

# Converting Colors

YUV(48.6600, -21.0314,  
25.7312)

Have a look what the booklet for  
YUV(48.6600, -21.0314, 25.7312)  
contains.

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# Color

**YUV(48.6600, -21.0314,  
25.7312)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 4E2A06                    |
| RGB         | 78, 42, 6                 |
| RGB Percent | 31%, 16%, 2%              |
| CMY         | 0.6941, 0.8353, 0.9765    |
| CMYK        | 0.00, 0.46, 0.92, 0.69    |
| HSL         | 30°, 86%, 16%             |
| HSV         | 30°, 92%, 31%             |
| XYZ         | 4.0027, 3.2888, 0.5961    |
| YIQ         | 48.6600, 33.0120, -3.5640 |

# Conversions

## Conversions Part 2

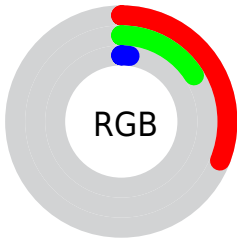
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">78, 78, 6</a>                      |
| Decimal                             | <a href="#">5122566</a>                        |
| CIELab                              | <a href="#">21.17, 13.76, 27.97</a>            |
| CIELCh                              | <a href="#">21, 31.168, 63.797</a>             |
| Yxy                                 | <a href="#">3.2888, 0.5075,<br/>0.4170</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4283312646<br/>(0xFF4E2A06)</a>    |
| YUV                                 | <a href="#">48.6600, -21.0314,<br/>25.7312</a> |
| Hunter-Lab                          | <a href="#">18.1350, 7.6620,<br/>10.7455</a>   |

# Details

The YUV color **48.6600, -21.0314, 25.7312** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **35.3400, 21.0314, -25.7312**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.6390, -22.5000, 30.1346**, and **8.9700, -4.4222, 18.4433** is the 20% darker color. If you saturate the color by 10%, you get **46.2150, -22.7840, 27.8754**, and if you desaturate by 10%, it is **51.9200, -18.6946, 22.8722**.

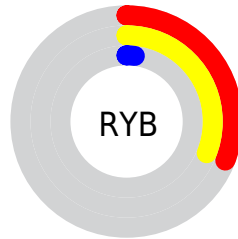
# Distribution



Red (31%)

Green (16%)

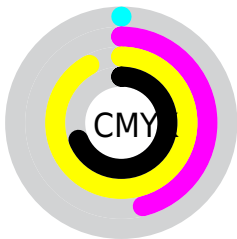
Blue (2%)



Red (31%)

Yellow (31%)

Blue (2%)

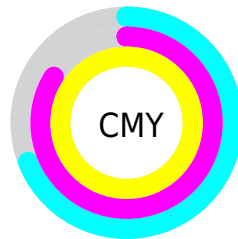


Cyan (0%)

Magenta (46%)

Yellow (92%)

Black (69%)



Cyan (69%)

Magenta (84%)


Yellow (98%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 48.6600, -21.0314, 25.7312 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 48.6600, -21.0314, 25.7312 by changing the saturation by 10% instead.





