

# Converting Colors

YUV(48.1630, -20.7864, -6.2820)

Have a look what the booklet for  
YUV(48.1630, -20.7864, -6.2820)  
contains.

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# Color

**YUV(48.1630, -20.7864,  
-6.2820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	293C06
RGB	41, 60, 6
RGB Percent	16%, 24%, 2%
CMY	0.8392, 0.7647, 0.9765
CMYK	0.32, 0.00, 0.90, 0.76
HSL	81°, 82%, 13%
HSV	81°, 90%, 24%
XYZ	2.5632, 3.7163, 0.7545
YIQ	48.1630, 6.0100, -20.8220

# Conversions

## Conversions Part 2

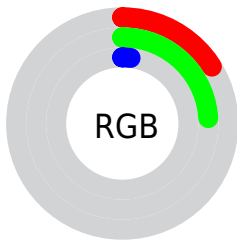
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 60, 25
Decimal	2702342
CIELab	22.71, -16.92, 28.36
CIELCh	23, 33.025, 120.811
Yxy	3.7163, 0.3644, 0.5283
Android (android.graphics.Color)	4280892422 (0xFF293C06)
YUV	48.1630, -20.7864, -6.2820
Hunter-Lab	19.2777, -10.0023, 11.1738

# Details

The YUV color **48.1630, -20.7864, -6.2820** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17.8370, 20.7864, 6.2820**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **95.3480, -21.3706, -5.5672**, and **9.9790, -4.9196, -8.7516** is the 20% darker color. If you saturate the color by 10%, you get **46.8810, -23.1123, -6.9116**, and if you desaturate by 10%, it is **49.4450, -18.4604, -5.6523**.

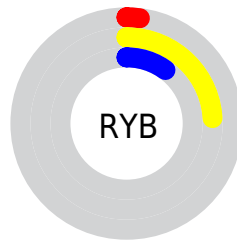
# Distribution



Red (16%)

Green (24%)

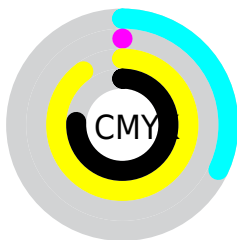
Blue (2%)



Red (2%)

Yellow (24%)

Blue (10%)

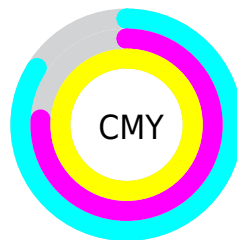


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (76%)



Cyan (84%)

Magenta (76%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.1630, -20.7864, -6.2820 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 48.1630, -20.7864, -6.2820 by changing the saturation by 10% instead.



