

# Converting Colors

YUV(102.3030, -40.0824,  
-23.9447)

Have a look what the booklet for  
YUV(102.3030, -40.0824, -23.9447)  
contains.

<b>YUV(102.3030, -40.0824, -23.9447)</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(102.3030, -40.0824,  
-23.9447)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B8415
RGB	75, 132, 21
RGB Percent	29%, 52%, 8%
CMY	0.7059, 0.4824, 0.9176
CMYK	0.43, 0.00, 0.84, 0.48
HSL	91°, 73%, 30%
HSV	91°, 84%, 52%
XYZ	11.2883, 18.0525, 3.5990
YIQ	102.3030, 1.6590, -46.6050

# Conversions

## Conversions Part 2

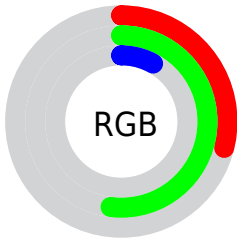
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 132, 78
Decimal	4949013
CIE <sub>Lab</sub>	49.56, -36.81, 48.85
CIE <sub>LCh</sub>	50, 61.167, 127.002
Yxy	18.0525, 0.3427, 0.5480
Android (android.graphics.Color)	4283139093 (0xFF4B8415)
YUV	102.3030, -40.0824, -23.9447
Hunter-Lab	42.4883, -26.9306, 24.7196

# Details

The YUV color **102.3030, -40.0824, -23.9447** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **50.6970, 40.0824, 23.9447**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.4170, -39.6456, -24.0447**, and **53.5160, -26.3834, -31.1475** is the 20% darker color. If you saturate the color by 10%, you get **98.7280, -44.7289, -26.9485**, and if you desaturate by 10%, it is **105.8780, -35.4359, -20.9410**.

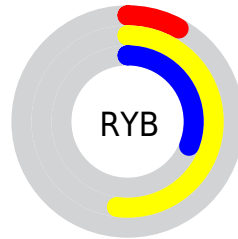
# Distribution



Red (29%)

Green (52%)

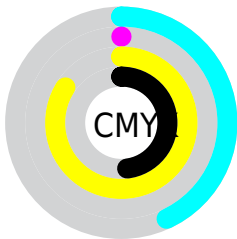
Blue (8%)



Red (8%)

Yellow (52%)

Blue (31%)

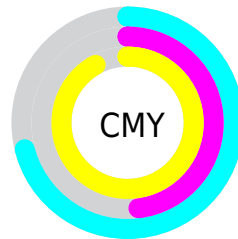


Cyan (43%)

Magenta (0%)

Yellow (84%)

Black (48%)



Cyan (71%)

Magenta (48%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 102.3030, -40.0824, -23.9447 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 102.3030, -40.0824, -23.9447 by changing the saturation by 10% instead.



