

# Converting Colors

YUV(40.8340, 8.4628, -7.7474)

Have a look what the booklet for  
YUV(40.8340, 8.4628, -7.7474)  
contains.

<b>YUV(40.8340, 8.4628, -7.7474)</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(40.8340, 8.4628,  
-7.7474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	202A3A
RGB	32, 42, 58
RGB Percent	13%, 16%, 23%
CMY	0.8745, 0.8353, 0.7725
CMYK	0.45, 0.28, 0.00, 0.77
HSL	217°, 29%, 18%
HSV	217°, 45%, 23%
XYZ	2.1873, 2.2685, 4.3256
YIQ	40.8340, -11.0960, 2.8560

# Conversions

## Conversions Part 2

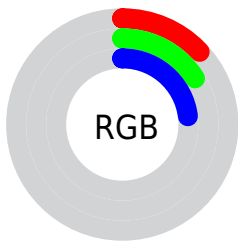
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 39, 58
Decimal	2107962
CIELab	16.84, 0.68, -11.63
CIELCh	17, 11.646, 273.346
Yxy	2.2685, 0.2491, 0.2583
Android (android.graphics.Color)	4280298042 (0xFF202A3A)
YUV	40.8340, 8.4628, -7.7474
Hunter-Lab	15.0615, -0.4345, -6.4846

# Details

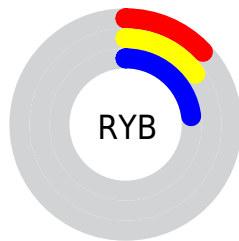
The YUV color **40.8340, 8.4628, -7.7474** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **49.1660, -8.4628, 7.7474**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.0620, 9.3364, -7.9474**, and **2.1830, 5.8258, -1.9145** is the 20% darker color. If you saturate the color by 10%, you get **36.6920, 10.5048, -9.3769**, and if you desaturate by 10%, it is **44.9760, 6.4208, -6.1180**.

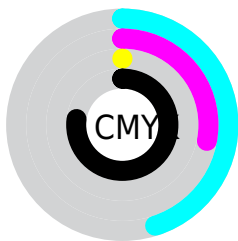
# Distribution



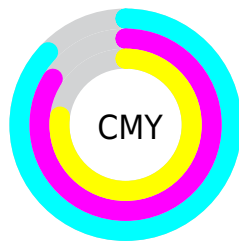
- Red (13%)
- Green (16%)
- Blue (23%)



- Red (13%)
- Yellow (15%)
- Blue (23%)



- Cyan (45%)
- Magenta (28%)
- Yellow (0%)
- Black (77%)



- Cyan (87%)
- Magenta (84%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 40.8340, 8.4628, -7.7474 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 40.8340, 8.4628, -7.7474 by changing the saturation by 10% instead.



■ 40.8340, 8.4628,  
-7.7474

■ 40.8340, 8.4628,  
-7.7474

■ 255.0000, 0.0000,  
0.0000

■ 20.3070, 7.7366,  
-8.1622

■ 86.0620, 9.3364,  
-7.9474

■ 2.1830, 5.8258,  
-1.9145

■ 110.4750, 9.6258,  
-7.4326

■ 0.0000, 0.0000,  
0.0000

■ 136.1760, 9.7732,  
-8.0474

■ 162.2900, 10.2100,  
-8.1473

■ 189.4040, 10.6468,  
-8.2473

■ 217.1050, 10.7942,

-8.8621

244.0360, 5.4053,  
-7.0476

40.8340, 8.4628,  
-7.7474

40.8340, 8.4628,  
-7.7474

36.6920, 10.5048,  
-9.3769

44.9760, 6.4208,  
-6.1180

33.1370, 12.2575,  
-11.5211

48.5310, 4.6682,  
-3.9737

29.2940, 14.1521,  
-12.5358

52.3740, 2.7736,  
-2.9590

25.7390, 15.9047,  
-14.6801

55.9290, 1.0210,  
-0.8147

21.5970, 17.9467,  
-16.3096

60.0710, -1.0210,  
0.8147

■ 19.5260, 18.9677,  
-17.1243

■ 63.6260, -2.7736,  
2.9590

■ 67.7680, -4.8156,  
4.5885

■ 71.6110, -6.7102,  
5.6032

■ 75.1660, -8.4628,  
7.7474

# Harmonies

## Analogous

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



38.1920, 8.7793, -15.9544



40.8340, 8.4628, -7.7474



42.3190, 6.2517, 1.4742

# Triad

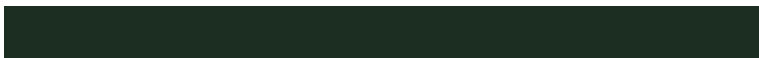
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.8340, 8.4628, -7.7474



