

Converting Colors

YUV(72.2990, 70.8446, 50.6038)

Have a look what the booklet for
YUV(72.2990, 70.8446, 50.6038)
contains.

YUV(72.2990, 70.8446, 50.6038)	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(72.2990, 70.8446,
50.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	820FD8
RGB	130, 15, 216
RGB Percent	51%, 6%, 85%
CMY	0.4902, 0.9412, 0.1529
CMYK	0.40, 0.93, 0.00, 0.15
HSL	274°, 87%, 45%
HSV	274°, 93%, 85%
XYZ	21.7714, 10.0453, 65.7572
YIQ	72.2990, 4.0190, 86.8910

Conversions

Conversions Part 2

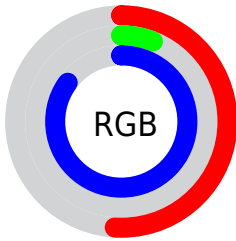
Format	Color
R_{YB}	130, 15, 216
Decimal	8523736
CIE _{Lab}	37.92, 73.50, -76.08
CIE _{LCh}	38, 105.785, 314.011
Yxy	10.0453, 0.2231, 0.1030
Android (android.graphics.Color)	4286713816 (0xFF820FD8)
YUV	72.2990, 70.8446, 50.6038
Hunter-Lab	31.6944, 67.1495, -100.8245

Details

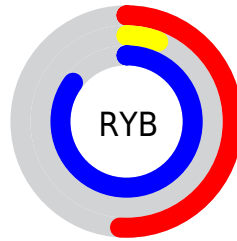
The YUV color **72.2990, 70.8446, 50.6038** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **158.7010, -70.8446, -50.6038**, and the grayscale version is **72.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1880, 59.0673, 48.0701**, and **38.5720, 59.8640, 25.8084** is the 20% darker color. If you saturate the color by 10%, you get **61.7000, 76.0699, 54.6371**, and if you desaturate by 10%, it is **87.9040, 63.1513, 44.8112**.

Distribution



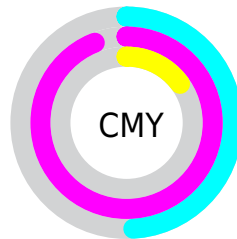
- Red (51%)
- Green (6%)
- Blue (85%)



- Red (51%)
- Yellow (6%)
- Blue (85%)



- Cyan (40%)
- Magenta (93%)
- Yellow (0%)
- Black (15%)





- Cyan (49%)
- Magenta (94%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the YUV color 72.2990, 70.8446, 50.6038 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 72.2990, 70.8446, 50.6038 by changing the saturation by 10% instead.


 72.2990, 70.8446,
50.6038


 72.2990, 70.8446,
50.6038


255.0000, 0.0000,
0.0000


 51.3320, 67.3773,
42.6818


 135.1880, 59.0673,
48.0701


 38.5720, 59.8640,
25.8084


 161.1810, 46.2528,
51.5843


 24.1320, 53.6719,
5.1462


 186.8860, 33.5802,
56.2280

 12.0840, 46.3006,
-10.5977

 204.5180, 24.8876,
44.2727

 9.2340, 35.3806,
-8.0982

 221.5410, 16.4953,
29.3435

 9.4330, 23.4505,
-8.2727

 238.5640, 8.1029,

 5.0500, 14.2723,

14.4144

-4.4289

■ 1.0260, 3.9312,
-0.8998

■ 0.0000, 0.0000,
0.0000

■ 72.2990, 70.8446,
50.6038

■ 72.2990, 70.8446,
50.6038

■ 61.7000, 76.0699,
54.6371

■ 87.9040, 63.1513,
44.8112

■ 102.9220, 55.7475,
39.5334

■ 118.8260, 47.9068,
34.3556

■ 133.8440, 40.5029,
29.0778

■ 149.4490, 32.8096,
23.2852

■ 165.0540, 25.1164,
17.4926

■ 180.3710, 17.5651,
12.8296

■ 195.9760, 9.8718,
7.0370

■ 210.9940, 2.4680,
1.7593

Harmonies

Analogous

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



82.4870, 85.0489, -72.3411



72.2990, 70.8446, 50.6038



78.6360, 29.7595, 115.2062

Triad

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



72.2990, 70.8446, 50.6038



82.9830, -40.9106, 55.2659



83.9720, 22.1988, -73.6434

Complementary

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



72.2990, 70.8446, 50.6038



158.7010, -70.8446, -50.6038

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.



