

Converting Colors

YUV(70.8460, 40.5019,
-17.4049)

Have a look what the booklet for
YUV(70.8460, 40.5019, -17.4049)
contains.

YUV(70.8460, 40.5019, -17.4049)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(70.8460, 40.5019,
-17.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	334199
RGB	51, 65, 153
RGB Percent	20%, 25%, 60%
CMY	0.8000, 0.7451, 0.4000
CMYK	0.67, 0.58, 0.00, 0.40
HSL	232°, 50%, 40%
HSV	232°, 67%, 60%
XYZ	9.0053, 6.7843, 30.9719
YIQ	70.8460, -36.5920, 24.4000

Conversions

Conversions Part 2

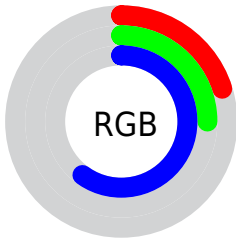
Format	Color
R_{YB}	51, 63, 153
Decimal	3359129
CIE _{Lab}	31.31, 24.02, -49.96
CIE _{LCh}	31, 55.434, 295.673
Yxy	6.7843, 0.1926, 0.1451
Android (android.graphics.Color)	4281549209 (0xFF334199)
YUV	70.8460, 40.5019, -17.4049
Hunter-Lab	26.0467, 16.1323, -52.2684

Details

The YUV color **70.8460, 40.5019, -17.4049** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **133.1540, -40.5019, 17.4049**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.6340, 42.0854, -11.9570**, and **25.0150, 37.4606, -21.9382** is the 20% darker color. If you saturate the color by 10%, you get **58.7300, 46.4751, -19.9342**, and if you desaturate by 10%, it is **82.9620, 34.5287, -14.8757**.

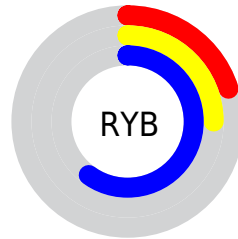
Distribution



Red (20%)

Green (25%)

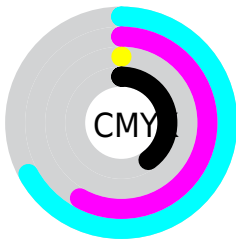
Blue (60%)



Red (20%)

Yellow (25%)

Blue (60%)

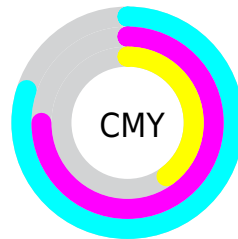


Cyan (67%)

Magenta (58%)

Yellow (0%)

Black (40%)



Cyan (80%)

Magenta (75%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YUV color 70.8460, 40.5019, -17.4049 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 70.8460, 40.5019, -17.4049 by changing the saturation by 10% instead.

