

# Converting Colors

YUV(91.9520, 53.2677, -5.2199)

Have a look what the booklet for  
YUV(91.9520, 53.2677, -5.2199)  
contains.

<b>YUV(91.9520, 53.2677, -5.2199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(91.9520, 53.2677,  
-5.2199)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	564AC8
RGB	86, 74, 200
RGB Percent	34%, 29%, 78%
CMY	0.6627, 0.7098, 0.2157
CMYK	0.57, 0.63, 0.00, 0.22
HSL	246°, 53%, 54%
HSV	246°, 63%, 78%
XYZ	16.7119, 11.0461, 55.8949
YIQ	91.9520, -33.2940, 41.7300

# Conversions

## Conversions Part 2

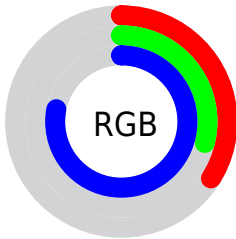
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 74, 200
Decimal	5655240
CIE <sub>Lab</sub>	39.66, 40.21, -64.18
CIE <sub>LCh</sub>	40, 75.733, 302.067
Yxy	11.0461, 0.1998, 0.1320
Android (android.graphics.Color)	4283845320 (0xFF564AC8)
YUV	91.9520, 53.2677, -5.2199
Hunter-Lab	33.2357, 31.5924, -76.4473

# Details

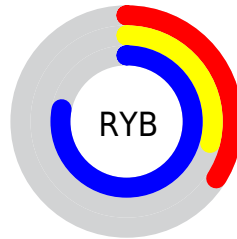
The YUV color **91.9520, 53.2677, -5.2199** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **182.0480, -53.2677, 5.2199**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.2130, 54.1250, -0.1868**, and **33.8520, 54.7960, -28.8112** is the 20% darker color. If you saturate the color by 10%, you get **74.8300, 61.7088, -5.9899**, and if you desaturate by 10%, it is **109.0740, 44.8265, -4.4499**.

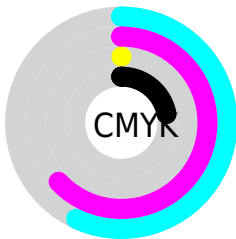
# Distribution



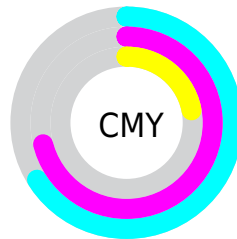
- Red (34%)
- Green (29%)
- Blue (78%)



- Red (34%)
- Yellow (29%)
- Blue (78%)



- Cyan (57%)
- Magenta (63%)
- Yellow (0%)
- Black (22%)



- Cyan (66%)
- Magenta (71%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 91.9520, 53.2677, -5.2199 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 91.9520, 53.2677, -5.2199 by changing the saturation by 10% instead.



■ 91.9520, 53.2677,  
-5.2199

■ 91.9520, 53.2677,  
-5.2199

255.0000, 0.0000,  
0.0000

■ 65.6910, 52.4103,  
-10.2530

■ 145.2130, 54.1250,  
-0.1868

■ 33.8520, 54.7960,  
-28.8112

■ 169.4450, 42.1786,  
4.8717

■ 17.5610, 49.5164,  
-15.4010

■ 193.9650, 30.0903,  
8.8007

■ 10.6020, 40.6222,  
-9.2980

■ 218.7840, 17.8545,  
13.3444

■ 12.4480, 27.3871,  
-10.9169

■ 241.4990, 6.6560,  
11.8404

■ 6.8910, 18.7877,  
-6.0434

■ 3.2090, 9.7570,

-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 91.9520, 53.2677,  
-5.2199

