

# Converting Colors

YUV(42.5830, -17.5424,  
26.6757)

Have a look what the booklet for  
YUV(42.5830, -17.5424, 26.6757)  
contains.

<b>YUV(42.5830, -17.5424, 26.6757)</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(42.5830, -17.5424,  
26.6757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	492207
RGB	73, 34, 7
RGB Percent	29%, 13%, 3%
CMY	0.7137, 0.8667, 0.9725
CMYK	0.00, 0.53, 0.90, 0.71
HSL	25°, 82%, 16%
HSV	25°, 90%, 29%
XYZ	3.3580, 2.5759, 0.5212
YIQ	42.5830, 31.9110, -0.1290

# Conversions

## Conversions Part 2

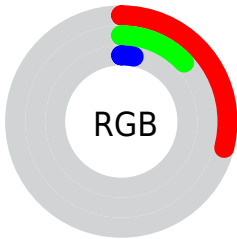
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	73, 53, 7
Decimal	4792839
CIE Lab	18.26, 16.40, 24.02
CIE LCh	18, 29.089, 55.680
Yxy	2.5759, 0.5202, 0.3990
Android (android.graphics.Color)	4282982919 (0xFF492207)
YUV	42.5830, -17.5424, 26.6757
Hunter-Lab	16.0495, 9.2609, 9.3092

# Details

The YUV color **42.5830, -17.5424, 26.6757** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **37.4170, 17.5424, -26.6757**, and the grayscale version is **43.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.6760, -18.5743, 30.9791**, and **5.9800, -2.9481, 12.2955** is the 20% darker color. If you saturate the color by 10%, you get **39.4370, -19.4424, 29.4348**, and if you desaturate by 10%, it is **45.7290, -15.6424, 23.9167**.

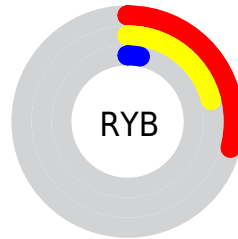
# Distribution



Red (29%)

Green (13%)

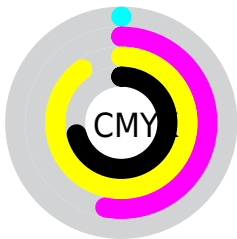
Blue (3%)



Red (29%)

Yellow (21%)

Blue (3%)

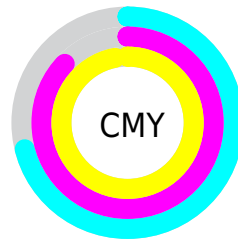


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (71%)



Cyan (71%)

Magenta (87%)


Yellow (97%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 42.5830, -17.5424, 26.6757 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 42.5830, -17.5424, 26.6757 by changing the saturation by 10% instead.





