

# Converting Colors

YUV(48.8420, -13.7261,  
15.9246)

Have a look what the booklet for  
YUV(48.8420, -13.7261, 15.9246)  
contains.

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# Color

**YUV(48.8420, -13.7261,  
15.9246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	432D15
RGB	67, 45, 21
RGB Percent	26%, 18%, 8%
CMY	0.7373, 0.8235, 0.9176
CMYK	0.00, 0.33, 0.69, 0.74
HSL	31°, 52%, 17%
HSV	31°, 69%, 26%
XYZ	3.3885, 3.1242, 1.1339
YIQ	48.8420, 20.8160, -2.8000

# Conversions

## Conversions Part 2

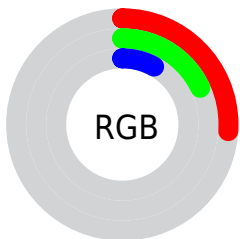
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 67, 21
Decimal	4402453
CIELab	20.53, 7.08, 19.32
CIELCh	21, 20.573, 69.860
Yxy	3.1242, 0.4431, 0.4086
Android (android.graphics.Color)	4282592533 (0xFF432D15)
YUV	48.8420, -13.7261, 15.9246
Hunter-Lab	17.6754, 3.2875, 8.5693

# Details

The YUV color **48.8420, -13.7261, 15.9246** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **39.1580, 13.7261, -15.9246**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.6960, -15.6261, 18.6836**, and **5.6810, -2.8007, 11.6808** is the 20% darker color. If you saturate the color by 10%, you get **46.2830, -15.9155, 18.1688**, and if you desaturate by 10%, it is **51.4010, -11.5367, 13.6803**.

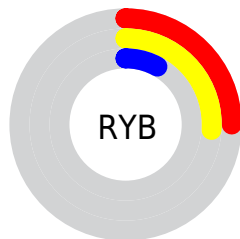
# Distribution



Red (26%)

Green (18%)

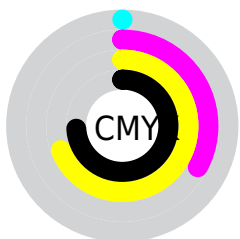
Blue (8%)



Red (25%)

Yellow (26%)

Blue (8%)

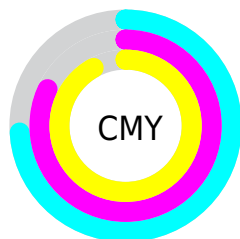


Cyan (0%)

Magenta (33%)

Yellow (69%)

Black (74%)



Cyan (74%)

Magenta (82%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.8420, -13.7261, 15.9246 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 48.8420, -13.7261, 15.9246 by changing the saturation by 10% instead.



■ 48.8420, -13.7261,  
15.9246

■ 48.8420, -13.7261,  
15.9246

■ 254.2020, -3.0576,  
0.6998

■ 27.5430, -13.5787,  
15.3098

■ 95.6960, -15.6261,  
18.6836

■ 5.6810, -2.8007,  
11.6808

■ 120.2940,  
-15.9209, 19.9132

■ 0.0000, 0.0000,  
0.0000

■ 146.3650,  
-16.9419, 20.7279

■ 172.9630,  
-17.2368, 21.9574

■ 200.4470,  
-17.9684, 23.2870

■ 228.3330,

-18.4052, 23.3870

■ 248.5480,  
-14.5672, 5.6584

■ 48.8420, -13.7261,  
15.9246

■ 48.8420, -13.7261,  
15.9246

■ 46.2830, -15.9155,  
18.1688

■ 51.4010, -11.5367,  
13.6803

■ 43.8380, -17.6681,  
20.3131

■ 53.8460, -9.7841,  
11.5361

■ 40.6920, -19.5682,  
23.0721

■ 56.9920, -7.8841,  
8.7770

■ 40.5780, -20.0050,  
23.1721

■ 59.5510, -5.6946,  
6.5328

■ 62.1100, -3.5052,  
4.2885

■ 64.5550, -1.7526,  
2.1443

■ 67.1140, 0.4368,  
-0.1000

■ 70.2600, 2.3368,  
-2.8590

■ 72.7050, 4.0894,  
-5.0033

# Harmonies

## Analogous

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



49.7380, -9.2378, 23.0318



48.8420, -13.7261, 15.9246



47.6620, -14.1304, 5.5584

# Triad

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



48.8420, -13.7261, 15.9246



39.6150, 7.0918, -34.7424



51.1930, 10.7509, 5.0927

# Complementary

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



48.8420, -13.7261, 15.9246



39.1580, 13.7261, -15.9246

# 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.



47.9350, 15.3150, -12.2210



48.8420, -13.7261, 15.9246



40.6240, 13.4964, -35.6272

# Square

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



48.8420, -13.7261, 15.9246



42.1020, -1.5293, -22.8915



40.5900, 18.4431, -35.5974



51.2610, 4.3083, 18.1881



# Rectangle

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



48.8420, -13.7261, 15.9246



46.4760, -12.0667, -3.0485



40.5900, 18.4431, -35.5974



50.6160, 12.5143, -0.5402

# Sweetspot

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



48.8420, -13.7261, 15.9246



79.5510, -5.6946, 6.5328



37.2620, 2.8288, 26.0802



38.9250, -2.9210, 3.5738



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.



