

# Converting Colors

YUV(82.7530, 52.3798, 93.1786)

Have a look what the booklet for  
YUV(82.7530, 52.3798, 93.1786)  
contains.

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# Color

**YUV(82.7530, 52.3798,  
93.1786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD08BD
RGB	189, 8, 189
RGB Percent	74%, 3%, 74%
CMY	0.2588, 0.9686, 0.2588
CMYK	0.00, 0.96, 0.00, 0.26
HSL	300°, 92%, 39%
HSV	300°, 96%, 74%
XYZ	30.2584, 14.6666, 49.3803
YIQ	82.7530, 49.7750, 94.6630

# Conversions

## Conversions Part 2

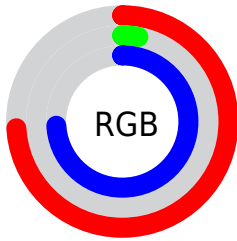
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 8, 189
Decimal	12388541
CIE <sub>Lab</sub>	45.17, 77.73, -48.19
CIE <sub>LCh</sub>	45, 91.451, 328.202
Yxy	14.6666, 0.3209, 0.1555
Android (android.graphics.Color)	4290578621 (0xFFBD08BD)
YUV	82.7530, 52.3798, 93.1786
Hunter-Lab	38.2970, 74.0128, -49.6408

# Details

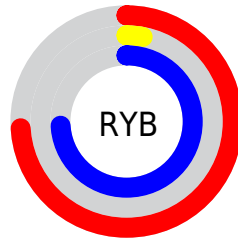
The YUV color **82.7530, 52.3798, 93.1786** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **114.2470, -52.3798, -93.1786**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **155.9120, 44.4134, 81.6382**, and **54.5590, 39.6574, 67.0388** is the 20% darker color. If you saturate the color by 10%, you get **78.0570, 54.6949, 97.2970**, and if you desaturate by 10%, it is **93.9060, 46.8813, 83.3974**.

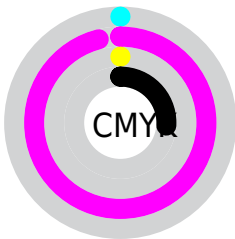
# Distribution



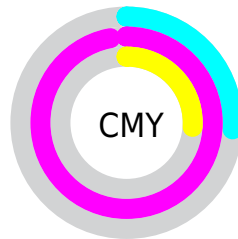
- Red (74%)
- Green (3%)
- Blue (74%)



- Red (74%)
- Yellow (3%)
- Blue (74%)



- Cyan (0%)
- Magenta (96%)
- Yellow (0%)
- Black (26%)




- Cyan (26%)
- Magenta (97%)
- Yellow (26%)
- Black (26%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 82.7530, 52.3798, 93.1786 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 82.7530, 52.3798, 93.1786 by changing the saturation by 10% instead.





