

# Converting Colors

YUV(48.6640, -23.9914, -4.9673)

Have a look what the booklet for  
YUV(48.6640, -23.9914, -4.9673)  
contains.

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# Color

**YUV(48.6640, -23.9914,  
-4.9673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B3D00
RGB	43, 61, 0
RGB Percent	17%, 24%, 0%
CMY	0.8314, 0.7608, 1.0000
CMYK	0.30, 0.00, 1.00, 0.76
HSL	78°, 100%, 12%
HSV	78°, 100%, 24%
XYZ	2.6650, 3.8511, 0.6029
YIQ	48.6640, 8.8530, -22.7870

# Conversions

## Conversions Part 2

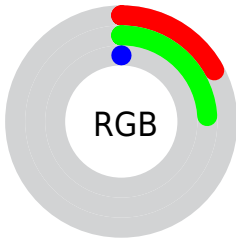
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 61, 18
Decimal	2833664
CIELab	23.17, -16.95, 31.33
CIELCh	23, 35.621, 118.413
Yxy	3.8511, 0.3744, 0.5410
Android (android.graphics.Color)	4281023744 (0xFF2B3D00)
YUV	48.6640, -23.9914, -4.9673
Hunter-Lab	19.6242, -10.1016, 11.9155

# Details

The YUV color **48.6640, -23.9914, -4.9673** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12.3360, 23.9914, 4.9673**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.6640, -23.9914, -4.9673**, and **11.1530, -5.4984, -9.7812** is the 20% darker color. If you saturate the color by 10%, you get **48.6640, -23.9914, -4.9673**, and if you desaturate by 10%, it is **49.9460, -21.6654, -4.3376**.

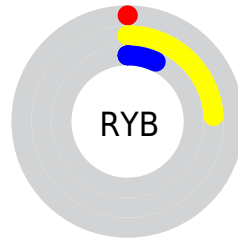
# Distribution



Red (17%)

Green (24%)

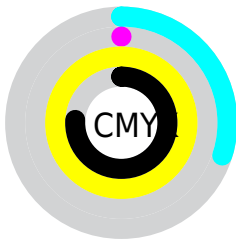
Blue (0%)



Red (0%)

Yellow (24%)

Blue (7%)

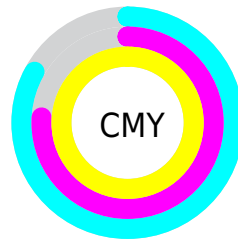


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (76%)



Cyan (83%)

Magenta (76%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.6640, -23.9914, -4.9673 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 48.6640, -23.9914, -4.9673 by changing the saturation by 10% instead.



■ 48.6640, -23.9914,  
-4.9673

■ 48.6640, -23.9914,  
-4.9673

■ 252.1500,  
-10.9200, 2.4994

■ 29.1720, -14.3818,  
-7.1668

■ 96.6640, -23.9914,  
-4.9673

■ 11.1530, -5.4984,  
-9.7812

■ 121.5500,  
-24.4281, -4.8673

■ 0.0000, 0.0000,  
0.0000

■ 147.6210,  
-25.4492, -4.0526


■ 174.0940,  
-26.1753, -4.4674


■ 201.8660,  
-27.0489, -4.2675


■ 229.7520,


-27.4857, -4.1675


 248.6590,  
-23.0029, 4.6841


 48.6640, -23.9914,  
-4.9673

 49.9460, -21.6654,  
-4.3376

 51.2280, -19.3394,  
-3.7080

 52.2110, -16.8660,  
-3.6930

 53.4930, -14.5400,  
-3.0634

 54.8890, -11.7773,  
-2.5337

■ 56.1710, -9.4513,  
-1.9040

■ 57.4530, -7.1253,  
-1.2743

■ 58.4360, -4.6519,  
-1.2594

■ 59.7180, -2.3260,  
-0.6297

# Harmonies

## Analogous

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



52.3290, -25.7982, 14.6205



48.6640, -23.9914, -4.9673



41.1190, -7.4537, -36.0614

# Triad

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



48.6640, -23.9914, -4.9673



49.5550, 24.8694, -43.4597



52.6600, 2.6326, 42.3942

# Complementary

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



48.6640, -23.9914, -4.9673



12.3360, 23.9914, 4.9673

# 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.



56.4220, 13.5960, 25.9399



48.6640, -23.9914, -4.9673



47.0590, 30.5369, -41.2707

# Square

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



48.6640, -23.9914, -4.9673



48.4490, 15.5546, -42.4898



55.6400, 22.8555, -4.0693



52.0440, -9.8817, 42.9344



# Rectangle

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



48.6640, -23.9914, -4.9673



44.3450, -0.1701, -38.8906



55.6400, 22.8555, -4.0693



53.9630, 6.4272, 38.6204

# Sweetspot

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



48.6640, -23.9914, -4.9673



74.1710, -9.4513, -1.9040



28.2180, -13.9115, 28.7498



37.7950, -5.8149, -1.5742



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.