■ 102.3030,  
-40.0824, -23.9447

■ 102.3030,  
-40.0824, -23.9447

■ 255.0000, 0.0000,  
0.0000

■ 76.5740, -37.7510,  
-25.0594

■ 156.4170,  
-39.6456, -24.0447

■ 53.5160, -26.3834,  
-31.1475

■ 183.6020,  
-40.2298, -23.3300

■ 34.0460, -16.7847,  
-29.8583

■ 211.9610,  
-41.3928, -23.6448

■ 22.3060, -10.9969,  
-19.5624

■ 231.0420,  
-37.4887, -15.8228

■ 0.0000, 0.0000,  
0.0000

■ 243.2040,  
-29.6806, -0.1789

■ 249.9840,

-19.2191, 4.3990

■ 253.2900, -6.5520,  
1.4997

■ 102.3030,  
-40.0824, -23.9447

■ 102.3030,  
-40.0824, -23.9447

■ 98.7280, -44.7289,  
-26.9485

■ 105.8780,  
-35.4359, -20.9410

■ 96.6200, -47.6337,  
-28.6077

■ 109.4530,  
-30.7893, -17.9373

■ 112.8430,  
-25.5586, -15.6483

■ 116.4180,  
-20.9121, -12.6446

■ 119.9930,  
-16.2655, -9.6409

■ 123.5680,  
-11.6190, -6.6371

■ 126.8440, -6.8251,  
-4.2482

■ 130.5330, -1.7418,  
-1.3444

■ 134.1080, 2.9048,  
1.6593

# Harmonies

## Analogous

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



109.0220, -53.7478, 19.2747



102.3030, -40.0824, -23.9447



90.1430, -7.4655, -79.0554

# Triad

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



102.3030, -40.0824, -23.9447



103.0540, 54.6964, -90.3784



110.6100, -1.2867, 86.2880

# Complementary

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



102.3030, -40.0824, -23.9447



50.6970, 40.0824, 23.9447

# 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.



117.4880, 20.4654, 62.7160



102.3030, -40.0824, -23.9447



95.7480, 62.2422, -83.9710

# Square

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



102.3030, -40.0824, -23.9447



102.5860, 37.6721, -89.9679



120.5060, 39.6835, 11.8342



111.6220, -26.4356, 79.2615



# Rectangle

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



102.3030, -40.0824, -23.9447



95.4210, 7.6804, -83.6842



120.5060, 39.6835, 11.8342



112.2380, 6.2917, 82.2293

# Sweetspot

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



102.3030, -40.0824, -23.9447



159.5200, -15.5394, -9.2260



87.0610, -32.5681, 39.4115



79.8500, -9.2930, -6.0074



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



102.3030, -40.0824, -23.9447



125.1940, -61.7206, -37.0041



86.1570, -32.1224, -57.1427



64.4190, -2.1786, -1.2445



95.1470, -46.9075, -28.1929



2.0600, -1.0156, -0.9296



# Inverse Universe

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



50.6970, 40.0824, 23.9447



45.8060, 61.7206, 37.0041



66.8430, 32.1224, 57.1427



61.5810, 2.1786, 1.2445



34.8530, 46.9075, 28.1929



0.6410, 1.1630, 0.3148



# Previews

## White Background



This preview shows how the YUV color 102.3030, -40.0824, -23.9447 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 × Fail



# Black Background



This preview shows how the YUV color 102.3030, -40.0824, -23.9447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

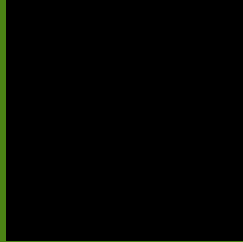
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 102.3030, -40.0824, -23.9447 Background



This preview shows how black text looks on a background with the YUV color 102.3030, -40.0824, -23.9447.



This preview shows how white text looks on a background with the YUV color 102.3030, -40.0824, -23.9447.

-23.9447.

# 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

102.3030, -40.0824, -23.9447

### Protanopia

110.6720, -46.1803, 18.7047

### Deuteranopia

112.8720, -39.3769, 29.9303



## Tritanopia

114.2730, 9.2324, -21.2874

# Trichromacy



## Original Color

102.3030, -40.0824, -23.9447

## Protanomaly

107.4420, -44.0949, 3.1204

## Deuteranomaly

109.3380, -39.6066, 10.2276

## Tritanomaly

109.8650, -8.8074, -21.8066

# Monochromacy



## Original Color

102.3030, -40.0824, -23.9447

## Achromatopsia

102.0000, 0.0000, 0.0000

## Achromatomaly

102.1610, -14.3764, -8.9112

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 102.3030, -40.0824, -23.9447 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(75, 132, 21)` looks like.

```
.text, #text, p{  
    color:rgb(75, 132, 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(75, 132, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 132, 21) }
```

## Border

The CSS property to change the border of an element to YUV 102.3030, -40.0824, -23.9447 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(75, 132, 21) }
```



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

```
.border{ border-color:rgb(75, 132, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 132, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 132, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 132, 21);  
box-shadow:4px 4px 4px 4px rgb(75, 132,  
21) }
```

# Background

The CSS property to change the background color of an element to YUV 102.3030, -40.0824, -23.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 132, 21) }
```

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

```
.background{ background-color: rgb(75, 132,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor