

# Converting Colors

YUV(56.8540, -5.3510, -10.3960)

Have a look what the booklet for  
YUV(56.8540, -5.3510, -10.3960)  
contains.

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# Color

**YUV(56.8540, -5.3510,  
-10.3960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D412E
RGB	45, 65, 46
RGB Percent	18%, 25%, 18%
CMY	0.8235, 0.7451, 0.8196
CMYK	0.31, 0.00, 0.29, 0.75
HSL	123°, 18%, 22%
HSV	123°, 31%, 25%
XYZ	3.4656, 4.5357, 3.2776
YIQ	56.8540, -5.8210, -10.1490

# Conversions

## Conversions Part 2

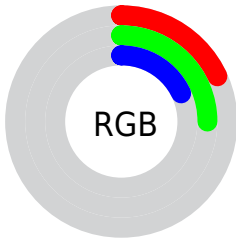
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 64, 65
Decimal	2965806
CIE Lab	25.37, -12.51, 9.11
CIE LCh	25, 15.479, 143.944
Yxy	4.5357, 0.3073, 0.4021
Android (android.graphics.Color)	4281155886 (0xFF2D412E)
YUV	56.8540, -5.3510, -10.3960
Hunter-Lab	21.2973, -8.2236, 5.7835

# Details

The YUV color **56.8540, -5.3510, -10.3960** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **53.1460, 5.3510, 10.3960**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.0280, -5.9298, -11.4256**, and **13.5010, -6.6560, -11.8404** is the 20% darker color. If you saturate the color by 10%, you get **54.3760, -7.0874, -13.4848**, and if you desaturate by 10%, it is **59.6310, -3.7621, -6.6924**.

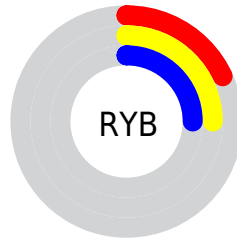
# Distribution



Red (18%)

Green (25%)

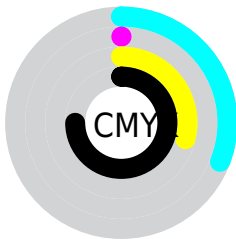
Blue (18%)



Red (18%)

Yellow (25%)

Blue (25%)

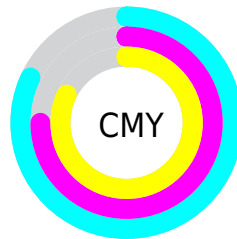


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (75%)



Cyan (82%)

Magenta (75%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 56.8540, -5.3510, -10.3960 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 56.8540, -5.3510, -10.3960 by changing the saturation by 10% instead.