■ 48.1630, -20.7864,  
-6.2820

■ 48.1630, -20.7864,  
-6.2820

■ 252.7200, -8.7360,  
1.9996

■ 27.9870, -13.7976,  
-7.8816

■ 95.3480, -21.3706,  
-5.5672

■ 9.9790, -4.9196,  
-8.7516

■ 120.8210,  
-22.0968, -5.9820

■ 0.0000, 0.0000,  
0.0000

■ 146.5930,  
-22.9703, -5.7821


■ 173.4790,  
-23.4071, -5.6821


■ 200.9520,  
-24.1333, -6.0969


■ 228.8380,


-24.5701, -5.9969


 248.3320,  
-20.3767, 2.3398


 48.1630, -20.7864,  
-6.2820


 48.1630, -20.7864,  
-6.2820


 46.8810, -23.1123,  
-6.9116

 49.4450, -18.4604,  
-5.6523

 50.7270, -16.1344,  
-5.0226

 52.0090, -13.8084,  
-4.3929

 53.2910, -11.4825,  
-3.7632

 54.8720, -9.3039,  
-2.5187

■ 56.1540, -6.9779,  
-1.8891

■ 57.4360, -4.6519,  
-1.2594

■ 58.7180, -2.3260,  
-0.6297

■ 60.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



50.8450, -25.0666, 13.2909



48.1630, -20.7864, -6.2820



40.8740, -5.8539, -35.8465

# Triad

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



48.1630, -20.7864, -6.2820



48.0390, 24.1378, -42.1302



52.2960, 1.3331, 39.2054

# Complementary

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



48.1630, -20.7864, -6.2820



17.8370, 20.7864, 6.2820

# 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.



55.2540, 11.7068, 25.2102



48.1630, -20.7864, -6.2820



45.3150, 28.9317, -39.7413

# Square

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



48.1630, -20.7864, -6.2820



47.1610, 15.6966, -41.3602



54.7930, 20.8081, -0.6955



51.6090, -10.1602, 38.9309



# Rectangle

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



48.1630, -20.7864, -6.2820



43.3990, 1.2823, -38.0609



54.7930, 20.8081, -0.6955



53.4850, 4.6909, 35.5317

# Sweetspot

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



48.1630, -20.7864, -6.2820



74.5130, -8.1409, -2.2039



33.2990, -13.4584, 23.4168



38.0230, -4.9413, -1.7742



168.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000



# Same Dimension

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



48.1630, -20.7864, -6.2820



61.6220, -30.3796, -9.3155



40.0900, -16.8064, -22.8809



30.3590, -1.1630, -0.3148



73.4170, -36.1946, -10.8897



173.3700, -85.4714, -25.7575



# Inverse Universe

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



17.8370, 20.7864, 6.2820



17.3780, 30.3796, 9.3155



25.9100, 16.8064, 22.8809



28.6410, 1.1630, 0.3148



20.5830, 36.1946, 10.8897



48.6300, 85.4714, 25.7575



# Previews

## White Background



This preview shows how the YUV color 48.1630, -20.7864, -6.2820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

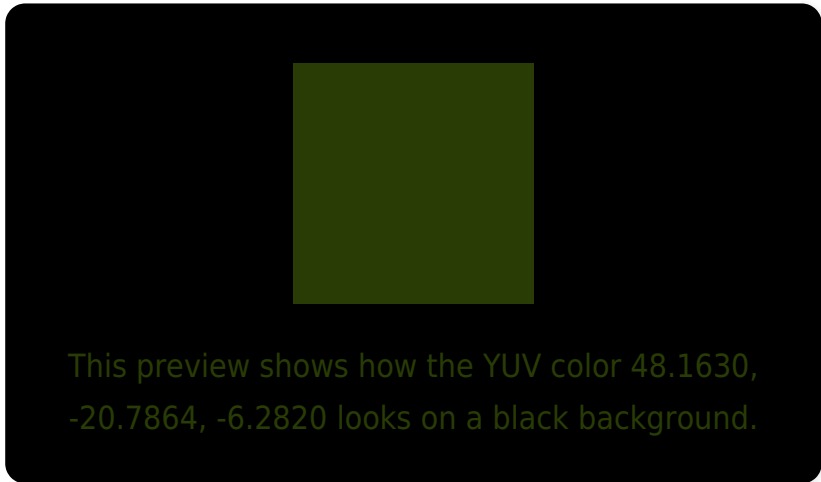
Any Text WCAG AA ✓ Pass

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 48.1630, -20.7864, -6.2820

## Background



This preview shows how black text looks on a background with the YUV color 48.1630, -20.7864, -6.2820.



This preview shows how white text looks on a background with the YUV color 48.1630, -20.7864,

-6.2820.

# 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

48.1630, -20.7864, -6.2820

### Protanopia

50.2790, -23.3085, 9.4023

### Deuteranopia

52.3380, -19.3936, 13.7356



## Tritanopia

53.7650, 3.0739, -5.9329

# Trichromacy



## Original Color

48.1630, -20.7864, -6.2820

## Protanomaly

49.4740, -22.4187, 3.9693

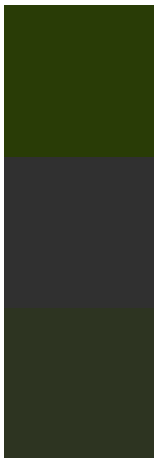
## Deuteranomaly

50.7670, -20.0981, 6.3433

## Tritanomaly

51.4740, -5.6567, -5.6777

# Monochromacy



## Original Color

48.1630, -20.7864, -6.2820

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.7410, -7.2673, -2.4039

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.1630, -20.7864, -6.2820 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(41, 60, 6)` looks like.

```
.text, #text, p{  
    color:rgb(41, 60, 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(41, 60, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 60, 6) }
```

## Border

The CSS property to change the border of an element to YUV 48.1630, -20.7864, -6.2820 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(41, 60, 6) }
```



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

```
.border{ border-color:rgb(41, 60, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 60, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 60, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(41, 60, 6); box-shadow:4px  
4px 4px 4px rgb(41, 60, 6) }
```

# Background

The CSS property to change the background color of an element to YUV 48.1630, -20.7864, -6.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 60, 6) }
```

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

```
.background{ background-color: rgb(41, 60,  
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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