

Converting Colors

YUV(41.9840, 31.5599, 50.8800)

Have a look what the booklet for
YUV(41.9840, 31.5599, 50.8800)
contains.

YUV(41.9840, 31.5599, 50.8800)	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>	30

Color

**YUV(41.9840, 31.5599,
50.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	64006A
RGB	100, 0, 106
RGB Percent	39%, 0%, 42%
CMY	0.6078, 1.0000, 0.5843
CMYK	0.06, 1.00, 0.00, 0.58
HSL	297°, 100%, 21%
HSV	297°, 100%, 42%
XYZ	7.8570, 3.7499, 13.9454
YIQ	41.9840, 25.5740, 54.1660

Conversions

Conversions Part 2

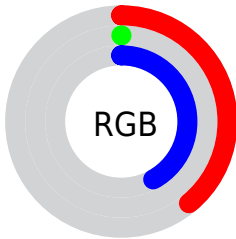
Format	Color
RYB	100, 0, 106
Decimal	6553706
CIELab	22.83, 50.45, -33.87
CIElCh	23, 60.767, 326.125
Yxy	3.7499, 0.3075, 0.1468
Android (android.graphics.Color)	4284743786 (0xFF64006A)
YUV	41.9840, 31.5599, 50.8800
Hunter-Lab	19.3647, 38.5363, -29.1419

Details

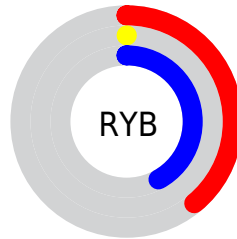
The YUV color **41.9840, 31.5599, 50.8800** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **64.0160, -31.5599, -50.8800**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.6260, 27.7924, 45.9320**, and **21.5620, 17.9639, 24.9401** is the 20% darker color. If you saturate the color by 10%, you get **41.9840, 31.5599, 50.8800**, and if you desaturate by 10%, it is **48.7400, 28.2292, 45.8320**.

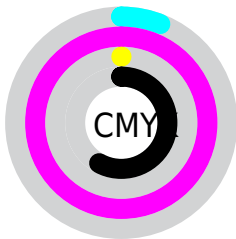
Distribution



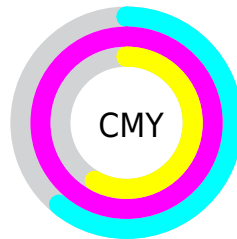
- Red (39%)
- Green (0%)
- Blue (42%)



- Red (39%)
- Yellow (0%)
- Blue (42%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YUV color 41.9840, 31.5599, 50.8800 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 41.9840, 31.5599, 50.8800 by changing the saturation by 10% instead.

41.9840, 31.5599,
50.8800

41.9840, 31.5599,
50.8800

255.0000, 0.0000,
0.0000

31.3600, 24.4725,
37.3953

101.6260, 27.7924,
45.9320

21.5620, 17.9639,
24.9401

128.9250, 27.6450,
46.5468

10.3830, 12.6292,
9.3111

156.0500, 28.0763,
48.1911

1.1400, 4.3680,
-0.9998

183.8760, 28.6551,
49.2207

0.0000, 0.0000,
0.0000

206.2790, 24.0195,
42.7283

222.7150, 15.9165,

28.3139

■ 239.7380, 7.5242,
13.3848

■ 41.9840, 31.5599,
50.8800

■ 48.7400, 28.2292,
45.8320

■ 54.6100, 25.3353,
40.6840

■ 61.3660, 22.0046,
35.6360

■ 67.2360, 19.1107,
30.4880

■ 73.9920, 15.7799,
25.4400

■ 80.7480, 12.4492,
20.3920

■ 86.6180, 9.5553,
15.2440

■ 93.3740, 6.2246,
10.1960

■ 99.2440, 3.3307,
5.0480

Harmonies

Analogous

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



43.0440, 46.8133, -35.1186



41.9840, 31.5599, 50.8800



44.8560, 8.9450, 71.1633

Triad

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



41.9840, 31.5599, 50.8800



51.7640, -25.5197, 18.6240



52.9800, 20.2229, -46.4635

Complementary

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



41.9840, 31.5599, 50.8800



64.0160, -31.5599, -50.8800

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.



47.0350, -0.0173, -41.2497



41.9840, 31.5599, 50.8800



45.0540, -22.2116, -15.8334

Square

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



41.9840, 31.5599, 50.8800



46.9560, -23.1493, 51.7816



40.5030, -19.9680, -35.5211



56.0240, 36.9632, -49.1330

Rectangle

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



41.9840, 31.5599, 50.8800



42.0340, -4.4538, 75.3922



40.5030, -19.9680, -35.5211



51.2700, 13.6709, -44.9638

Sweetspot

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



41.9840, 31.5599, 50.8800



112.4490, 12.5966, 19.7772



16.1930, 44.2749, -14.2013



53.7270, 7.5296, 11.6404



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000

Same Dimension

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



41.9840, 31.5599, 50.8800



54.6020, 41.1152, 66.1240



38.5340, 10.5827, 59.1677



50.1790, 1.8838, 2.4740



46.5270, 34.7432, 56.5428



96.9990, 72.9645, 117.5189

Inverse Universe

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



32.3780, -13.0044, 64.5665



42.1740, -16.8478, 84.0394



67.4660, -10.5827, -59.1677



49.7940, -0.8844, 3.6887



35.7810, -14.1890, 71.2291



74.8510, -29.9995, 149.2207

Previews

White Background



This preview shows how the YUV color 41.9840, 31.5599, 50.8800 looks on a white background.

Color Contrast Check

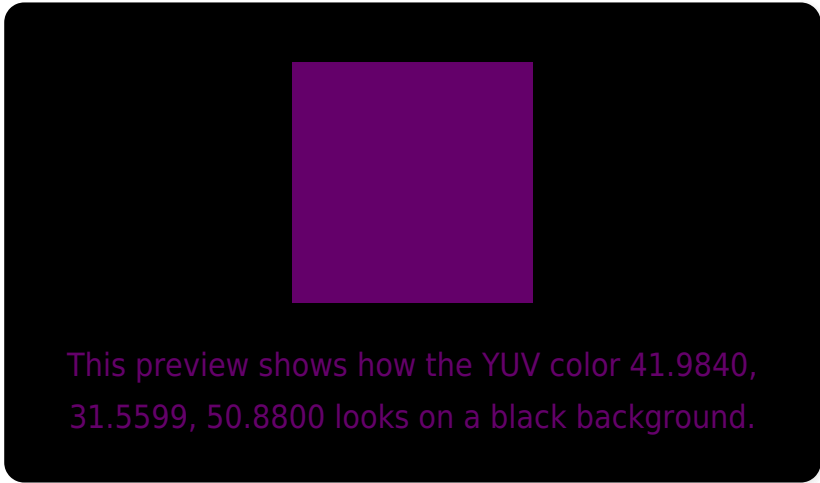
Large Text (above 18pt) WCAG AA ✓ Pass

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

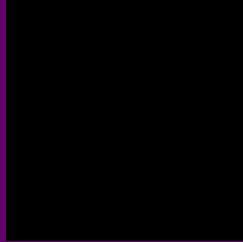
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 41.9840, 31.5599, 50.8800

Background



This preview shows how black text looks on a background with the YUV color 41.9840, 31.5599, 50.8800.



This preview shows how white text looks on a background with the YUV color 41.9840, 31.5599,

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

46.4380, 35.7731, -40.7261

Deuteranopia

54.1060, 22.6257, -23.7720

Tritanopia

57.4770, -6.6442, 31.1537

Trichromacy



Protanomaly

44.8920, 34.0702, -7.7983

Deuteranomaly

50.0800, 25.5966, 3.4378

Tritanomaly

52.1910, 7.3008, 38.4205

Monochromacy



Achromatopsia

42.0000, 0.0000, 0.0000

Achromatomaly

42.0960, 11.2917, 18.3328

CSS Examples

Text

The CSS property to change the color of the text to YUV 41.9840, 31.5599, 50.8800 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(100, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 106)  
}
```

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(100, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 106) }
```

Border

The CSS property to change the border of an element to YUV 41.9840, 31.5599, 50.8800 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(100, 0, 106) }
```

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

```
.border{ border-color:rgb(100, 0, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 0, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
106) }
```


Background

The CSS property to change the background color of an element to YUV 41.9840, 31.5599, 50.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 106) }
```

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

```
.background{ background-color: rgb(100, 0,  
106) }
```

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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