

# Converting Colors

YUV(64.4040, 7.1958, -21.4023)

Have a look what the booklet for  
YUV(64.4040, 7.1958, -21.4023)  
contains.

<b>YUV(64.4040, 7.1958, -21.4023)</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(64.4040, 7.1958,  
-21.4023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	284A4F
RGB	40, 74, 79
RGB Percent	16%, 29%, 31%
CMY	0.8431, 0.7098, 0.6902
CMYK	0.49, 0.06, 0.00, 0.69
HSL	188°, 33%, 23%
HSV	188°, 49%, 31%
XYZ	4.7351, 5.9132, 8.2889
YIQ	64.4040, -21.8690, -5.6530

# Conversions

## Conversions Part 2

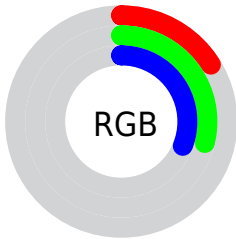
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 58, 79
Decimal	2640463
CIE <sub>Lab</sub>	29.19, -10.82, -6.85
CIE <sub>LCh</sub>	29, 12.800, 212.331
Yxy	5.9132, 0.2500, 0.3123
Android (android.graphics.Color)	4280830543 (0xFF284A4F)
YUV	64.4040, 7.1958, -21.4023
Hunter-Lab	24.3170, -7.7964, -3.1882

# Details

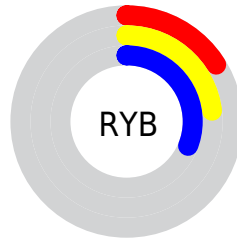
The YUV color **64.4040, 7.1958, -21.4023** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **54.5960, -7.1958, 21.4023**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **113.1050, 7.3432, -22.0171**, and **21.6000, 6.6062, -18.9432** is the 20% darker color. If you saturate the color by 10%, you get **61.4250, 8.6645, -25.8057**, and if you desaturate by 10%, it is **67.3830, 5.7272, -16.9989**.

# Distribution



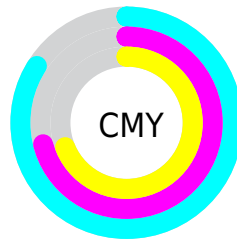
- Red (16%)
- Green (29%)
- Blue (31%)



- Red (16%)
- Yellow (23%)
- Blue (31%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (71%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 64.4040, 7.1958, -21.4023 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 64.4040, 7.1958, -21.4023 by changing the saturation by 10% instead.



■ 64.4040, 7.1958,  
-21.4023

■ 64.4040, 7.1958,  
-21.4023

■ 255.0000, 0.0000,  
0.0000

■ 41.1050, 7.3432,  
-22.0171

■ 113.1050, 7.3432,  
-22.0171

■ 21.6000, 6.6062,  
-18.9432

■ 138.8060, 7.4906,  
-22.6319

■ 2.0690, 5.3890,  
-1.8145

■ 164.9200, 7.9274,  
-22.7318

■ 0.0000, 0.0000,  
0.0000

■ 192.5070, 7.6380,  
-23.2466

■ 220.6210, 8.0748,  
-23.3466

■ 245.1330, 4.8644,

-20.2876

253.8040, 0.5896,  
-2.4591

64.4040, 7.1958,  
-21.4023

64.4040, 7.1958,  
-21.4023

61.4250, 8.6645,  
-25.8057

67.3830, 5.7272,  
-16.9989

58.4460, 10.1331,  
-30.2091

70.3620, 4.2585,  
-12.5955

55.4670, 11.6018,  
-34.6126

73.3410, 2.7899,  
-8.1921

52.4880, 13.0704,  
-39.0160

76.3200, 1.3212,  
-3.7886

49.8080, 14.3917,  
-42.8046

79.2990, -0.1474,  
0.6148

■ 49.5090, 14.5391,  
-43.4194

■ 81.9790, -1.4686,  
4.4034

■ 84.9580, -2.9373,  
8.8068

■ 87.9370, -4.4059,  
13.2103

■ 90.9160, -5.8746,  
17.6137

# Harmonies

## Analogous

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



64.4600, 2.2382, -17.9434



64.4040, 7.1958, -21.4023



65.8220, 9.9478, -17.3839

# Triad

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



64.4040, 7.1958, -21.4023



70.3910, 3.7512, 10.1811



67.9270, -9.3310, 6.2030

# Complementary

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



64.4040, 7.1958, -21.4023



54.5960, -7.1958, 21.4023

# 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.



69.1990, -8.4791, 12.9805



64.4040, 7.1958, -21.4023



70.4580, -1.2118, 15.3843

# Square

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



64.4040, 7.1958, -21.4023



69.6610, 7.5621, 1.1743



69.7310, -5.2904, 16.8989



67.0400, -7.4147, -1.7891



# Rectangle

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



64.4040, 7.1958, -21.4023



66.9690, 10.3683, -12.2508



69.7310, -5.2904, 16.8989



68.5360, -9.6312, 9.1769

# Sweetspot

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



64.4040, 7.1958, -21.4023



96.3410, 2.7899, -8.1921



63.4630, -9.1023, -20.5771



47.7220, 1.6161, -5.0182



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.



