

# Converting Colors

YUV(123.0580, 39.4114,  
52.5691)

Have a look what the booklet for  
YUV(123.0580, 39.4114, 52.5691)  
contains.

<b>YUV(123.0580, 39.4114, 52.5691)</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(123.0580, 39.4114,  
52.5691)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B74DCB
RGB	183, 77, 203
RGB Percent	72%, 30%, 80%
CMY	0.2824, 0.6980, 0.2039
CMYK	0.10, 0.62, 0.00, 0.20
HSL	290°, 55%, 55%
HSV	290°, 62%, 80%
XYZ	32.9618, 19.6868, 58.5626
YIQ	123.0580, 22.7300, 61.6580

# Conversions

## Conversions Part 2

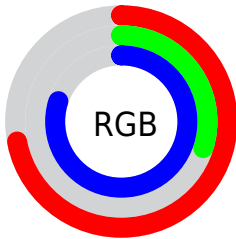
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 77, 203
Decimal	12013003
CIELab	51.48, 60.42, -46.30
CIELCh	51, 76.120, 322.535
Yxy	19.6868, 0.2964, 0.1770
Android (android.graphics.Color)	4290203083 (0xFFB74DCB)
YUV	123.0580, 39.4114, 52.5691
Hunter-Lab	44.3698, 54.9582, -47.1964

# Details

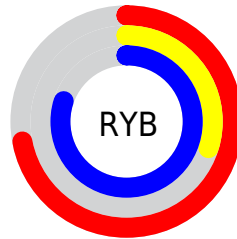
The YUV color **123.0580, 39.4114, 52.5691** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **156.9420, -39.4114, -52.5691**, and the grayscale version is **123.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **178.9120, 37.5114, 55.3282**, and **61.3020, 42.7421, 57.6171** is the 20% darker color. If you saturate the color by 10%, you get **110.4210, 45.6414, 61.0208**, and if you desaturate by 10%, it is **135.6950, 33.1814, 44.1175**.

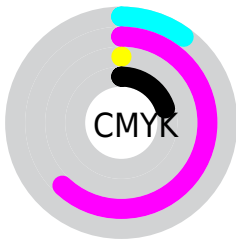
# Distribution



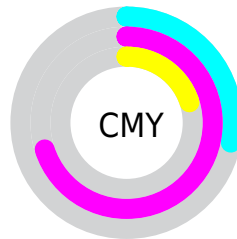
- Red (72%)
- Green (30%)
- Blue (80%)



- Red (72%)
- Yellow (30%)
- Blue (80%)



- Cyan (10%)
- Magenta (62%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (70%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.0580, 39.4114, 52.5691 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 123.0580, 39.4114, 52.5691 by changing the saturation by 10% instead.



■ 123.0580, 39.4114,  
52.5691

■ 123.0580, 39.4114,  
52.5691

■ 255.0000, 0.0000,  
0.0000

■ 94.4710, 39.7008,  
53.0839

■ 178.9120, 37.5114,  
55.3282

■ 61.3020, 42.7421,  
57.6171

■ 199.2350, 27.4921,  
48.9059

■ 43.5090, 38.6961,  
48.6656

■ 215.6710, 19.3892,  
34.4915

■ 32.4720, 31.3193,  
34.6661

■ 232.6940, 10.9969,  
19.5624

■ 22.2610, 24.5213,  
21.6961

■ 249.7170, 2.6045,  
4.6332

■ 10.0710, 19.1920,  
4.3227

■ 3.5510, 11.0674,

-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 123.0580, 39.4114,  
52.5691

