

Converting Colors

YUV(99.3010, 50.6306, 0.6130)

Have a look what the booklet for
YUV(99.3010, 50.6306, 0.6130)
contains.

YUV(99.3010, 50.6306, 0.6130)	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(99.3010, 50.6306,
0.6130)**

Conversions

Conversions Part 1

Format	Color
Hex	644FCA
RGB	100, 79, 202
RGB Percent	39%, 31%, 79%
CMY	0.6078, 0.6902, 0.2078
CMYK	0.50, 0.61, 0.00, 0.21
HSL	250°, 54%, 55%
HSV	250°, 61%, 79%
XYZ	18.7122, 12.5656, 57.3163
YIQ	99.3010, -26.9670, 42.7050

Conversions

Conversions Part 2

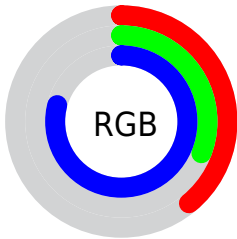
Format	Color
R_{YB}	100, 79, 202
Decimal	6574026
CIE _{Lab}	42.10, 40.43, -61.31
CIE _{LCh}	42, 73.444, 303.404
Yxy	12.5656, 0.2112, 0.1418
Android (android.graphics.Color)	4284764106 (0xFF644FCA)
YUV	99.3010, 50.6306, 0.6130
Hunter-Lab	35.4479, 32.1923, -71.0533

Details

The YUV color **99.3010, 50.6306, 0.6130** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **181.6990, -50.6306, -0.6130**, and the grayscale version is **99.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.0350, 50.7617, 5.2313**, and **46.8930, 49.3528, -9.5532** is the 20% darker color. If you saturate the color by 10%, you get **82.4780, 58.9243, 0.4578**, and if you desaturate by 10%, it is **116.1240, 42.3369, 0.7683**.

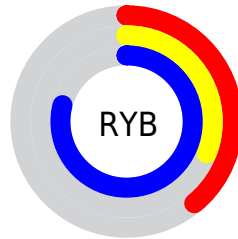
Distribution



Red (39%)

Green (31%)

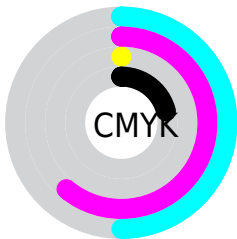
Blue (79%)



Red (39%)

Yellow (31%)

Blue (79%)

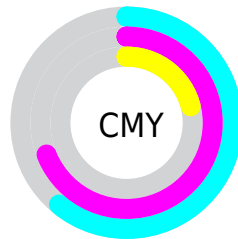


Cyan (50%)

Magenta (61%)

Yellow (0%)

Black (21%)



Cyan (61%)

Magenta (69%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the YUV color 99.3010, 50.6306, 0.6130 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 99.3010, 50.6306, 0.6130 by changing the saturation by 10% instead.

■ 99.3010, 50.6306,
0.6130

■ 99.3010, 50.6306,
0.6130

■ 255.0000, 0.0000,
0.0000

■ 73.0510, 49.7679,
-2.6757

■ 152.0350, 50.7617,
5.2313

■ 46.8930, 49.3528,
-9.5532

■ 175.9680, 38.9628,
9.6751

■ 19.5500, 49.5219,
-17.1453

■ 201.0750, 26.5850,
13.0892

■ 10.8300, 41.4958,
-9.4979

■ 225.8940, 14.3493,
17.6330

■ 9.7410, 29.7077,
-8.5429

■ 245.6080, 4.6303,
8.2368

■ 7.7060, 19.3719,
-6.7582

■ 3.4370, 10.6306,

-3.0142

■ 0.0000, 0.0000,
0.0000

■ 99.3010, 50.6306,
0.6130

■ 99.3010, 50.6306,
0.6130

■ 82.4780, 58.9243,
0.4578

■ 116.1240, 42.3369,
0.7683

■ 65.6550, 67.2181,
0.3026

■ 132.9470, 34.0431,
0.9235

■ 48.5440, 75.6538,
1.2769

■ 150.0580, 25.6074,
-0.0509

■ 33.1940, 83.2214,
0.7069

■ 166.8810, 17.3137,
0.1044

■ 183.7040, 9.0199,
0.2596

■ 200.5270, 0.7262,
0.4148

■ 217.0510, -7.4201,
-0.0447

■ 234.4610,
-16.0033, -0.4043

■ 247.7620,
-22.5607, 2.8397

Harmonies

Analogous

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



87.5300, 66.2937, -76.7638



99.3010, 50.6306, 0.6130



89.6540, 32.2156, 73.9714

Triad

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



99.3010, 50.6306, 0.6130



92.1750, -45.4423, 62.1135



84.7580, 9.9793, -74.3328

Complementary

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



99.3010, 50.6306, 0.6130



181.6990, -50.6306, -0.6130

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.



