ 252.0190, -8.8834,  
2.6143

■ 1.4950, -0.7370,  
3.0739

■ 71.1660, -8.4628,  
7.7474

■ 0.0000, 0.0000,  
0.0000

■ 95.0520, -8.8996,  
7.8474


■ 119.3510, -9.0470,  
8.4622


■ 145.2370, -9.4838,  
8.5622


■ 171.5360, -9.6312,  
9.1769


■ 199.3080,


-10.5048, 9.3769


 227.6070,  
-10.6523, 9.9917


 27.4540, -8.6048,  
6.6178


 27.4540, -8.6048,  
6.6178


 26.5250, -9.6258,  
7.4326


 28.4970, -7.1470,  
5.7031


 25.4820, -11.0836,  
8.3473

 29.4260, -6.1260,  
4.8884

 24.5530, -12.1046,  
9.1620

 30.3550, -5.1050,  
4.0737

 31.3980, -3.6472,  
3.1590

 33.0280, -2.4788,  
1.7294

■ 33.9570, -1.4578,  
0.9147

■ 35.0000, 0.0000,  
0.0000

■ 35.9290, 1.0210,  
-0.8147

■ 36.9720, 2.4788,  
-1.7294

# Harmonies

## Analogous

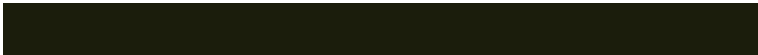
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.7580, -6.2897, 10.7362



27.4540, -8.6048, 6.6178



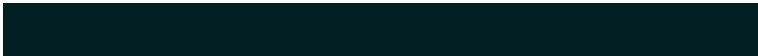
26.4640, -7.1308, 0.4701

# Triad

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



27.4540, -8.6048, 6.6178



23.2580, 5.2958, -18.6433



29.0700, 3.9095, 6.0776

# Complementary

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



27.4540, -8.6048, 6.6178



17.5460, 8.6048, -6.6178

# 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.



28.7100, 6.5520, -1.4997



27.4540, -8.6048, 6.6178



23.6540, 8.0586, -18.1136

# Square

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



27.4540, -8.6048, 6.6178



24.1400, 0.9170, -14.1548



26.1110, 8.3263, -10.6213



28.8920, 0.5462, 11.4957



# Rectangle

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



27.4540, -8.6048, 6.6178



26.3000, -5.0779, -4.6481



26.1110, 8.3263, -10.6213



28.9880, 4.9359, 3.5185

# Sweetspot

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



27.4540, -8.6048, 6.6178



43.0990, -3.4998, 2.5442



18.3870, -0.1908, 14.5696



21.1420, -2.0420, 1.6295



150.0000, 0.0000, 0.0000



23.0000, 0.0000, 0.0000



# Same Dimension

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



27.4540, -8.6048, 6.6178



33.8090, -13.7098, 10.6915



30.9540, -10.3303, 0.0403



17.1850, -0.5842, 0.7148



56.8030, -28.0039, 22.0978



145.8450, -71.9016, 55.3869



# Inverse Universe

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



17.5460, 8.6048, -6.6178



18.1910, 13.7098, -10.6915



14.0460, 10.3303, -0.0403



16.8150, 0.5842, -0.7148



24.6100, 28.2933, -21.5830

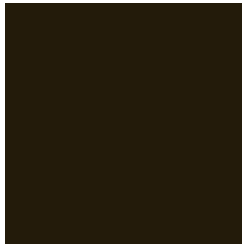


63.1550, 71.9016, -55.3869



# Previews

## White Background



This preview shows how the YUV color 27.4540, -8.6048, 6.6178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

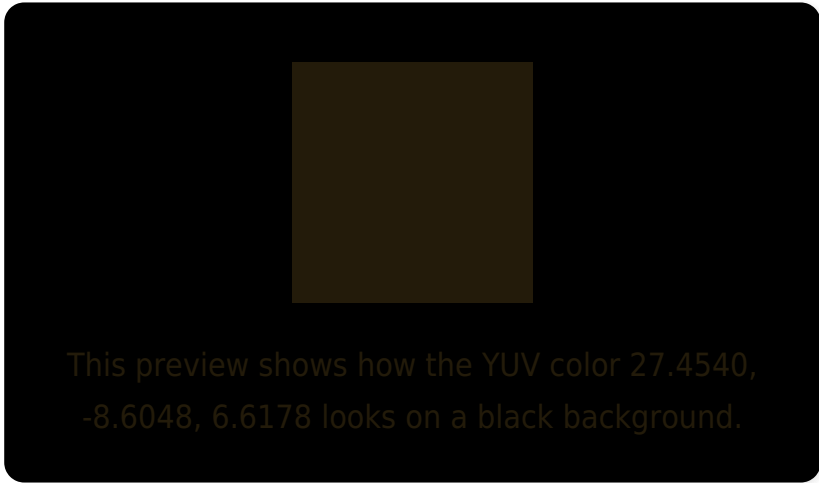
Any Text WCAG AA ✓ Pass

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

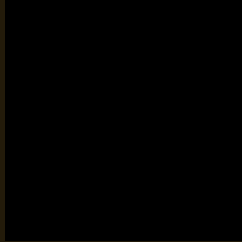
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 27.4540, -8.6048, 6.6178**

## **Background**



This preview shows how black text looks on a background with the YUV color 27.4540, -8.6048, 6.6178.



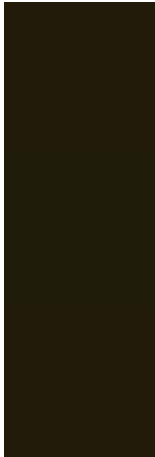
This preview shows how white text looks on a background with the YUV color 27.4540, -8.6048,



# 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

27.4540, -8.6048, 6.6178

### Protanopia

27.1440, -8.4520, 4.2587

### Deuteranopia

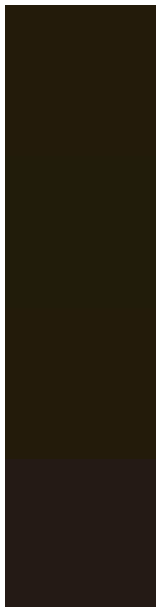
27.4540, -8.6048, 6.6178



## Tritanopia

28.5170, -0.7479, 6.5626

# Trichromacy



## Original Color

27.4540, -8.6048, 6.6178

## Protanomaly

27.4430, -8.5994, 4.8735

## Deuteranomaly

27.4540, -8.6048, 6.6178

## Tritanomaly

28.4200, -3.6581, 6.6477

# Monochromacy



## Original Color

27.4540, -8.6048, 6.6178

## Achromatopsia

27.0000, 0.0000, 0.0000

## Achromatomaly

27.2130, -3.0630, 2.4442

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 27.4540, -8.6048, 6.6178 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(35, 27, 10)` looks like.

```
.text, #text, p{  
    color:rgb(35, 27, 10)  
}
```

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(35, 27, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 27, 10) }
```

## Border

The CSS property to change the border of an element to YUV 27.4540, -8.6048, 6.6178 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(35, 27, 10) }
```



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

```
.border{ border-color:rgb(35, 27, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 27, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 27, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 27, 10);  
box-shadow:4px 4px 4px 4px rgb(35, 27, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 27.4540, -8.6048, 6.6178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 27, 10) }
```

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

```
.background{ background-color: rgb(35, 27,  
10) }
```

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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