■ 123.0580, 39.4114,  
52.5691

■ 110.4210, 45.6414,  
61.0208

■ 135.6950, 33.1814,  
44.1175

■ 97.1970, 52.1609,  
69.9872

■ 148.9190, 26.6619,  
35.1510

■ 84.2610, 58.5383,  
77.8241

■ 161.8550, 20.2845,  
27.3142

■ 74.2710, 63.4634,  
84.8313

■ 174.4920, 14.0544,  
18.8625

■ 187.7160, 7.5350,  
9.8961

■ 200.3530, 1.3050,  
1.4444

■ 213.2890, -5.0725,  
-6.3925

■ 225.9260,  
-11.3025, -14.8441

■ 236.2150,  
-16.3750, -21.2366

# Harmonies

## Analogous

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



115.4900, 63.8484, -39.0177



123.0580, 39.4114, 52.5691



106.0790, 17.7091, 106.9247

# Triad

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



123.0580, 39.4114, 52.5691



115.3560, -56.8705, 40.9068



108.1310, 30.9944, -94.8309

# Complementary

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



123.0580, 39.4114, 52.5691



156.9420, -39.4114, -52.5691

# 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.



99.3190, 2.3077, -87.1028



123.0580, 39.4114, 52.5691



109.1560, -53.8139, -6.2758

# Square

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



123.0580, 39.4114, 52.5691



111.9560, -53.2223, 84.2306



88.7630, -27.9842, -77.8452



112.0530, 56.1759, -98.2705



# Rectangle

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



123.0580, 39.4114, 52.5691



101.5090, -1.2369, 117.0716



88.7630, -27.9842, -77.8452



105.6230, 21.3849, -92.6314

# Sweetspot

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



123.0580, 39.4114, 52.5691



224.4320, 15.0700, 19.7921



103.6910, 48.9593, -23.4080



108.8950, 9.4188, 12.3701



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.



123.0580, 39.4114, 52.5691



135.0870, 59.1171, 78.8537



124.2500, 18.1178, 69.0638



95.5320, 3.1887, 3.9184



60.4850, 52.0189, 68.8577



13.9000, 11.8813, 15.8737



# Inverse Universe

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



116.9540, -9.8373, 75.4623



125.9310, -14.7560, 113.1935



155.7500, -18.1178, -69.0637



95.1040, -1.0373, 6.0478



52.5980, -13.1128, 99.4536



12.0460, -2.9807, 22.7617



# Previews

## White Background



This preview shows how the YUV color 123.0580, 39.4114, 52.5691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

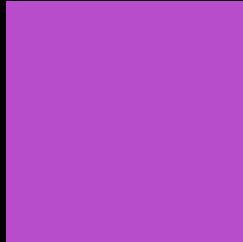
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 123.0580, 39.4114, 52.5691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

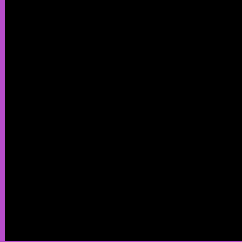
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 123.0580, 39.4114, 52.5691

## Background



This preview shows how black text looks on a background with the YUV color 123.0580, 39.4114, 52.5691.



This preview shows how white text looks on a background with the YUV color 123.0580, 39.4114,

52.5691.

# 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

123.0580, 39.4114, 52.5691

### Protanopia

110.5260, 65.8027, -59.2203

### Deuteranopia

119.2480, 37.3457, -31.7895



## Tritanopia

124.8310, -6.8187, 40.4902

# Trichromacy



## Original Color

123.0580, 39.4114, 52.5691



## Protanomaly

115.2600, 56.0738, -18.6450



## Deuteranomaly

120.3750, 38.2691, -1.2059



## Tritanomaly

123.9190, 9.8999, 44.7980

# Monochromacy



## Original Color

123.0580, 39.4114, 52.5691



## Achromatopsia

123.0000, 0.0000, 0.0000



## Achromatomaly

122.9050, 14.3438, 19.3773

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.0580, 39.4114, 52.5691 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(183, 77, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 77, 203)  
}
```

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(183, 77, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 77, 203) }
```

## Border

The CSS property to change the border of an element to YUV 123.0580, 39.4114, 52.5691 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(183, 77, 203) }
```



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

```
.border{ border-color:rgb(183, 77, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 77, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 77, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 77, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 77,  
203) }
```

# Background

The CSS property to change the background color of an element to YUV 123.0580, 39.4114, 52.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 77, 203) }
```

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

```
.background{ background-color: rgb(183, 77,  
203) }
```

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