

Converting Colors

YUV(41.8700, 31.1231, 50.9800)

Have a look what the booklet for
YUV(41.8700, 31.1231, 50.9800)
contains.

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Color

**YUV(41.8700, 31.1231,
50.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	640069
RGB	100, 0, 105
RGB Percent	39%, 0%, 41%
CMY	0.6078, 1.0000, 0.5882
CMYK	0.05, 1.00, 0.00, 0.59
HSL	297°, 100%, 21%
HSV	297°, 100%, 41%
XYZ	7.8053, 3.7292, 13.6730
YIQ	41.8700, 25.8950, 53.8550

Conversions

Conversions Part 2

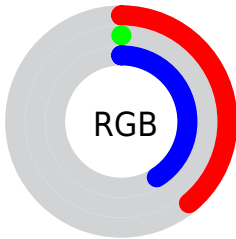
Format	Color
R_{YB}	100, 0, 105
Decimal	6553705
CIE _{Lab}	22.76, 50.28, -33.33
CIE _{LCh}	23, 60.327, 326.458
Yxy	3.7292, 0.3096, 0.1479
Android (android.graphics.Color)	4284743785 (0xFF640069)
YUV	41.8700, 31.1231, 50.9800
Hunter-Lab	19.3113, 38.3524, -28.4615

Details

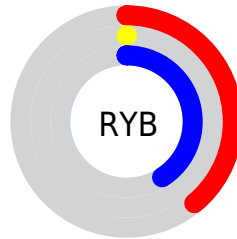
The YUV color **41.8700, 31.1231, 50.9800** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **63.1300, -31.1231, -50.9800**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.5120, 27.3556, 46.0320**, and **21.4480, 17.5271, 25.0401** is the 20% darker color. If you saturate the color by 10%, you get **41.8700, 31.1231, 50.9800**, and if you desaturate by 10%, it is **48.0390, 28.0818, 46.4468**.

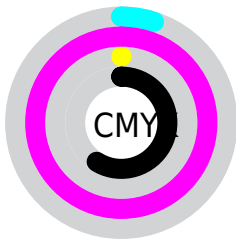
Distribution



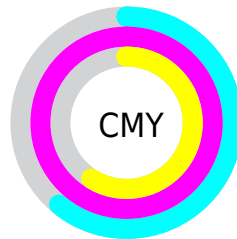
- Red (39%)
- Green (0%)
- Blue (41%)



- Red (39%)
- Yellow (0%)
- Blue (41%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (59%)



- Cyan (61%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YUV color 41.8700, 31.1231, 50.9800 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 41.8700, 31.1231, 50.9800 by changing the saturation by 10% instead.

41.8700, 31.1231,
50.9800

41.8700, 31.1231,
50.9800

255.0000, 0.0000,
0.0000

31.2460, 24.0357,
37.4953

101.5120, 27.3556,
46.0320

21.4480, 17.5271,
25.0401

128.8110, 27.2082,
46.6468

10.2690, 12.1924,
9.4111

155.9360, 27.6396,
48.2911

1.0260, 3.9312,
-0.8998

183.6480, 27.7815,
49.4207


0.0000, 0.0000,
0.0000


206.2790, 24.0195,
42.7283


222.7150, 15.9165,


28.3139


 239.7380, 7.5242,
13.3848


 41.8700, 31.1231,
50.9800

 48.0390, 28.0818,
46.4468

 54.4960, 24.8985,
40.7840

 61.2520, 21.5678,
35.7360

 67.1220, 18.6739,
30.5880

 73.8780, 15.3431,
25.5400

■ 79.7480, 12.4492,
20.3920

■ 86.5040, 9.1185,
15.3440

■ 92.3740, 6.2246,
10.1960

■ 99.1300, 2.8939,
5.1480

Harmonies

Analogous

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



44.7240, 45.4921, -31.3299



41.8700, 31.1231, 50.9800



44.7420, 8.5082, 71.2633

Triad

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



41.8700, 31.1231, 50.9800



51.4650, -25.3722, 18.0092



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.



41.8700, 31.1231, 50.9800



63.1300, -31.1231, -50.9800

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.