■ 91.9520, 53.2677,  
-5.2199

■ 74.8300, 61.7088,  
-5.9899

■ 109.0740, 44.8265,  
-4.4499

■ 57.7080, 70.1500,  
-6.7599

■ 126.1960, 36.3854,  
-3.6799

■ 40.5860, 78.5911,  
-7.5299

■ 143.3180, 27.9442,  
-2.9099

■ 28.4810, 84.5589,  
-8.3148

■ 160.4400, 19.5031,  
-2.1399

■ 177.5620, 11.0619,  
-1.3699

■ 194.9830, 2.4734,  
0.0149

■ 212.1050, -5.9678,  
0.7849

■ 229.2270,  
-14.4089, 1.5549

■ 246.3490,  
-22.8501, 2.3249

# Harmonies

## Analogous

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



84.2530, 66.4303, -73.8899



91.9520, 53.2677, -5.2199



79.7020, 36.1359, 76.5603

# Triad

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



91.9520, 53.2677, -5.2199



85.3970, -42.1007, 63.6728



80.2100, 7.7845, -70.3442

# Complementary

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



91.9520, 53.2677, -5.2199



182.0480, -53.2677, 5.2199

# 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.



70.6970, -21.0496, -62.0013



91.9520, 53.2677, -5.2199



87.7800, -43.2755, 20.3639

# Square

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



91.9520, 53.2677, -5.2199



61.9200, -14.7506, 111.4492



76.5520, -37.7401, -28.5481



87.2780, 34.8659, -76.5428



# Rectangle

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



91.9520, 53.2677, -5.2199



69.9910, 21.2034, 106.1249



76.5520, -37.7401, -28.5481



77.1150, -1.5357, -67.6299

# Sweetspot

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



91.9520, 53.2677, -5.2199



213.6680, 20.3767, -2.3398



156.4560, 21.4672, -72.3139



102.3170, 12.6617, -1.1550



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.



91.9520, 53.2677, -5.2199



88.7970, 81.9381, -7.7150



110.1910, 44.2758, 32.2815



91.0260, 3.9312, -0.8998



23.3660, 68.8396, -6.4600



5.0010, 15.2825, -1.7549



# Inverse Universe

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



124.6700, 31.2217, 66.0644



139.0700, 48.2795, 101.6706



163.5100, -44.1284, -32.8963



93.7170, 2.6045, 4.6332



65.6090, 40.6188, 85.4119

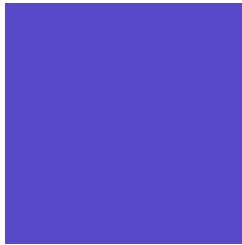


14.4120, 8.6709, 18.9327



# Previews

## White Background



This preview shows how the YUV color 91.9520, 53.2677, -5.2199 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 91.9520, 53.2677, -5.2199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

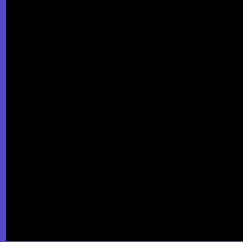
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 91.9520, 53.2677, -5.2199

## Background



This preview shows how black text looks on a background with the YUV color 91.9520, 53.2677, -5.2199.



This preview shows how white text looks on a background with the YUV color 91.9520, 53.2677, -5.2199.

-5.2199.

# 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

91.9520, 53.2677, -5.2199

### Protanopia

74.4900, 56.9464, -65.3277

### Deuteranopia

75.0480, 43.8533, -65.8171



## Tritanopia

86.6630, 11.0121, -32.1535

# Trichromacy



## Original Color

91.9520, 53.2677, -5.2199

## Protanomaly

80.6930, 55.8604, -43.5808

## Deuteranomaly

81.1030, 47.2772, -43.9403

## Tritanomaly

88.4420, 26.4041, -22.3126

# Monochromacy



## Original Color

91.9520, 53.2677, -5.2199

## Achromatopsia

92.0000, 0.0000, 0.0000

## Achromatomaly

91.7390, 19.3557, -1.5251

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 91.9520, 53.2677, -5.2199 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, 74, 200)` looks like.

```
.text, #text, p{  
    color:rgb(86, 74, 200)  
}
```

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, 74, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 74, 200) }
```

## Border

The CSS property to change the border of an element to YUV 91.9520, 53.2677, -5.2199 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, 74, 200) }
```



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

```
.border{ border-color:rgb(86, 74, 200) }
```

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

Here you see how a box with a 4 pixel rgb(86, 74, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 74, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 74, 200);  
box-shadow:4px 4px 4px 4px rgb(86, 74,  
200) }
```

# Background

The CSS property to change the background color of an element to YUV 91.9520, 53.2677, -5.2199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 74, 200) }
```

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

```
.background{ background-color: rgb(86, 74,  
200) }
```

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