■ 70.8460, 40.5019,
-17.4049

■ 70.8460, 40.5019,
-17.4049

■ 255.0000, 0.0000,
0.0000

■ 42.7090, 41.5555,
-28.6858

■ 122.6340, 42.0854,
-11.9570

■ 25.0150, 37.4606,
-21.9382

■ 148.9870, 43.3904,
-10.5126

■ 8.6640, 33.1966,
-7.5983

■ 174.6730, 39.6012,
-8.4832

■ 8.9770, 21.7033,
-7.8728

■ 199.1930, 27.5129,
-4.5543

■ 4.7080, 12.9620,
-4.1289

■ 224.3000, 15.1351,
-1.1401

■ 0.1140, 0.4368,
-0.1000

■ 250.2930, 2.3206,

■ 0.0000, 0.0000,

2.3740

0.0000

■ 70.8460, 40.5019,
-17.4049

■ 70.8460, 40.5019,
-17.4049

■ 58.7300, 46.4751,
-19.9342

■ 82.9620, 34.5287,
-14.8757

■ 46.3150, 52.5957,
-23.0783

■ 95.3770, 28.4081,
-11.7316

■ 33.6120, 58.8583,
-25.0927

■ 108.0800, 22.1456,
-9.7172

■ 29.7690, 60.7529,
-26.1074

■ 120.1960, 16.1724,
-7.1879

■ 132.6110, 10.0518,
-4.0438

■ 144.7270, 4.0786,
-1.5146

■ 156.8430, -1.8946,
1.0147

■ 169.5460, -8.1572,
3.0292

■ 181.9610,
-14.2778, 6.1732

Harmonies

Analogous

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



65.9010, 46.8838, -57.7952



70.8460, 40.5019, -17.4049



72.1970, 25.0459, 40.1692

Triad

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



70.8460, 40.5019, -17.4049



67.3230, -33.1902, 52.3367



60.9410, 2.4941, -53.4453

Complementary

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



70.8460, 40.5019, -17.4049



133.1540, -40.5019, 17.4049

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.



54.2950, -17.8934, -47.6167



70.8460, 40.5019, -17.4049



69.7940, -34.4084, 22.9827

Square

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



70.8460, 40.5019, -17.4049



61.0140, -10.8529, 74.5327



64.5790, -31.8374, -8.4008



66.5440, 21.4238, -58.3591

Rectangle

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



70.8460, 40.5019, -17.4049



63.0710, 16.2340, 66.5897



64.5790, -31.8374, -8.4008



59.2310, -4.0579, -51.9456

Sweetspot

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



70.8460, 40.5019, -17.4049



167.0820, 15.7356, -7.0879



120.7920, 8.4835, -61.2076



80.3830, 9.1782, -3.8439



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000

Same Dimension

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



70.8460, 40.5019, -17.4049



71.0400, 63.0843, -27.2221



73.3920, 39.2467, 11.9342



70.4990, 3.2050, -1.3146



27.1130, 55.6533, -23.7781



2.6560, 5.0996, -2.3293

Inverse Universe

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



83.0940, -8.9203, 61.3076



90.0490, -13.8282, 95.5500



130.6080, -39.2467, -11.9342



71.5060, -0.7425, 4.8182



44.0260, -12.3378, 84.1692



4.1150, -1.0427, 7.7921

Previews

White Background



This preview shows how the YUV color 70.8460, 40.5019, -17.4049 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



This preview shows how the YUV color 70.8460, 40.5019, -17.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

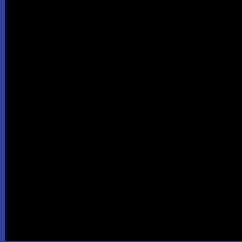
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 70.8460, 40.5019, -17.4049

Background



This preview shows how black text looks on a background with the YUV color 70.8460, 40.5019, -17.4049.



This preview shows how white text looks on a background with the YUV color 70.8460, 40.5019,

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

70.8460, 40.5019, -17.4049

Protanopia

58.7770, 44.9729, -51.5474

Deuteranopia

58.8450, 35.0794, -51.6071



Tritanopia

58.1660, 14.7082, -51.0116

Trichromacy



Original Color

70.8460, 40.5019, -17.4049

Protanomaly

63.3980, 43.1878, -38.9370

Deuteranomaly

63.0900, 36.9306, -38.6669

Tritanomaly

63.0610, 24.1269, -38.6415

Monochromacy



Original Color

70.8460, 40.5019, -17.4049

Achromatopsia

71.0000, 0.0000, 0.0000

Achromatomaly

71.1530, 14.7146, -6.2732

CSS Examples

Text

The CSS property to change the color of the text to YUV 70.8460, 40.5019, -17.4049 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(51, 65, 153)` looks like.

```
.text, #text, p{  
    color:rgb(51, 65, 153)  
}
```

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(51, 65, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 65, 153) }
```

Border

The CSS property to change the border of an element to YUV 70.8460, 40.5019, -17.4049 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(51, 65, 153) }
```


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

```
.border{ border-color:rgb(51, 65, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 65, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 65, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 65, 153);  
box-shadow:4px 4px 4px 4px rgb(51, 65,  
153) }
```

Background

The CSS property to change the background color of an element to YUV 70.8460, 40.5019, -17.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 65, 153) }
```

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

```
.background{ background-color: rgb(51, 65,  
153) }
```

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