47.1490, 0.4195, -41.3497



41.8700, 31.1231, 50.9800



44.7550, -22.0642, -16.4481

Square

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



41.8700, 31.1231, 50.9800



47.2440, -23.2913, 50.6520



39.9160, -19.6786, -35.0063



55.9100, 36.5264, -49.0331

Rectangle

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



41.8700, 31.1231, 50.9800



42.0340, -4.4538, 75.3922



39.9160, -19.6786, -35.0063



50.6830, 13.9603, -44.4490

Sweetspot

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



41.8700, 31.1231, 50.9800



112.7480, 12.4492, 20.3920



14.9050, 44.4168, -13.0717



54.0260, 7.3822, 12.2552



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.



41.8700, 31.1231, 50.9800



54.9010, 40.9678, 66.7388



38.0070, 9.8565, 58.7529



50.1790, 1.8838, 2.4740



46.8260, 34.5958, 57.1576



97.5970, 72.6697, 118.7484

Inverse Universe

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



31.9650, -13.2937, 64.0517



42.0600, -17.2846, 84.1394



66.9930, -9.8565, -58.7529



49.7940, -0.8844, 3.6887



35.6670, -14.6258, 71.3290



74.6230, -30.8731, 149.4206

Previews

White Background



This preview shows how the YUV color 41.8700, 31.1231, 50.9800 looks on a white background.

Color Contrast Check

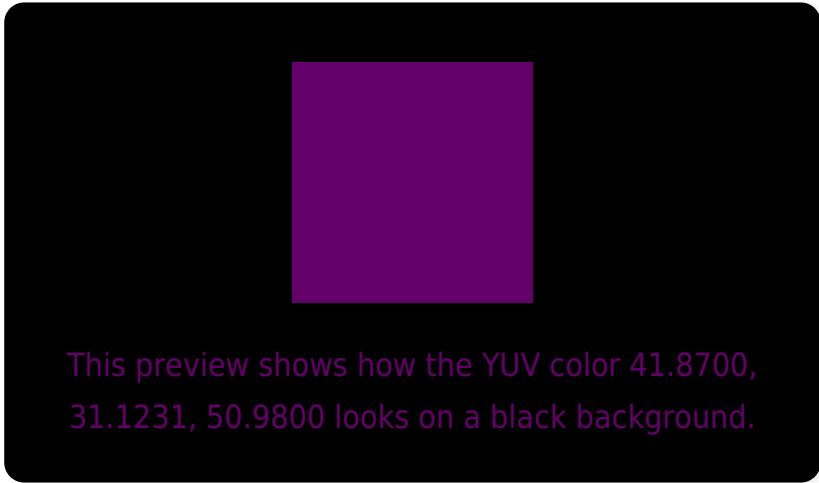
Large Text (above 18pt) WCAG AA ✓ Pass

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

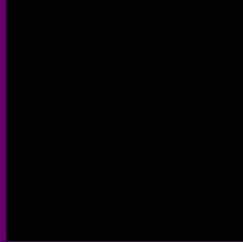
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 41.8700, 31.1231, 50.9800

Background



This preview shows how black text looks on a background with the YUV color 41.8700, 31.1231, 50.9800.



This preview shows how white text looks on a background with the YUV color 41.8700, 31.1231,

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

46.3240, 35.3363, -40.6261

Deuteranopia

54.2910, 22.0415, -23.0572

Tritanopia

56.8900, -6.3548, 31.6685

Trichromacy



Protanomaly

44.7780, 33.6334, -7.6983

Deuteranomaly

49.9660, 25.1598, 3.5378

Tritanomaly

51.4900, 7.1534, 39.0353

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 41.8700, 31.1231, 50.9800 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 105) }
```

Border

The CSS property to change the border of an element to YUV 41.8700, 31.1231, 50.9800 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, 105) }
```

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

```
.border{ border-color:rgb(100, 0, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 0,  
105) }
```


Background

The CSS property to change the background color of an element to YUV 41.8700, 31.1231, 50.9800 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, 105) }
```

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

```
.background{ background-color: rgb(100, 0,  
105) }
```

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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