 48.6600, -21.0314,  
25.7312


 48.6600, -21.0314,  
25.7312


 252.4920, -9.6096,  
2.1995


 28.1740, -13.8898,  
21.7724

 96.6390, -22.5000,  
30.1346


 8.9700, -4.4222,  
18.4433

 121.5360,  
-22.9422, 31.9789

 0.0000, 0.0000,  
0.0000

 147.9060,  
-24.1107, 33.4084

 174.6890,  
-24.9897, 35.3527

 202.1730,  
-25.7213, 36.6823

 224.9760,

-23.6522, 26.3310

■ 244.6040,  
-19.5248, 9.1173

■ 48.6600, -21.0314,  
25.7312

■ 48.6600, -21.0314,  
25.7312

■ 46.2150, -22.7840,  
27.8754

■ 51.9200, -18.6946,  
22.8722

■ 55.1800, -16.3577,  
20.0131

■ 58.3260, -14.4577,  
17.2541

■ 61.5860, -12.1209,  
14.3951

■ 64.8460, -9.7841,  
11.5361

■ 67.5190, -7.1579,  
9.1918

■ 70.7790, -4.8210,  
6.3328

■ 73.9250, -2.9210,  
3.5738

■ 77.1850, -0.5842,  
0.7148

# Harmonies

## Analogous

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



48.7720, -10.7336, 36.1570



48.6600, -21.0314, 25.7312



47.8770, -23.6034, 10.6319

# Triad

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



48.6600, -21.0314, 25.7312



42.4360, 5.2081, -37.2164



51.8320, 18.3238, 2.7783

# Complementary

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



48.6600, -21.0314, 25.7312



35.3400, 21.0314, -25.7312

# 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.



42.1690, 27.0317, -36.9822



48.6600, -21.0314, 25.7312



44.4710, 15.5438, -39.0011

# Square

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



48.6600, -21.0314, 25.7312



38.5260, -4.6963, -33.7873



44.5340, 23.4007, -39.0563



51.7980, 9.9596, 25.6102



# Rectangle

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



48.6600, -21.0314, 25.7312



45.9680, -21.6762, -0.8489



44.5340, 23.4007, -39.0563



50.4500, 20.9771, -8.2877

# Sweetspot

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



48.6600, -21.0314, 25.7312



90.4760, -8.6157, 10.1065



31.6320, 5.1114, 40.6647



43.7790, -4.8210, 6.3328



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



48.6600, -21.0314, 25.7312



60.4350, -29.7945, 36.4525



69.7920, -31.4495, 7.1984



36.3700, -1.1684, 1.4295



136.2750, -67.1836, 82.1968

# Inverse Universe

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



35.3400, 21.0314, -25.7312



41.5650, 29.7945, -36.4525



14.2080, 31.4495, -7.1984



35.6300, 1.1684, -1.4295



93.7250, 67.1836, -82.1968

# Previews

## White Background



This preview shows how the YUV color 48.6600, -21.0314, 25.7312 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

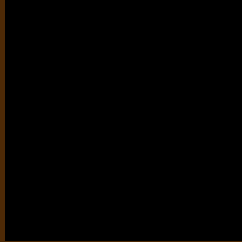
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.6600, -21.0314, 25.7312

## Background



This preview shows how black text looks on a background with the YUV color 48.6600, -21.0314, 25.7312.



This preview shows how white text looks on a background with the YUV color 48.6600, -21.0314,

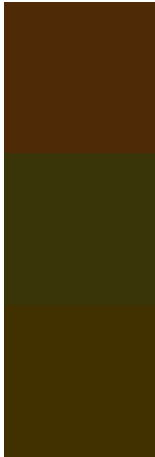




# Color Blindness Simulation

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

48.6600, -21.0314, 25.7312

### Protanopia

48.8920, -19.6668, 7.9877

### Deuteranopia

48.1980, -23.7616, 14.7354



## Tritanopia

51.3020, -4.5859, 24.2911

# Trichromacy



## Original Color

48.6600, -21.0314, 25.7312

## Protanomaly

48.5230, -19.9778, 14.4503

## Deuteranomaly

48.1600, -22.7569, 19.1537

## Tritanomaly

50.4070, -10.5537, 25.0761

# Monochromacy



## Original Color

48.6600, -21.0314, 25.7312

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.7040, -7.7421, 9.9066

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.6600, -21.0314, 25.7312 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(78, 42, 6)` looks like.

```
.text, #text, p{  
    color:rgb(78, 42, 6)  
}
```

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(78, 42, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 42, 6) }
```

## Border

The CSS property to change the border of an element to YUV 48.6600, -21.0314, 25.7312 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(78, 42, 6) }
```

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

```
.border{ border-color:rgb(78, 42, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 42, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 42, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(78, 42, 6); box-shadow:4px  
4px 4px 4px rgb(78, 42, 6) }
```

# Background

The CSS property to change the background color of an element to YUV 48.6600, -21.0314, 25.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 42, 6) }
```

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

```
.background{ background-color: rgb(78, 42,  
6) }
```

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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