 42.5830, -17.5424,  
26.6757


 42.5830, -17.5424,  
26.6757

 252.3780,  
-10.0464, 2.2995

 21.9830, -10.8376,  
22.8169

 89.6760, -18.5743,  
30.9791


 5.9800, -2.9481,  
12.2955

 114.7580,  
-19.6007, 33.5382

 0.0000, 0.0000,  
0.0000

 140.8290,  
-20.6217, 34.3530


 167.6120,  
-21.5007, 36.2973


 195.0960,  
-22.2323, 37.6268


 219.1060,


-20.7583, 31.4790


 238.6200,  
-17.0677, 14.3653


 42.5830, -17.5424,  
26.6757


 42.5830, -17.5424,  
26.6757


 39.4370, -19.4424,  
29.4348

 45.7290, -15.6424,  
23.9167

 49.5760, -13.5950,  
20.5428

 52.7220, -11.6949,  
17.7838

 55.8680, -9.7949,  
15.0248

 59.7150, -7.7475,  
11.6509

■ 62.8610, -5.8475,  
8.8919

■ 66.0070, -3.9475,  
6.1329

■ 69.7400, -2.3368,  
2.8590

■ 73.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



42.6730, -7.2338, 33.6128



42.5830, -17.5424, 26.6757



41.9960, -20.7040, 14.0355

# Triad

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



42.5830, -17.5424, 26.6757



36.3720, 2.2816, -31.8982



44.3040, 19.0771, -5.5286

# Complementary

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



42.5830, -17.5424, 26.6757



37.4170, 17.5424, -26.6757

# 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.



38.0940, 24.1107, -33.4084



42.5830, -17.5424, 26.6757



38.7660, 11.4544, -33.9978

# Square

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



42.5830, -17.5424, 26.6757



34.4840, -7.6336, -24.9805



39.5300, 19.4587, -34.6678



46.0960, 11.2917, 18.3328



# Rectangle

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



42.5830, -17.5424, 26.6757



41.0440, -20.2347, 3.4694



39.5300, 19.4587, -34.6678



41.8080, 21.2937, -16.4946

# Sweetspot

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



42.5830, -17.5424, 26.6757



82.3450, -6.5791, 10.2214



31.2940, 7.7431, 36.5762



41.0070, -3.9475, 6.1329



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



42.5830, -17.5424, 26.6757



50.9990, -25.1425, 37.7119



61.3670, -26.8029, 10.2021



34.3700, -1.1684, 1.4295



53.6680, -26.4583, 39.7562



122.4640, -60.3748, 91.6781



# Inverse Universe

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



37.4170, 17.5424, -26.6757



43.5880, 24.8531, -38.2267



18.6330, 26.8029, -10.2021



33.6300, 1.1684, -1.4295



45.9190, 26.1689, -40.2710

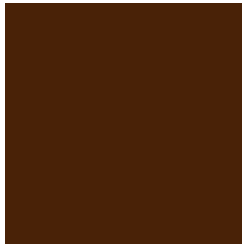


104.5360, 60.3748, -91.6781



# Previews

## White Background



This preview shows how the YUV color 42.5830, -17.5424, 26.6757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

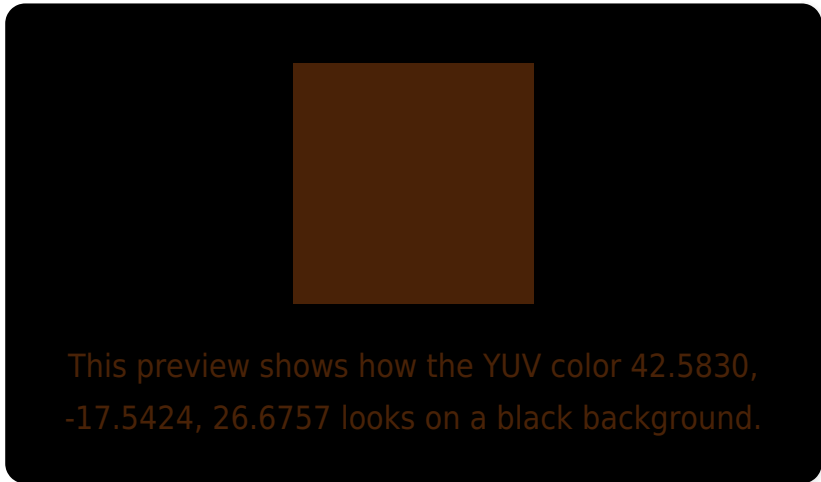
Any Text WCAG AA ✓ Pass

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

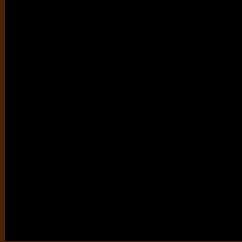
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 42.5830, -17.5424, 26.6757

## Background



This preview shows how black text looks on a background with the YUV color 42.5830, -17.5424, 26.6757.



This preview shows how white text looks on a background with the YUV color 42.5830, -17.5424,



# 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

42.5830, -17.5424, 26.6757

### Protanopia

43.3910, -16.4618, 6.6731

### Deuteranopia

42.5830, -20.9934, 13.5207



## Tritanopia

44.7860, -5.3175, 25.6207

# Trichromacy



## Original Color

42.5830, -17.5424, 26.6757

## Protanomaly

43.3210, -16.9203, 13.7505

## Deuteranomaly

42.6590, -19.5519, 17.8391

## Tritanomaly

44.2330, -9.9749, 26.1057

# Monochromacy



## Original Color

42.5830, -17.5424, 26.6757

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

43.0460, -6.4317, 9.6067

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.5830, -17.5424, 26.6757 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(73, 34, 7)` looks like.

```
.text, #text, p{  
    color:rgb(73, 34, 7)  
}
```

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(73, 34, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 34, 7) }
```

## Border

The CSS property to change the border of an element to YUV 42.5830, -17.5424, 26.6757 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(73, 34, 7) }
```



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

```
.border{ border-color:rgb(73, 34, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 34, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 34, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 34, 7); box-shadow:4px  
4px 4px 4px rgb(73, 34, 7) }
```

# Background

The CSS property to change the background color of an element to YUV 42.5830, -17.5424, 26.6757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 34, 7) }
```

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

```
.background{ background-color: rgb(73, 34,  
7) }
```

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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