 82.7530, 52.3798,  
93.1786

 82.7530, 52.3798,  
93.1786


255.0000, 0.0000,  
0.0000


 66.3080, 47.1762,  
82.1679


 155.9120, 44.4134,  
81.6382


 54.5590, 39.6574,  
67.0388


 176.3420, 38.7784,  
68.9831

 42.9240, 32.5755,  
51.8097


 193.9520, 30.0967,  
53.5391

 31.7020, 25.7829,  
37.0953

 210.9750, 21.7043,  
38.6099

 20.8930, 19.2798,  
22.8958

 228.5850, 13.0226,  
23.1660

 6.6100, 14.9823,  
1.2190

 246.1950, 4.3409,

 2.0690, 5.3890,

7.7220

-1.8145

■ 0.0000, 0.0000,  
0.0000

■ 82.7530, 52.3798,  
93.1786

■ 82.7530, 52.3798,  
93.1786

■ 78.0570, 54.6949,  
97.2970

■ 93.9060, 46.8813,  
83.3974

■ 105.0590, 41.3829,  
73.6163

■ 116.2120, 35.8845,  
63.8351

■ 127.3650, 30.3861,  
54.0539

■ 138.5180, 24.8876,  
44.2727

■ 149.0840, 19.6786,  
35.0063

■ 160.2370, 14.1802,  
25.2252

■ 171.3900, 8.6817,  
15.4440

■ 182.5430, 3.1833,  
5.6628

# Harmonies

## Analogous

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



98.4230, 72.2625, -31.0660



82.7530, 52.3798, 93.1786



81.8800, 16.3282, 129.9012

# Triad

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



82.7530, 52.3798, 93.1786



100.8260, -49.7072, 29.9706



100.7110, 38.1035, -88.3235

# Complementary

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



82.7530, 52.3798, 93.1786



114.2470, -52.3798, -93.1786

# 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.



90.6450, 4.6120, -79.4957



82.7530, 52.3798, 93.1786



88.0590, -43.4131, -28.9927

# Square

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



82.7530, 52.3798, 93.1786



94.6770, -46.6758, 84.4753



76.8970, -37.9102, -67.4387



105.2030, 65.4689, -92.2630



# Rectangle

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



82.7530, 52.3798, 93.1786



76.8920, -5.3698, 136.0297



76.8970, -37.9102, -67.4387



97.2740, 27.4729, -85.3093

# Sweetspot

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



82.7530, 52.3798, 93.1786



203.3230, 20.5468, 36.5507



28.6340, 79.0604, -18.0960



97.3460, 12.1544, 21.6216



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



82.7530, 52.3798, 93.1786



101.1850, 70.9008, 126.1258



72.4930, 13.0680, 102.1766



88.7170, 2.6045, 4.6332



65.2540, 45.7238, 81.3382



12.8030, 8.9711, 15.9588



# Inverse Universe

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



82.7530, 52.3798, 93.1786



101.1850, 70.9008, 126.1258



124.6210, -12.6312, -102.2766



88.7170, 2.6045, 4.6332



65.2540, 45.7238, 81.3382



12.8030, 8.9711, 15.9588



# Previews

## White Background



This preview shows how the YUV color 82.7530, 52.3798, 93.1786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

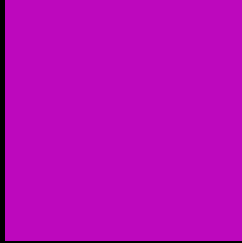
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 82.7530, 52.3798, 93.1786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

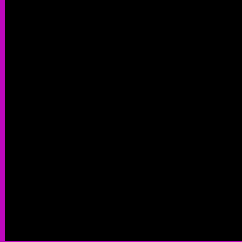
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 82.7530, 52.3798, 93.1786

## Background



This preview shows how black text looks on a background with the YUV color 82.7530, 52.3798, 93.1786.



This preview shows how white text looks on a background with the YUV color 82.7530, 52.3798,



# 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

82.7530, 52.3798, 93.1786

### Protanopia

86.9430, 66.5831, -76.2490

### Deuteranopia

103.7100, 36.6250, -33.9487



## Tritanopia

105.3670, -12.9989, 62.8221

# Trichromacy



## Original Color

82.7530, 52.3798, 93.1786



## Protanomaly

85.6610, 61.2991, -14.6117



## Deuteranomaly

95.9020, 42.4463, 12.3639



## Tritanomaly

97.0350, 10.8287, 73.6373

# Monochromacy



## Original Color

82.7530, 52.3798, 93.1786



## Achromatopsia

83.0000, 0.0000, 0.0000



## Achromatomaly

83.2580, 19.0998, 33.9767

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 82.7530, 52.3798, 93.1786 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(189, 8, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 8, 189)  
}
```

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(189, 8, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 8, 189) }
```

## Border

The CSS property to change the border of an element to YUV 82.7530, 52.3798, 93.1786 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(189, 8, 189) }
```



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

```
.border{ border-color:rgb(189, 8, 189) }
```

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

Here you see how a box with a 4 pixel rgb(189, 8, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 8, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 8, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 8,  
189) }
```

# Background

The CSS property to change the background color of an element to YUV 82.7530, 52.3798, 93.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 8, 189) }
```

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

```
.background{ background-color: rgb(189, 8,  
189) }
```

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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