48.6640, -23.9914, -4.9673



63.1170, -31.1167, -6.2416



39.6940, -19.5691, -23.4106



30.3590, -1.1630, -0.3148



75.2110, -37.0790, -7.2010



176.9580, -87.2403, -18.3802



# Inverse Universe

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



12.3360, 23.9914, 4.9673



15.8830, 31.1167, 6.2416



21.3060, 19.5691, 23.4106



28.3420, 1.3104, -0.2999



19.0880, 36.9316, 7.8158

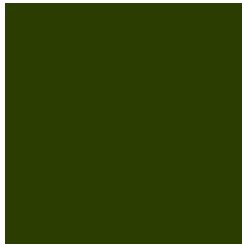


44.7430, 87.3877, 17.7654



# Previews

## White Background



This preview shows how the YUV color 48.6640, -23.9914, -4.9673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

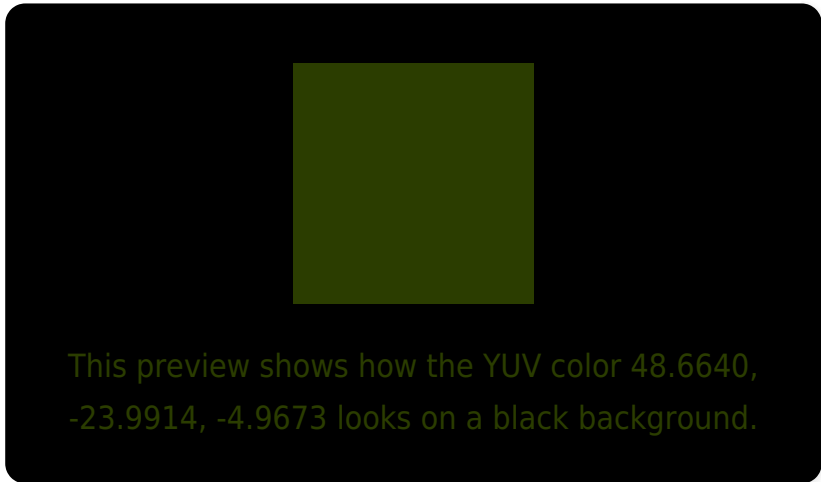
Any Text WCAG AA ✓ Pass

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 48.6640, -23.9914, -4.9673

## Background



This preview shows how black text looks on a background with the YUV color 48.6640, -23.9914, -4.9673.



This preview shows how white text looks on a background with the YUV color 48.6640, -23.9914, -4.9673.

-4.9673.

# 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



### Protanopia

51.7090, -25.4925, 9.9022

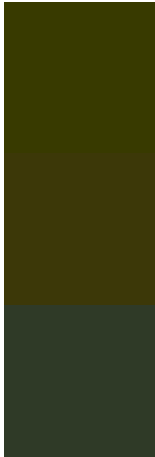
### Deuteranopia

53.4090, -20.4146, 14.5503

### Tritanopia

55.0640, 2.9264, -5.3181

# Trichromacy



## Protanomaly

50.7900, -25.0395, 4.5692

## Deuteranomaly

51.7240, -21.5559, 7.2581

## Tritanomaly

52.5450, -6.6777, -4.8630

# Monochromacy



## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.6980, -8.7251, -1.4891

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.6640, -23.9914, -4.9673 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(43, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 61, 0)  
}
```

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(43, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 61, 0) }
```

## Border

The CSS property to change the border of an element to YUV 48.6640, -23.9914, -4.9673 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(43, 61, 0) }
```

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

```
.border{ border-color:rgb(43, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 61, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 61, 0); box-shadow:4px  
4px 4px 4px rgb(43, 61, 0) }
```



# Background

The CSS property to change the background color of an element to YUV 48.6640, -23.9914, -4.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 61, 0) }
```

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

```
.background{ background-color: rgb(43, 61,  
0) }
```

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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