

Converting Colors

YUV(71.4420, 53.5191, 7.5054)

Have a look what the booklet for
YUV(71.4420, 53.5191, 7.5054)
contains.

YUV(71.4420, 53.5191, 7.5054)	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(71.4420, 53.5191,
7.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	502EB4
RGB	80, 46, 180
RGB Percent	31%, 18%, 71%
CMY	0.6863, 0.8196, 0.2941
CMYK	0.56, 0.74, 0.00, 0.29
HSL	255°, 59%, 44%
HSV	255°, 74%, 71%
XYZ	12.5235, 6.9548, 43.8624
YIQ	71.4420, -22.7500, 48.8820

Conversions

Conversions Part 2

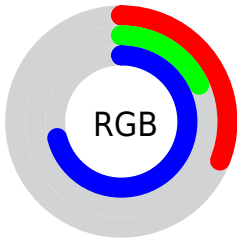
Format	Color
R_{YB}	80, 46, 180
Decimal	5254836
CIE _{Lab}	31.70, 48.81, -65.46
CIE _{LCh}	32, 81.655, 306.709
Yxy	6.9548, 0.1977, 0.1098
Android (android.graphics.Color)	4283444916 (0xFF502EB4)
YUV	71.4420, 53.5191, 7.5054
Hunter-Lab	26.3719, 38.6154, -80.1523

Details

The YUV color **71.4420, 53.5191, 7.5054** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **154.5580, -53.5191, -7.5054**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.9310, 55.2500, 12.3385**, and **14.3640, 55.0365, -12.5972** is the 20% darker color. If you saturate the color by 10%, you get **56.9890, 60.6444, 8.7796**, and if you desaturate by 10%, it is **85.8950, 46.3938, 6.2311**.

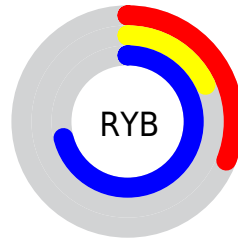
Distribution



Red (31%)

Green (18%)

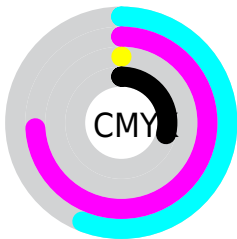
Blue (71%)



Red (31%)

Yellow (18%)

Blue (71%)

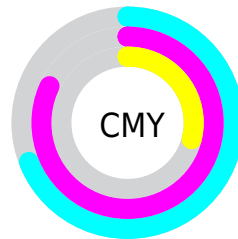


Cyan (56%)

Magenta (74%)

Yellow (0%)

Black (29%)



Cyan (69%)

Magenta (82%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YUV color 71.4420, 53.5191, 7.5054 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 71.4420, 53.5191, 7.5054 by changing the saturation by 10% instead.

■ 71.4420, 53.5191,
7.5054

■ 71.4420, 53.5191,
7.5054

■ 255.0000, 0.0000,
0.0000

■ 44.1210, 53.6773,
3.4019

■ 124.9310, 55.2500,
12.3385

■ 14.3640, 55.0365,
-12.5972

■ 150.3290, 51.6028,
15.4975

■ 11.4000, 43.6798,
-9.9978

■ 175.1480, 39.3670,
20.0412

■ 8.5500, 32.7599,
-7.4984

■ 199.6680, 27.2787,
23.9702

■ 8.1620, 21.1191,
-7.1581

■ 224.4760, 15.0483,
26.7695

■ 4.4800, 12.0884,
-3.9290

■ 240.9120, 6.9454,

■ 0.0000, 0.0000,

12.3552

0.0000

■ 71.4420, 53.5191,
7.5054

■ 71.4420, 53.5191,
7.5054

■ 56.9890, 60.6444,
8.7796

■ 85.8950, 46.3938,
6.2311

■ 42.2370, 67.9172,
9.4392

■ 100.6470, 39.1210,
5.5716

■ 34.2740, 71.8429,
10.2837

■ 115.1000, 31.9957,
4.2973

■ 129.8520, 24.7230,
3.6378

■ 144.3050, 17.5976,
2.3635

■ 159.0570, 10.3249,
1.7040

■ 173.5100, 3.1996,
0.4297

■ 187.9630, -3.9258,
-0.8446

■ 202.7150,
-11.1985, -1.5041

Harmonies

Analogous

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



71.0310, 66.5397, -62.2942



71.4420, 53.5191, 7.5054



61.4210, 32.3304, 83.8228

Triad

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



71.4420, 53.5191, 7.5054



67.6330, -33.3431, 54.6959



66.9710, 10.3673, -58.7336

Complementary

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



71.4420, 53.5191, 7.5054



154.5580, -53.5191, -7.5054

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.



