

# Converting Colors

YUV(52.5900, -15.0809,  
-16.3034)

Have a look what the booklet for  
YUV(52.5900, -15.0809, -16.3034)  
contains.

<b>YUV(52.5900, -15.0809, -16.3034)</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(52.5900, -15.0809,  
-16.3034)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	224416
RGB	34, 68, 22
RGB Percent	13%, 27%, 9%
CMY	0.8667, 0.7333, 0.9137
CMYK	0.50, 0.00, 0.68, 0.73
HSL	104°, 51%, 18%
HSV	104°, 68%, 27%
XYZ	2.8716, 4.5323, 1.4825
YIQ	52.5900, -5.4980, -21.5140

# Conversions

## Conversions Part 2

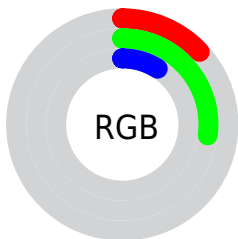
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 68, 56
Decimal	2245654
CIE <sub>Lab</sub>	25.36, -22.54, 23.55
CIE <sub>LCh</sub>	25, 32.599, 133.746
Yxy	4.5323, 0.3231, 0.5100
Android (android.graphics.Color)	4280435734 (0xFF224416)
YUV	52.5900, -15.0809, -16.3034
Hunter-Lab	21.2891, -13.1785, 10.7736

# Details

The YUV color **52.5900, -15.0809, -16.3034** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **37.4100, 15.0809, 16.3034**, and the grayscale version is **53.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **100.8350, -16.6807, -16.5183**, and **15.8490, -7.8136, -13.8996** is the 20% darker color. If you saturate the color by 10%, you get **50.2970, -17.4014, -18.6775**, and if you desaturate by 10%, it is **54.8830, -12.7603, -13.9294**.

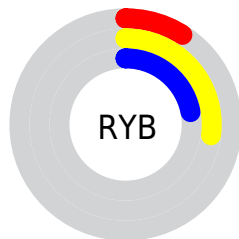
# Distribution



Red (13%)

Green (27%)

Blue (9%)



Red (9%)

Yellow (27%)

Blue (22%)

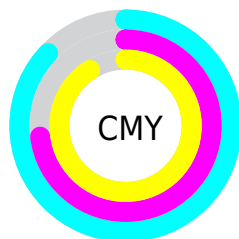


Cyan (50%)

Magenta (0%)

Yellow (68%)

Black (73%)



Cyan (87%)

Magenta (73%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.5900, -15.0809, -16.3034 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 52.5900, -15.0809, -16.3034 by changing the saturation by 10% instead.