72.1960, -17.8446, -63.3159



72.2990, 70.8446, 50.6038



78.7550, -38.8262, -6.8011

Square

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



72.2990, 70.8446, 50.6038



59.5010, -29.3340, 122.3406



65.1570, -32.1224, -57.1427



94.3800, 57.0007, -82.7713

Rectangle

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



72.2990, 70.8446, 50.6038



76.7370, 3.0877, 130.0267



65.1570, -32.1224, -57.1427



79.9650, 9.3843, -70.1293

Sweetspot

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



72.2990, 70.8446, 50.6038



204.0540, 25.1164, 17.4926



88.9830, 62.6194, -64.8831



96.4910, 15.5339, 10.9704



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.



72.2990, 70.8446, 50.6038



72.7240, 89.8621, 64.2631



96.5310, 52.4892, 104.7743



99.3470, 3.7729, 3.2037



48.7960, 60.2466, 43.1519



12.3770, 15.0971, 11.0704

Inverse Universe

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



84.9030, 7.9358, 114.9721



88.6710, 10.0222, 145.8705



134.4690, -52.4892, -104.7743



99.8590, 0.5625, 6.2627



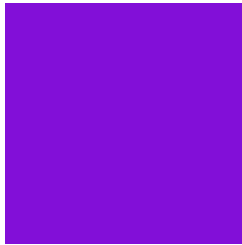
59.4510, 6.6797, 97.8285



15.0230, 1.9607, 24.5358

Previews

White Background



This preview shows how the YUV color 72.2990, 70.8446, 50.6038 looks on a white background.

Color Contrast Check

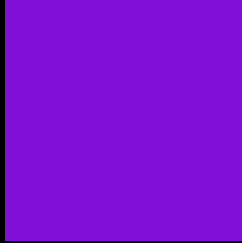
Large Text (above 18pt) WCAG AA ✓ Pass

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 72.2990, 70.8446, 50.6038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

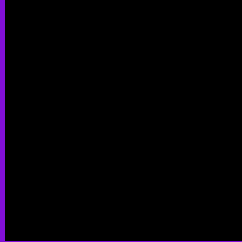
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 72.2990, 70.8446, 50.6038

Background



This preview shows how black text looks on a background with the YUV color 72.2990, 70.8446, 50.6038.



This preview shows how white text looks on a background with the YUV color 72.2990, 70.8446,

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

72.2990, 70.8446, 50.6038

Protanopia

71.9310, 54.7570, -63.0835

Deuteranopia

72.6030, 42.1007, -63.6728



Tritanopia

91.4790, 0.2569, 10.9809

Trichromacy



Original Color

72.2990, 70.8446, 50.6038

Protanomaly

72.0900, 60.5946, -22.0039

Deuteranomaly

72.6140, 52.4483, -22.4635

Tritanomaly

84.6250, 25.8209, 24.8849

Monochromacy



Original Color

72.2990, 70.8446, 50.6038

Achromatopsia

72.0000, 0.0000, 0.0000

Achromatomaly

71.8800, 25.6952, 18.5222

CSS Examples

Text

The CSS property to change the color of the text to YUV 72.2990, 70.8446, 50.6038 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(130, 15, 216)` looks like.

```
.text, #text, p{  
    color:rgb(130, 15, 216)  
}
```

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(130, 15, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 15, 216) }
```

Border

The CSS property to change the border of an element to YUV 72.2990, 70.8446, 50.6038 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(130, 15, 216) }
```


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

```
.border{ border-color:rgb(130, 15, 216) }
```

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

Here you see how a box with a 4 pixel rgb(130, 15, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 15, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 15, 216);  
box-shadow:4px 4px 4px 4px rgb(130, 15,  
216) }
```

Background

The CSS property to change the background color of an element to YUV 72.2990, 70.8446, 50.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 15, 216) }
```

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

```
.background{ background-color: rgb(130, 15,  
216) }
```

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