57.4750, -20.9402, -50.4056



71.4420, 53.5191, 7.5054



68.8200, -33.9283, 8.9279

Square

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



71.4420, 53.5191, 7.5054



49.6340, -24.4696, 102.0530



52.8300, -26.0452, -46.3319



74.7400, 37.5962, -65.5470

Rectangle

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



71.4420, 53.5191, 7.5054



62.3140, 11.1842, 99.7026



52.8300, -26.0452, -46.3319



64.4630, 0.7577, -56.5341

Sweetspot

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



71.4420, 53.5191, 7.5054



192.8150, 20.7972, 2.7932



120.5630, 29.3024, -65.3918



92.8120, 11.9247, 1.9189



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000

Same Dimension

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



71.4420, 53.5191, 7.5054



65.6730, 83.4782, 11.6878



91.4750, 43.6428, 48.6954



81.9230, 3.4890, 0.9445



29.1030, 61.0812, 8.6797



4.7580, 10.4723, 1.0892

Inverse Universe

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



97.4660, 23.9273, 72.3823



106.2750, 37.3324, 112.8918



134.8240, -43.7902, -48.0806



83.4890, 1.7309, 4.8331



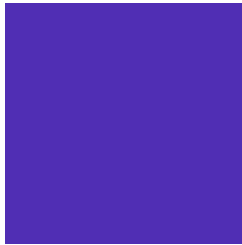
58.7430, 27.2417, 82.6634



9.9400, 4.4666, 14.0846

Previews

White Background



This preview shows how the YUV color 71.4420, 53.5191, 7.5054 looks on a white background.

Color Contrast Check

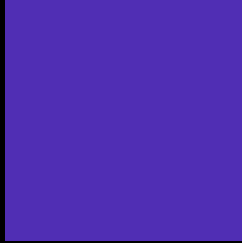
Large Text (above 18pt) WCAG AA ✓ Pass

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 71.4420, 53.5191, 7.5054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

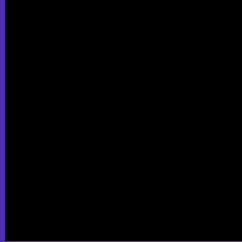
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 71.4420, 53.5191, 7.5054

Background



This preview shows how black text looks on a background with the YUV color 71.4420, 53.5191, 7.5054.



This preview shows how white text looks on a background with the YUV color 71.4420, 53.5191,

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

71.4420, 53.5191, 7.5054

Protanopia

59.5920, 45.5571, -52.2622

Deuteranopia

60.0190, 34.5006, -52.6367



Tritanopia

70.5180, 7.6326, -21.5023

Trichromacy



Original Color

71.4420, 53.5191, 7.5054

Protanomaly

64.1200, 48.2548, -30.8002

Deuteranomaly

64.2850, 41.2715, -30.9449

Tritanomaly

70.9380, 24.1876, -11.3466

Monochromacy



Original Color

71.4420, 53.5191, 7.5054

Achromatopsia

71.0000, 0.0000, 0.0000

Achromatomaly

71.1740, 19.6342, 2.4784

CSS Examples

Text

The CSS property to change the color of the text to YUV 71.4420, 53.5191, 7.5054 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(80, 46, 180)` looks like.

```
.text, #text, p{  
    color:rgb(80, 46, 180)  
}
```

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(80, 46, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 46, 180) }
```

Border

The CSS property to change the border of an element to YUV 71.4420, 53.5191, 7.5054 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(80, 46, 180) }
```


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

```
.border{ border-color:rgb(80, 46, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 46, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 46, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 46, 180);  
box-shadow:4px 4px 4px 4px rgb(80, 46,  
180) }
```

Background

The CSS property to change the background color of an element to YUV 71.4420, 53.5191, 7.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 46, 180) }
```

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

```
.background{ background-color: rgb(80, 46,  
180) }
```

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