■ 52.5900, -15.0809,  
-16.3034

■ 52.5900, -15.0809,  
-16.3034

■ 254.6580, -1.3104,  
0.2999

■ 30.0030, -14.7915,  
-15.7886

■ 100.8350,  
-16.6807, -16.5183

■ 15.8490, -7.8136,  
-13.8996

■ 125.7210,  
-17.1175, -16.4183

■ 0.0000, 0.0000,  
0.0000

■ 151.8950,  
-17.6962, -17.4479

■ 178.6670,  
-18.5698, -17.2480


■ 206.2540,  
-18.8592, -17.7628


■ 234.7270,


-19.5854, -18.1776


 247.7640,  
-12.2087, -4.1780


 52.5900, -15.0809,  
-16.3034


 52.5900, -15.0809,  
-16.3034


 50.2970, -17.4014,  
-18.6775


 54.8830, -12.7603,  
-13.9294


 48.0040, -19.7220,  
-21.0515


 57.1760, -10.4398,  
-11.5554

 45.8250, -21.6057,  
-23.5255

 59.3550, -8.5560,  
-9.0813

 45.2980, -22.3319,  
-23.9403

 61.6480, -6.2355,  
-6.7073

 63.9410, -3.9149,  
-4.3333

■ 66.2340, -1.5944,  
-1.9592

■ 68.5270, 0.7262,  
0.4148

■ 70.7060, 2.6099,  
2.8888

■ 72.9990, 4.9305,  
5.2629

# Harmonies

## Analogous

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



55.6160, -24.4607, 5.5988



52.5900, -15.0809, -16.3034



46.8070, -0.8909, -41.0497

# Triad

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



52.5900, -15.0809, -16.3034



51.5270, 27.3482, -45.1892



58.8140, -4.3453, 40.5051

# Complementary

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



52.5900, -15.0809, -16.3034



37.4100, 15.0809, 16.3034

# 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.



60.7450, 7.0277, 32.6726



52.5900, -15.0809, -16.3034



56.8120, 25.2357, -20.8831

# Square

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



52.5900, -15.0809, -16.3034



52.3930, 20.5123, -45.9487



62.4310, 16.5495, 11.9000



58.5070, -15.5330, 35.5124



# Rectangle

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



52.5900, -15.0809, -16.3034



49.4460, 6.6821, -43.3641



62.4310, 16.5495, 11.9000



58.8400, -0.4141, 39.6053

# Sweetspot

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



52.5900, -15.0809, -16.3034



83.0610, -5.9461, -6.1925



55.7120, -16.6200, 10.7766



42.3540, -3.6255, -3.8185



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



52.5900, -15.0809, -16.3034



64.9450, -23.6369, -25.3848



50.2560, -8.5072, -24.7805



32.0600, -1.0156, -0.9296



64.4140, -31.7561, -34.5661



149.1290, -73.5206, -79.0431



# Inverse Universe

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



37.4100, 15.0809, 16.3034



41.0550, 23.6369, 25.3848



39.7440, 8.5072, 24.7805



30.9400, 1.0156, 0.9296



32.5860, 31.7561, 34.5661

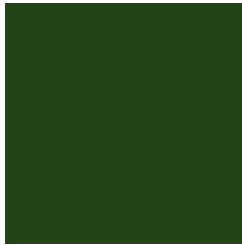


75.1700, 73.3732, 79.6579



# Previews

## White Background



This preview shows how the YUV color 52.5900, -15.0809, -16.3034 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

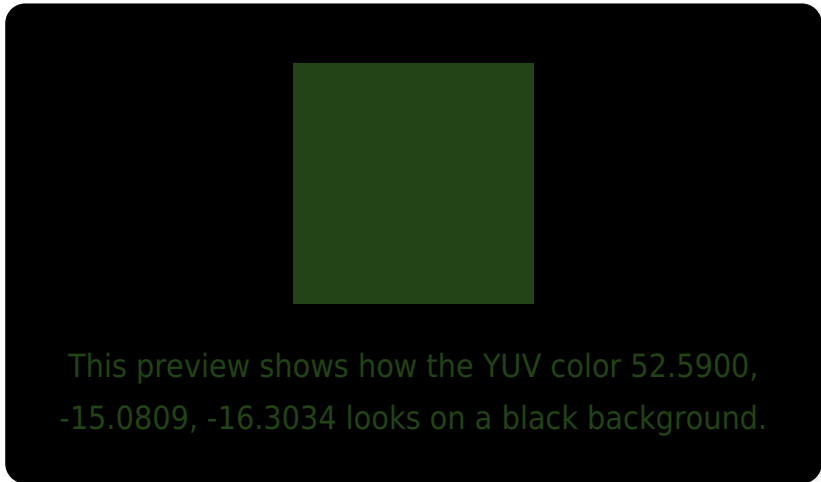
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

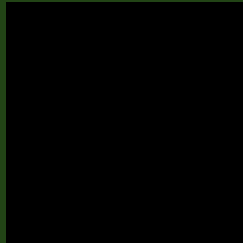
Any Text WCAG AA × Fail

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 52.5900, -15.0809, -16.3034 Background



This preview shows how black text looks on a background with the YUV color 52.5900, -15.0809, -16.3034.



This preview shows how white text looks on a background with the YUV color 52.5900, -15.0809,



# 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

52.5900, -15.0809, -16.3034

### Protanopia

57.5330, -18.5038, 8.3026

### Deuteranopia

58.5490, -16.0467, 13.5505



## Tritanopia

58.2910, 5.2795, -13.4102

# Trichromacy



## Original Color

52.5900, -15.0809, -16.3034

## Protanomaly

55.8200, -17.1663, -0.7191

## Deuteranomaly

56.2980, -15.4299, 2.3697

## Tritanomaly

56.0430, -1.9932, -14.0697

# Monochromacy



## Original Color

52.5900, -15.0809, -16.3034

## Achromatopsia

53.0000, 0.0000, 0.0000

## Achromatomaly

52.5880, -5.2199, -5.7777

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.5900, -15.0809, -16.3034 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(34, 68, 22)` looks like.

```
.text, #text, p{  
    color:rgb(34, 68, 22)  
}
```

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(34, 68, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 68, 22) }
```

## Border

The CSS property to change the border of an element to YUV 52.5900, -15.0809, -16.3034 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(34, 68, 22) }
```



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

```
.border{ border-color:rgb(34, 68, 22) }
```

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

Here you see how a box with a 4 pixel rgb(34, 68, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 68, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 68, 22);  
box-shadow:4px 4px 4px 4px rgb(34, 68, 22)  
}
```

# Background

The CSS property to change the background color of an element to YUV 52.5900, -15.0809, -16.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 68, 22) }
```

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

```
.background{ background-color: rgb(34, 68,  
22) }
```

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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