

Converting Colors

YUV(50.5980, 100.7702,
18.7696)

Have a look what the booklet for
YUV(50.5980, 100.7702, 18.7696)
contains.

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Color

**YUV(50.5980, 100.7702,
18.7696)**

Conversions

Conversions Part 1

Format	Color
Hex	4800FF
RGB	72, 0, 255
RGB Percent	28%, 0%, 100%
CMY	0.7176, 1.0000, 0.0000
CMYK	0.72, 1.00, 0.00, 0.00
HSL	257°, 100%, 50%
HSV	257°, 100%, 100%
XYZ	20.7225, 8.5977, 95.1751
YIQ	50.5980, -38.9430, 94.5690

Conversions

Conversions Part 2

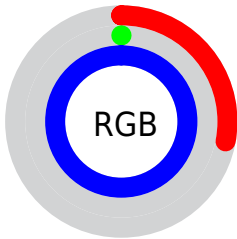
Format	Color
R_{YB}	72, 0, 255
Decimal	4718847
CIE Lab	35.20, 80.25, -102.96
CIE LCh	35, 130.539, 307.936
Yxy	8.5977, 0.1665, 0.0691
Android (android.graphics.Color)	4282908927 (0xFF4800FF)
YUV	50.5980, 100.7702, 18.7696
Hunter-Lab	29.3219, 74.8371, -171.9225

Details

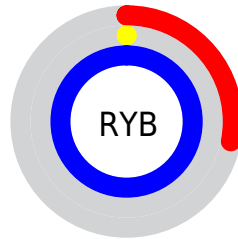
The YUV color **50.5980, 100.7702, 18.7696** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **204.4020, -100.7702, -18.7696**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.3470, 67.8629, 26.8827**, and **22.3440, 85.6124, -19.5957** is the 20% darker color. If you saturate the color by 10%, you get **50.5980, 100.7702, 18.7696**, and if you desaturate by 10%, it is **70.6550, 90.8821, 16.9656**.

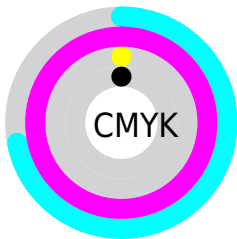
Distribution



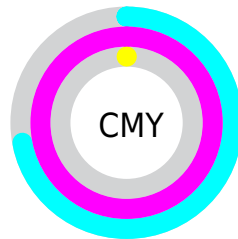
- Red (28%)
- Green (0%)
- Blue (100%)



- Red (28%)
- Yellow (0%)
- Blue (100%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 50.5980, 100.7702, 18.7696 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 50.5980, 100.7702, 18.7696 by changing the saturation by 10% instead.

