

Converting Colors

YUV(49.8820, 79.9242, 31.6755)

Have a look what the booklet for
YUV(49.8820, 79.9242, 31.6755)
contains.

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Color

**YUV(49.8820, 79.9242,
31.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	5600D4
RGB	86, 0, 212
RGB Percent	34%, 0%, 83%
CMY	0.6627, 1.0000, 0.1686
CMYK	0.59, 1.00, 0.00, 0.17
HSL	264°, 100%, 42%
HSV	264°, 100%, 83%
XYZ	15.7214, 6.7319, 62.7581
YIQ	49.8820, -16.7960, 84.1640

Conversions

Conversions Part 2

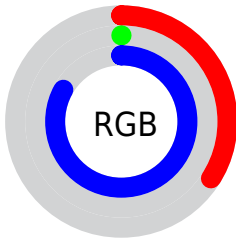
Format	Color
R _Y B	86, 0, 212
Decimal	5636308
CIE Lab	31.19, 71.07, -85.08
CIE LCh	31, 110.859, 309.870
Yxy	6.7319, 0.1845, 0.0790
Android (android.graphics.Color)	4283826388 (0xFF5600D4)
YUV	49.8820, 79.9242, 31.6755
Hunter-Lab	25.9459, 62.7533, -125.2489

Details

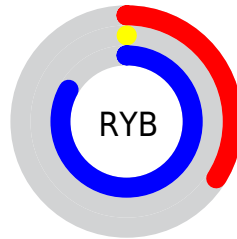
The YUV color **49.8820, 79.9242, 31.6755** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **162.1180, -79.9242, -31.6755**, and the grayscale version is **49.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.1840, 68.4363, 29.6566**, and **17.7840, 68.1405, -15.5966** is the 20% darker color. If you saturate the color by 10%, you get **49.8820, 79.9242, 31.6755**, and if you desaturate by 10%, it is **66.0960, 71.9307, 28.8568**.

Distribution



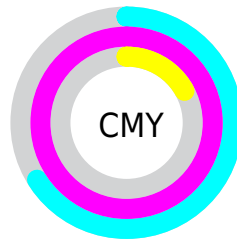
- Red (34%)
- Green (0%)
- Blue (83%)



- Red (34%)
- Yellow (0%)
- Blue (83%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (66%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YUV color 49.8820, 79.9242, 31.6755 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 49.8820, 79.9242, 31.6755 by changing the saturation by 10% instead.

49.8820, 79.9242,
31.6755

49.8820, 79.9242,
31.6755

255.0000, 0.0000,
0.0000

35.2140, 72.8585,
11.2133

116.1840, 68.4363,
29.6566

17.7840, 68.1405,
-15.5966

141.8890, 55.7637,
34.3003

14.7060, 56.3469,
-12.8972

167.0070, 43.3805,
39.4589

11.6280, 44.5534,
-10.1978

192.7120, 30.7080,
44.1026

14.6480, 30.7395,
-12.8463

212.7360, 20.8362,
37.0655


8.9770, 21.7033,
-7.8728


229.7590, 12.4438,

4.7080, 12.9620,


22.1364


-4.1289


 246.7820, 4.0515,
7.2072


 0.2280, 0.8736,
-0.2000


 0.0000, 0.0000,
0.0000

 49.8820, 79.9242,
31.6755

 66.0960, 71.9307,
28.8568

 82.0110, 64.0846,
25.4234

 98.8120, 55.8017,
22.0899

 114.7270, 47.9556,
18.6564

■ 130.9410, 39.9621,
15.8377

■ 147.1550, 31.9686,
13.0191

■ 163.0700, 24.1225,
9.5856

■ 179.8710, 15.8396,
6.2521

■ 195.7860, 7.9935,
2.8187

Harmonies

Analogous

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



77.0900, 87.2166, -67.6079



49.8820, 79.9242, 31.6755



71.3030, 31.4026, 101.4663

Triad

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



49.8820, 79.9242, 31.6755



64.4320, -31.7650, 61.8881



69.7410, 15.9037, -61.1629

Complementary

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



49.8820, 79.9242, 31.6755



162.1180, -79.9242, -31.6755

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.



56.9390, -28.0709, -49.9355



49.8820, 79.9242, 31.6755



66.0960, -32.5853, -1.8382

Square

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



49.8820, 79.9242, 31.6755



55.6140, -27.4177, 114.3485



54.5910, -26.9134, -47.8763



81.1920, 52.1633, -71.2054

Rectangle

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



49.8820, 79.9242, 31.6755



70.8990, 3.9938, 119.3606



54.5910, -26.9134, -47.8763



66.2070, 2.3629, -58.0635

Sweetspot

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



49.8820, 79.9242, 31.6755



196.9330, 28.6270, 11.4598



98.7170, 55.8485, -86.5748



92.6260, 17.4394, 6.4670



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.



49.8820, 79.9242, 31.6755



59.8670, 96.2006, 37.8276



81.2770, 64.4464, 96.2271



98.7490, 4.0677, 1.9741



40.1250, 64.5214, 25.3234



10.2840, 16.1290, 6.7669

Inverse Universe

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



77.7520, 23.7863, 117.7355



93.5730, 28.8045, 141.5715



130.7230, -64.4464, -96.2271



100.0870, 1.4361, 6.0627



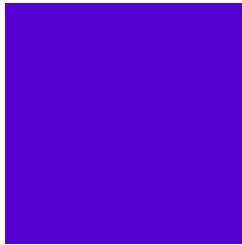
62.7570, 19.3468, 94.9291



15.8210, 5.0182, 23.8360

Previews

White Background



This preview shows how the YUV color 49.8820, 79.9242, 31.6755 looks on a white background.

Color Contrast Check

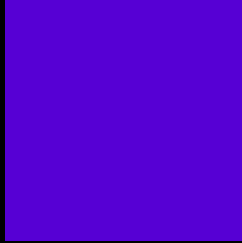
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8820, 79.9242, 31.6755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

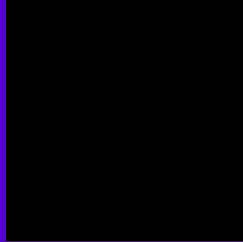
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 49.8820, 79.9242, 31.6755

Background



This preview shows how black text looks on a background with the YUV color 49.8820, 79.9242, 31.6755.



This preview shows how white text looks on a background with the YUV color 49.8820, 79.9242,

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

60.2930, 45.7046, -52.8770

Deuteranopia

60.6060, 34.2112, -53.1515

Tritanopia

66.9510, 10.8702, -33.2830

Trichromacy



Protanomaly

56.1070, 58.1212, -22.0188

Deuteranomaly

56.8590, 50.8485, -22.6783

Tritanomaly

60.7500, 36.1123, -9.4277

Monochromacy



Achromatopsia

50.0000, 0.0000, 0.0000

Achromatomaly

50.0470, 29.0638, 11.3598

CSS Examples

Text

The CSS property to change the color of the text to YUV 49.8820, 79.9242, 31.6755 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(86, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 212)  
}
```

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(86, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 212) }
```

Border

The CSS property to change the border of an element to YUV 49.8820, 79.9242, 31.6755 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(86, 0, 212) }
```

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

```
.border{ border-color:rgb(86, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(86, 0, 212)  
}
```


Background

The CSS property to change the background color of an element to YUV 49.8820, 79.9242, 31.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 212) }
```

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

```
.background{ background-color: rgb(86, 0,  
212) }
```

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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