64.4040, 7.1958, -21.4023



79.3640, 11.1595, -32.7682



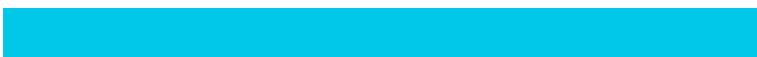
53.2510, 12.6943, -11.6211



36.8040, 0.5896, -2.4591



63.8710, 18.7976, -56.0149



143.6200, 42.5853, -125.9547



# Inverse Universe

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



55.5370, 9.1023, 20.5771



65.8680, 13.8691, 31.6878



65.7490, -12.6943, 11.6211



35.6520, 1.1576, 2.0592



40.6440, 23.8395, 53.8092

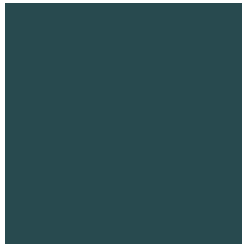


91.5700, 53.4560, 121.4031



# Previews

## White Background



This preview shows how the YUV color 64.4040, 7.1958, -21.4023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

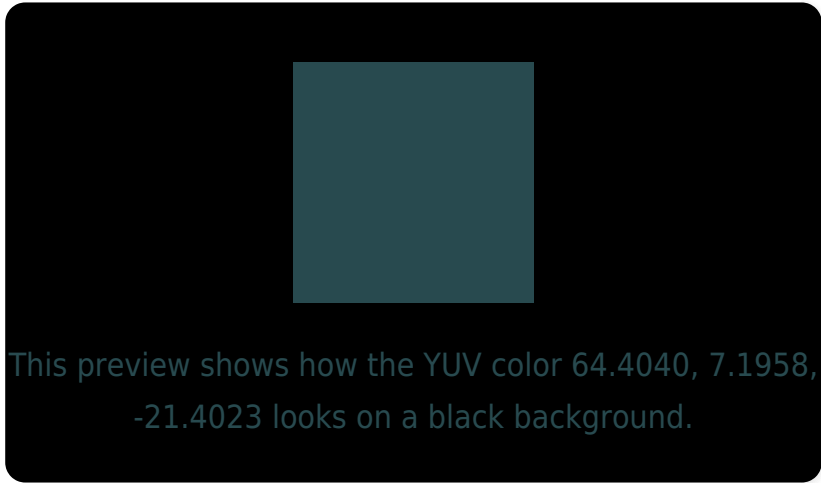
Any Text WCAG AA ✓ Pass

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

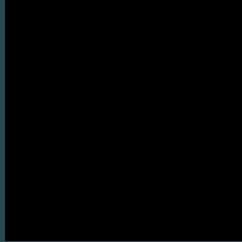
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 64.4040, 7.1958, -21.4023

## Background



This preview shows how black text looks on a background with the YUV color 64.4040, 7.1958, -21.4023.



This preview shows how white text looks on a background with the YUV color 64.4040, 7.1958, -21.4023.

-21.4023.

# 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

64.4040, 7.1958, -21.4023

### Protanopia

68.7980, 3.0576, -0.6998

### Deuteranopia

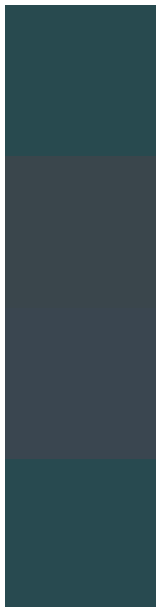
69.1940, 5.8204, -0.1701



## Tritanopia

64.5180, 7.6326, -21.5023

# Trichromacy



## Original Color

64.4040, 7.1958, -21.4023

## Protanomaly

67.0960, 4.3897, -7.9772

## Deuteranomaly

67.5520, 6.1369, -8.3771

## Tritanomaly

64.5180, 7.6326, -21.5023

# Monochromacy



## Original Color

64.4040, 7.1958, -21.4023

## Achromatopsia

64.0000, 0.0000, 0.0000

## Achromatomaly

64.2270, 2.3531, -8.0921

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 64.4040, 7.1958, -21.4023 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(40, 74, 79)` looks like.

```
.text, #text, p{  
    color:rgb(40, 74, 79)  
}
```

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(40, 74, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 74, 79) }
```

## Border

The CSS property to change the border of an element to YUV 64.4040, 7.1958, -21.4023 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(40, 74, 79) }
```



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

```
.border{ border-color:rgb(40, 74, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 74, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 74, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 74, 79);  
box-shadow:4px 4px 4px 4px rgb(40, 74, 79)  
}
```

# Background

The CSS property to change the background color of an element to YUV 64.4040, 7.1958, -21.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 74, 79) }
```

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

```
.background{ background-color: rgb(40, 74,  
79) }
```

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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