■ 56.8540, -5.3510,  
-10.3960

■ 56.8540, -5.3510,  
-10.3960

255.0000, 0.0000,  
0.0000

■ 35.2670, -5.0616,  
-9.8812

■ 104.0280, -5.9298,  
-11.4256

■ 13.5010, -6.6560,  
-11.8404

■ 128.9140, -6.3666,  
-11.3256

■ 0.0000, 0.0000,  
0.0000

■ 155.5010, -6.6560,  
-11.8404

■ 182.2020, -6.5086,  
-12.4552

■ 210.0880, -6.9454,  
-12.3552

■ 238.0880, -6.9454,

-12.3552

253.7610, -0.8682,  
-1.5444

■ 56.8540, -5.3510,  
-10.3960

■ 56.8540, -5.3510,  
-10.3960

■ 54.3760, -7.0874,  
-13.4848

■ 59.6310, -3.7621,  
-6.6924

■ 51.5990, -8.6763,  
-17.1883

■ 62.1090, -2.0257,  
-3.6036

■ 49.0070, -10.8495,  
-20.1771

■ 65.0000, 0.0000,  
0.0000

■ 46.2300, -12.4384,  
-23.8807

■ 67.4780, 1.7363,  
3.0888

■ 43.7520, -14.1747,  
-26.9695

■ 70.2550, 3.3253,  
6.7924

■ 40.9750, -15.7637,  
-30.6731

■ 72.7330, 5.0616,  
9.8812

■ 38.4970, -17.5000,  
-33.7619

■ 75.5100, 6.6506,  
13.5847

■ 77.9880, 8.3869,  
16.6735

■ 80.8790, 10.4127,  
20.2771

# Harmonies

## Analogous

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



58.3670, -10.0409, 0.5551



56.8540, -5.3510, -10.3960



54.5090, 1.2281, -20.6174

# Triad

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



56.8540, -5.3510, -10.3960



58.1150, 12.2683, -15.0099



61.1550, -5.0064, 19.1581

# Complementary

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



56.8540, -5.3510, -10.3960



53.1460, 5.3510, 10.3960

# 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.



61.9250, 0.5300, 16.7288



56.8540, -5.3510, -10.3960



60.6220, 10.0464, -2.2995

# Square

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



56.8540, -5.3510, -10.3960



54.6360, 12.0115, -25.9908



61.9610, 5.9352, 9.6812



60.6940, -9.2161, 16.0544



# Rectangle

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



56.8540, -5.3510, -10.3960



53.9150, 5.4649, -26.2355



61.9610, 5.9352, 9.6812



61.0240, -2.9698, 19.2730

# Sweetspot

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



56.8540, -5.3510, -10.3960



81.1090, -2.0257, -3.6036



62.4210, -8.5886, 1.3848



41.3480, -1.1576, -2.0592



171.0000, 0.0000, 0.0000



43.0000, 0.0000, 0.0000



# Same Dimension

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



56.8540, -5.3510, -10.3960



71.4250, -8.0975, -16.1587



57.9940, -0.9830, -11.3957



31.7610, -0.8682, -1.5444



57.5090, -25.8869, -50.4354



132.7420, -60.0188, -116.4147



# Inverse Universe

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



53.1460, 5.3510, 10.3960



65.6890, 8.5343, 16.0587



52.0060, 0.9830, 11.3957



31.2390, 0.8682, 1.5444



39.4910, 25.8869, 50.4354

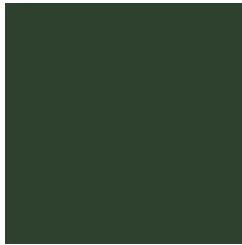


91.2580, 60.0188, 116.4147



# Previews

## White Background



This preview shows how the YUV color 56.8540, -5.3510, -10.3960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

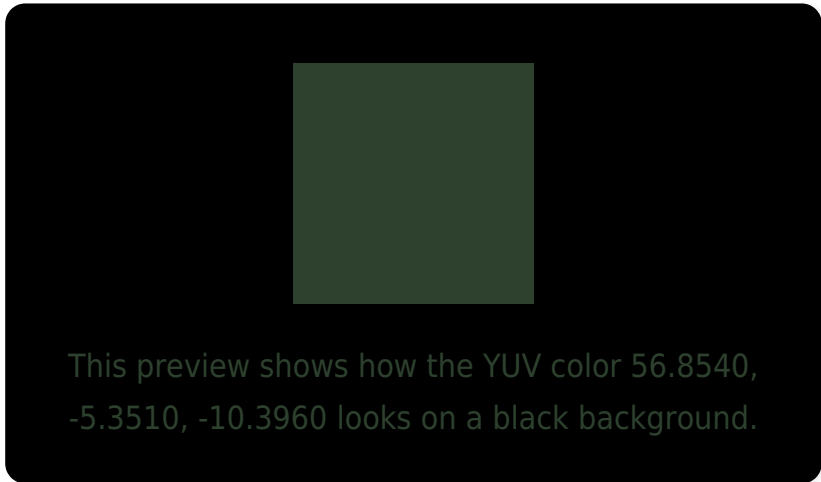
Any Text WCAG AA ✓ Pass

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 56.8540, -5.3510, -10.3960

## Background



This preview shows how black text looks on a background with the YUV color 56.8540, -5.3510, -10.3960.



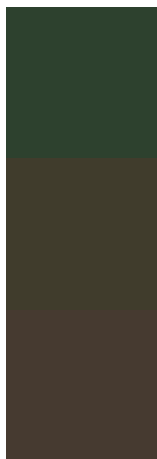
This preview shows how white text looks on a background with the YUV color 56.8540, -5.3510, -10.3960.

-10.3960.

# 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

56.8540, -5.3510, -10.3960

### Protanopia

59.3720, -7.5784, 4.0588

### Deuteranopia

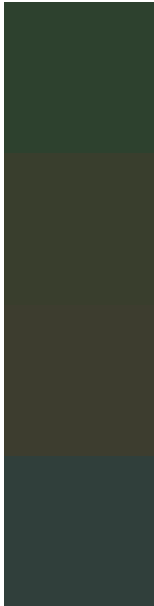
60.4480, -6.1369, 8.3771



## Tritanopia

58.6830, 4.1003, -8.4920

# Trichromacy



## Original Color

56.8540, -5.3510, -10.3960

## Protanomaly

58.5670, -6.6885, -1.3743

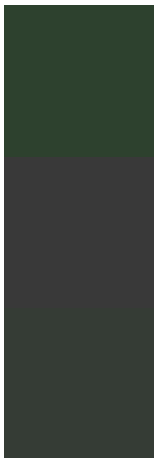
## Deuteranomaly

59.4040, -6.1152, 1.3997

## Tritanomaly

58.0590, 0.4639, -8.8217

# Monochromacy



## Original Color

56.8540, -5.3510, -10.3960

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.1090, -2.0257, -3.6036

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 56.8540, -5.3510, -10.3960 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, 65, 46)` looks like.

```
.text, #text, p{  
    color:rgb(45, 65, 46)  
}
```

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, 65, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 65, 46) }
```

## Border

The CSS property to change the border of an element to YUV 56.8540, -5.3510, -10.3960 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, 65, 46) }
```



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

```
.border{ border-color:rgb(45, 65, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 65, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 65, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 65, 46);  
box-shadow:4px 4px 4px 4px rgb(45, 65, 46)  
}
```

# Background

The CSS property to change the background color of an element to YUV 56.8540, -5.3510, -10.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 65, 46) }
```

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

```
.background{ background-color: rgb(45, 65,  
46) }
```

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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