48.8420, -13.7261, 15.9246



58.9480, -21.1734, 24.6016



61.4570, -19.9453, 3.9842



32.0710, -1.0210, 0.8147



58.9400, -29.0574, 33.3786



135.6550, -66.8779, 77.4786



# Inverse Universe

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



39.1580, 13.7261, -15.9246



44.0520, 21.1734, -24.6016



26.5430, 19.9453, -3.9842



30.9290, 1.0210, -0.8147



38.0600, 29.0574, -33.3786



88.3450, 66.8779, -77.4786



# Previews

## White Background



This preview shows how the YUV color 48.8420, -13.7261, 15.9246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

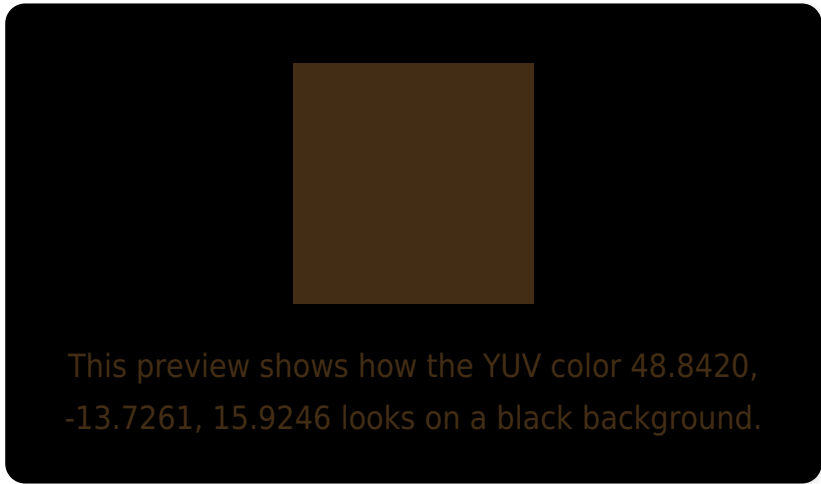
Any Text WCAG AA ✓ Pass

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

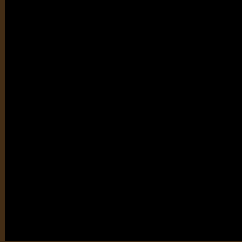
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.8420, -13.7261, 15.9246

## Background



This preview shows how black text looks on a background with the YUV color 48.8420, -13.7261, 15.9246.



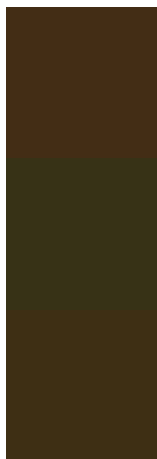
This preview shows how white text looks on a background with the YUV color 48.8420, -13.7261,



# 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

48.8420, -13.7261, 15.9246

### Protanopia

48.3030, -12.9674, 5.8733

### Deuteranopia

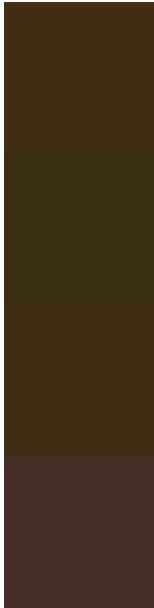
48.4070, -14.0047, 11.9211



## Tritanopia

50.5290, -2.2328, 16.1991

# Trichromacy



## Original Color

48.8420, -13.7261, 15.9246

## Protanomaly

48.3250, -12.9782, 9.3620

## Deuteranomaly

48.4180, -14.0101, 13.6654

## Tritanomaly

49.7910, -6.3060, 15.9693

# Monochromacy



## Original Color

48.8420, -13.7261, 15.9246

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

49.3660, -5.1104, 5.8180

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.8420, -13.7261, 15.9246 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(67, 45, 21)` looks like.

```
.text, #text, p{  
    color:rgb(67, 45, 21)  
}
```

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(67, 45, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 45, 21) }
```

## Border

The CSS property to change the border of an element to YUV 48.8420, -13.7261, 15.9246 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(67, 45, 21) }
```



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

```
.border{ border-color:rgb(67, 45, 21) }
```

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

Here you see how a box with a 4 pixel rgb(67, 45, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 45, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 45, 21);  
box-shadow:4px 4px 4px 4px rgb(67, 45, 21)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.8420, -13.7261, 15.9246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 45, 21) }
```

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

```
.background{ background-color: rgb(67, 45,  
21) }
```

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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