75.5870, -17.5444, -66.2898



99.3010, 50.6306, 0.6130



92.7970, -45.7489, 20.3490

Square

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



99.3010, 50.6306, 0.6130



80.3070, -21.8434, 99.7088



81.5690, -40.2135, -28.5630



91.5980, 36.1872, -80.3314

Rectangle

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



99.3010, 50.6306, 0.6130



71.7140, 21.3400, 108.9988



81.5690, -40.2135, -28.5630



81.7770, 1.0959, -71.7184

Sweetspot

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



99.3010, 50.6306, 0.6130



216.6360, 18.9135, 0.3192



152.8960, 24.2083, -64.8068



103.8010, 11.9301, 0.1745



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



99.3010, 50.6306, 0.6130



99.7720, 76.5274, 1.0770



117.5400, 41.6388, 38.1144



93.7380, 4.0732, 0.2298



27.2960, 68.3811, 0.6174



6.4250, 15.5665, 0.5043

Inverse Universe

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



127.4050, 26.4223, 65.4198



142.1700, 39.8492, 98.9519



163.4600, -41.6388, -38.1144



95.9020, 2.0203, 5.3479



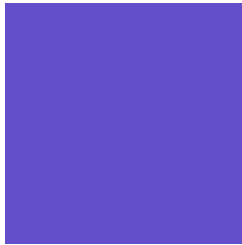
65.2520, 35.3718, 88.3560



15.0100, 8.3761, 20.1622

Previews

White Background



This preview shows how the YUV color 99.3010, 50.6306, 0.6130 looks on a white background.

Color Contrast Check

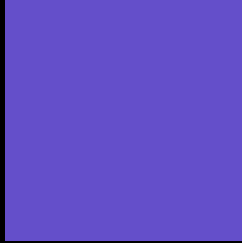
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 99.3010, 50.6306, 0.6130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

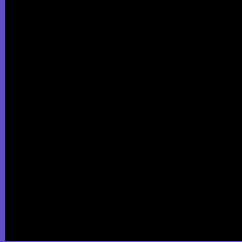
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 99.3010, 50.6306, 0.6130

Background



This preview shows how black text looks on a background with the YUV color 99.3010, 50.6306, 0.6130.



This preview shows how white text looks on a background with the YUV color 99.3010, 50.6306,

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

99.3010, 50.6306, 0.6130

Protanopia

79.4940, 60.8885, -69.7162

Deuteranopia

79.3510, 47.6480, -69.5908



Tritanopia

95.7570, 8.5008, -19.9579

Trichromacy



Original Color

99.3010, 50.6306, 0.6130

Protanomaly

86.7360, 57.3182, -44.4955

Deuteranomaly

86.4450, 48.5876, -44.2403

Tritanomaly

97.1120, 23.6088, -12.3762

Monochromacy



Original Color

99.3010, 50.6306, 0.6130

Achromatopsia

99.0000, 0.0000, 0.0000

Achromatomaly

99.1090, 18.1873, -0.0956

CSS Examples

Text

The CSS property to change the color of the text to YUV 99.3010, 50.6306, 0.6130 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, 79, 202)` looks like.

```
.text, #text, p{  
    color:rgb(100, 79, 202)  
}
```

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, 79, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 79, 202) }
```

Border

The CSS property to change the border of an element to YUV 99.3010, 50.6306, 0.6130 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, 79, 202) }
```


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

```
.border{ border-color:rgb(100, 79, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 79, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 79, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 79, 202);  
box-shadow:4px 4px 4px 4px rgb(100, 79,  
202) }
```

Background

The CSS property to change the background color of an element to YUV 99.3010, 50.6306, 0.6130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 79, 202) }
```

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

```
.background{ background-color: rgb(100, 79,  
202) }
```

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