42.2360, -4.5533, 13.8250



38.6630, -2.2989, -9.3515

# Complementary

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



40.8340, 8.4628, -7.7474



49.1660, -8.4628, 7.7474

# 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.



40.2680, -6.5411, -1.9890



40.8340, 8.4628, -7.7474



41.5300, -7.1633, 10.9362

# Square

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



40.8340, 8.4628, -7.7474



42.5610, -0.7696, 13.5400



40.6710, -7.7258, 4.6735



37.4710, 2.2328, -16.1991



# Rectangle

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



40.8340, 8.4628, -7.7474



42.5970, 4.6357, 6.4924



40.6710, -7.7258, 4.6735



39.2180, -4.0515, -7.2072

# Sweetspot

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



40.8340, 8.4628, -7.7474



69.9010, 3.4998, -2.5442



49.0860, -0.5354, -14.9844



33.8580, 2.0420, -1.6295



166.0000, 0.0000, 0.0000



38.0000, 0.0000, 0.0000



# Same Dimension

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



40.8340, 8.4628, -7.7474



49.1800, 13.7153, -12.4359



35.8610, 10.9145, -0.7551



25.9290, 1.0210, -0.8147



31.0330, 30.0567, -27.2159



74.2740, 71.3499, -65.1383



# Inverse Universe

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



40.9140, 0.5354, 14.9844



49.3820, 0.7977, 24.2210



54.1390, -10.9145, 0.7551



26.0110, -0.0054, 1.7444



31.4980, 1.7265, 53.0603

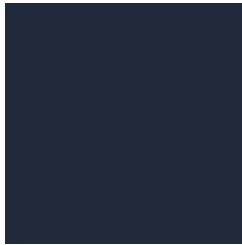


75.0570, 4.4089, 126.2380



# Previews

## White Background



This preview shows how the YUV color 40.8340, 8.4628, -7.7474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

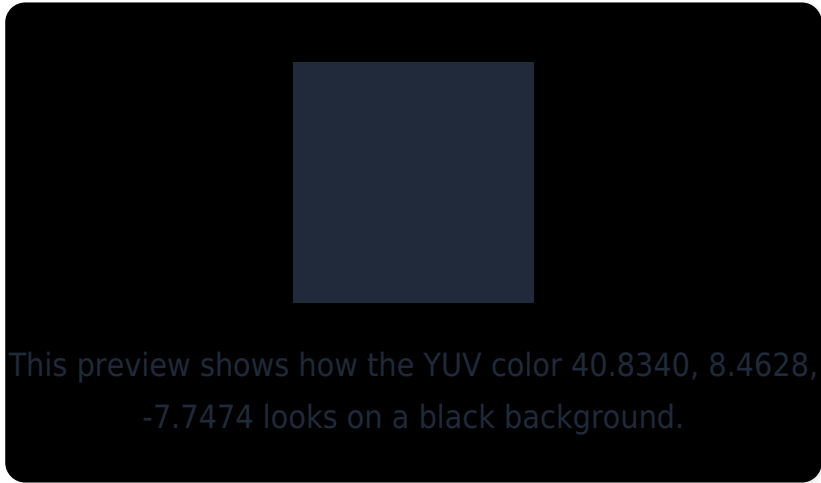
Any Text WCAG AA ✓ Pass

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

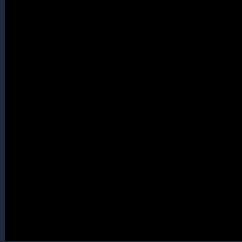
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

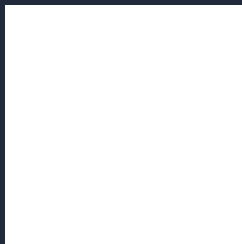
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YUV 40.8340, 8.4628, -7.7474**

## **Background**



This preview shows how black text looks on a background with the YUV color 40.8340, 8.4628, -7.7474.



This preview shows how white text looks on a background with the YUV color 40.8340, 8.4628, -7.7474.

-7.7474.

# 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

40.8340, 8.4628, -7.7474

### Protanopia

41.6280, 7.5784, -4.0588

### Deuteranopia

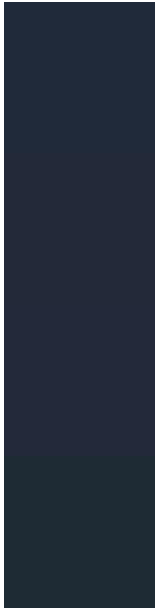
41.4430, 8.1626, -4.7735



## Tritanopia

39.9710, 3.9583, -9.6216

# Trichromacy



## Original Color

40.8340, 8.4628, -7.7474

## Protanomaly

41.0300, 7.8732, -5.2883

## Deuteranomaly

41.1440, 8.3100, -5.3883

## Tritanomaly

40.1390, 5.8475, -8.8919

# Monochromacy



## Original Color

40.8340, 8.4628, -7.7474

## Achromatopsia

41.0000, 0.0000, 0.0000

## Achromatomaly

40.7870, 3.0630, -2.4442

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 40.8340, 8.4628, -7.7474 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(32, 42, 58)` looks like.

```
.text, #text, p{  
    color:rgb(32, 42, 58)  
}
```

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(32, 42, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 42, 58) }
```

## Border

The CSS property to change the border of an element to YUV 40.8340, 8.4628, -7.7474 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(32, 42, 58) }
```



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

```
.border{ border-color:rgb(32, 42, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 42, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 42, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 42, 58);  
box-shadow:4px 4px 4px 4px rgb(32, 42, 58)  
}
```

# Background

The CSS property to change the background color of an element to YUV 40.8340, 8.4628, -7.7474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 42, 58) }
```

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

```
.background{ background-color: rgb(32, 42,  
58) }
```

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