■ 50.5980, 100.7702,
18.7696

■ 50.5980, 100.7702,
18.7696

255.0000, 0.0000,
0.0000

■ 25.6500, 98.2796,
-22.4951

■ 117.3470, 67.8629,
26.8827

■ 22.3440, 85.6124,
-19.5957

■ 144.2370, 54.6062,
32.2412

■ 19.1520, 73.3821,
-16.7963

■ 170.5400, 41.6388,
38.1144

■ 15.9600, 61.1517,
-13.9969

■ 196.5440, 28.8188,
43.3729

■ 18.2790, 47.1905,
-16.0307

■ 216.2580, 19.0998,
33.9767

■ 17.0760, 34.9655,
-14.9757


■ 233.2810, 10.7075,


■ 11.4050, 25.9293,


19.0476


-10.0022


 250.3040, 2.3151,
4.1184


 6.4350, 17.0405,
-5.6435


 2.6390, 7.5730,
-2.3144

 50.5980, 100.7702,
18.7696

 70.6550, 90.8821,
16.9656

 91.5980, 80.5572,
15.2616

 112.2420, 70.3797,
12.9428

 132.2990, 60.4916,
11.1388

■ 152.9430, 50.3141,
8.8200

■ 173.2990, 40.2786,
7.6308

■ 193.9430, 30.1011,
5.3120

■ 214.0000, 20.2130,
3.5080

■ 234.9430, 9.8881,
1.8040

Harmonies

Analogous

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



86.0090, 83.3126, -75.4299



50.5980, 100.7702, 18.7696



82.6820, 40.0898, 115.1659

Triad

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



50.5980, 100.7702, 18.7696



68.3850, -33.7138, 80.3464



78.2840, 15.6360, -68.6551

Complementary

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



50.5980, 100.7702, 18.7696



204.4020, -100.7702, -18.7696

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.



63.9830, -31.5436, -56.1131



50.5980, 100.7702, 18.7696



74.9670, -36.9587, 0.9059

Square

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



50.5980, 100.7702, 18.7696



65.1820, -32.1347, 134.0214



61.6350, -30.3861, -54.0539



93.0750, 59.6160, -81.6268

Rectangle

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



50.5980, 100.7702, 18.7696



83.0030, 6.4075, 138.5634



61.6350, -30.3861, -54.0539



73.4790, -0.2361, -64.4411

Sweetspot

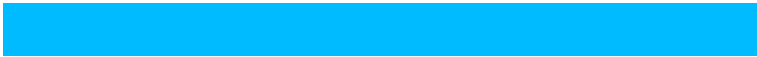
The Sweet Spot groups the original color and five complimentary colors.



50.5980, 100.7702, 18.7696



193.9430, 30.1011, 5.3120



138.8390, 57.2674, -121.7618



91.1310, 18.1764, 3.3931



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.



50.5980, 100.7702, 18.7696



87.3750, 82.6391, 94.3871



117.3790, 5.2362, 0.5446



37.9200, 75.4684, 14.1022



12.6780, 25.3017, 4.6674

Inverse Universe

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



97.1070, 42.3452, 138.4722



167.6250, -82.6391, -94.3871



119.9130, 2.0149, 7.0923



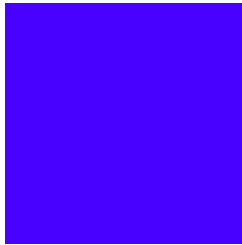
72.7270, 31.6866, 103.7254



24.3800, 10.6587, 34.7467

Previews

White Background



This preview shows how the YUV color 50.5980, 100.7702, 18.7696 looks on a white background.

Color Contrast Check

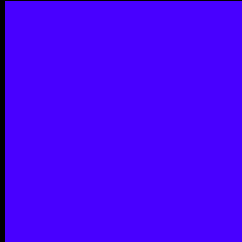
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5980, 100.7702, 18.7696 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 50.5980, 100.7702, 18.7696

Background



This preview shows how black text looks on a background with the YUV color 50.5980, 100.7702, 18.7696.



This preview shows how white text looks on a background with the YUV color 50.5980, 100.7702, 18.7696.

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

66.8130, 50.3782, -58.5950

Deuteranopia

66.8980, 38.0113, -58.6695

Tritanopia

65.7630, 15.8928, -57.6742

Trichromacy



Protanomaly

61.0980, 68.4787, -30.7809

Deuteranomaly

61.0350, 60.6217, -30.7257

Tritanomaly

60.0770, 46.7970, -29.8855

Monochromacy



Achromatopsia

51.0000, 0.0000, 0.0000

Achromatomaly

50.6750, 36.6422, 7.3010

CSS Examples

Text

The CSS property to change the color of the text to YUV 50.5980, 100.7702, 18.7696 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(72, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 0, 255)  
}
```

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(72, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 0, 255) }
```

Border

The CSS property to change the border of an element to YUV 50.5980, 100.7702, 18.7696 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(72, 0, 255) }
```

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

```
.border{ border-color:rgb(72, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(72, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to YUV 50.5980, 100.7702, 18.7696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 0, 255) }
```

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

```
.background{ background-color: rgb(72, 0,  
255) }
```

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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