

# Converting Colors

YUV(51.1640, 82.2501, 32.3052)

Have a look what the booklet for  
YUV(51.1640, 82.2501, 32.3052)  
contains.

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# Color

**YUV(51.1640, 82.2501,  
32.3052)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5800DA
RGB	88, 0, 218
RGB Percent	35%, 0%, 85%
CMY	0.6549, 1.0000, 0.1451
CMYK	0.60, 1.00, 0.00, 0.15
HSL	264°, 100%, 43%
HSV	264°, 100%, 85%
XYZ	16.6794, 7.1367, 66.8281
YIQ	51.1640, -17.5300, 86.4540

# Conversions

## Conversions Part 2

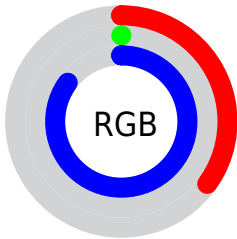
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 0, 218
Decimal	5767386
CIE Lab	32.12, 72.53, -87.01
CIE LCh	32, 113.276, 309.816
Yxy	7.1367, 0.1840, 0.0787
Android (android.graphics.Color)	4283957466 (0xFF5800DA)
YUV	51.1640, 82.2501, 32.3052
Hunter-Lab	26.7145, 64.6972, -129.6175

# Details

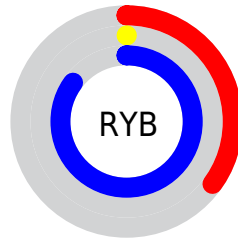
The YUV color **51.1640, 82.2501, 32.3052** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **166.8360, -82.2501, -32.3052**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.6680, 67.7047, 30.9862**, and **18.3540, 70.3245, -16.0965** is the 20% darker color. If you saturate the color by 10%, you get **51.1640, 82.2501, 32.3052**, and if you desaturate by 10%, it is **67.9650, 73.9673, 28.9717**.

# Distribution



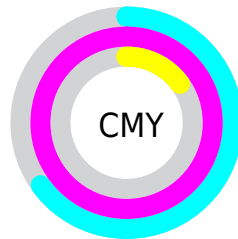
- Red (35%)
- Green (0%)
- Blue (85%)



- Red (35%)
- Yellow (0%)
- Blue (85%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (100%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 51.1640, 82.2501, 32.3052 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 51.1640, 82.2501, 32.3052 by changing the saturation by 10% instead.



■ 51.1640, 82.2501,  
32.3052

■ 51.1640, 82.2501,  
32.3052

■ 255.0000, 0.0000,  
0.0000

■ 36.1970, 75.3319,  
11.2282

■ 117.6680, 67.7047,  
30.9862

■ 18.3540, 70.3245,  
-16.0965

■ 143.3730, 55.0321,  
35.6299

■ 15.2760, 58.5309,  
-13.3971

■ 168.4910, 42.6489,  
40.7884

■ 12.3120, 47.1742,  
-10.7976

■ 194.1960, 29.9764,  
45.4321

■ 15.8050, 32.6341,  
-13.8610

■ 213.9100, 20.2574,  
36.0359


■ 9.5470, 23.8873,  
-8.3727


■ 230.9330, 11.8650,


■ 5.1640, 14.7091,


21.1068


-4.5288


 247.9560, 3.4727,  
6.1776


 1.2540, 4.8048,  
-1.0998


 0.0000, 0.0000,  
0.0000

 51.1640, 82.2501,  
32.3052

 67.9650, 73.9673,  
28.9717

 84.7660, 65.6844,  
25.6382

 100.9800, 57.6909,  
22.8195

 117.7810, 49.4080,  
19.4861

■ 134.5820, 41.1251,  
16.1526

■ 151.3830, 32.8422,  
12.8191

■ 168.1840, 24.5593,  
9.4856

■ 184.3980, 16.5658,  
6.6670

■ 201.1990, 8.2829,  
3.3335

# Harmonies

## Analogous

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



78.3780, 87.0746, -68.7375



51.1640, 82.2501, 32.3052



73.2540, 32.4128, 104.1402

# Triad

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



51.1640, 82.2501, 32.3052



66.2150, -32.6440, 63.8324



71.7300, 15.9091, -62.9072

# Complementary

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



51.1640, 82.2501, 32.3052



166.8360, -82.2501, -32.3052

# 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.



58.7000, -28.9391, -51.4799



51.1640, 82.2501, 32.3052



67.8680, -33.4589, -1.6382

# Square

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



51.1640, 82.2501, 32.3052



57.1090, -28.1547, 117.4224



56.3520, -27.7815, -49.4207



83.5230, 53.4792, -73.2497



# Rectangle

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



51.1640, 82.2501, 32.3052



72.9210, 3.9829, 122.8493



56.3520, -27.7815, -49.4207



67.6090, 2.6578, -59.2931

# Sweetspot

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



51.1640, 82.2501, 32.3052



196.6340, 28.7744, 10.8450



101.7490, 57.3117, -89.2339



92.6260, 17.4394, 6.4670



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.



51.1640, 82.2501, 32.3052



59.8670, 96.2006, 37.8276



83.4560, 66.3302, 98.7011



101.4500, 4.2151, 1.3593



40.6520, 65.2476, 25.7382



10.9250, 17.2920, 7.0818



# Inverse Universe

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



80.0020, 24.6490, 121.0242



93.5730, 28.8045, 141.5715



134.5440, -66.3302, -98.7011



102.9730, 0.9993, 6.1627



63.4690, 19.4888, 96.0587

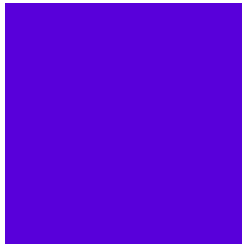


16.8320, 5.0128, 25.5803



# Previews

## White Background



This preview shows how the YUV color 51.1640, 82.2501, 32.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

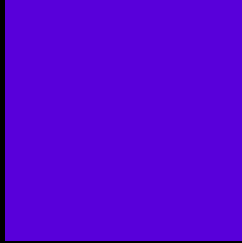
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 51.1640, 82.2501, 32.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

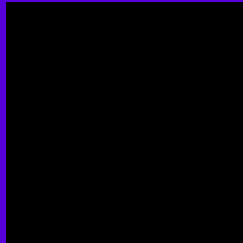
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 51.1640, 82.2501, 32.3052

## Background



This preview shows how black text looks on a background with the YUV color 51.1640, 82.2501, 32.3052.



This preview shows how white text looks on a background with the YUV color 51.1640, 82.2501,



# 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

61.9230, 46.8730, -54.3065

### Deuteranopia

62.2360, 35.3797, -54.5810

### Tritanopia

69.0540, 11.3124, -35.1274

# Trichromacy



## Protanomaly

58.1500, 59.5790, -22.9336

## Deuteranomaly

58.3150, 52.5957, -23.0783

## Tritanomaly

62.3800, 37.2807, -10.8573

# Monochromacy



## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

50.6880, 30.2268, 11.6746

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 51.1640, 82.2501, 32.3052 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(88, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 218)  
}
```

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(88, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 218) }
```

## Border

The CSS property to change the border of an element to YUV 51.1640, 82.2501, 32.3052 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(88, 0, 218) }
```

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

```
.border{ border-color:rgb(88, 0, 218) }
```

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

Here you see how a box with a 4 pixel rgb(88, 0, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 218)  
}
```



# Background

The CSS property to change the background color of an element to YUV 51.1640, 82.2501, 32.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 218) }
```

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

```
.background{ background-color: rgb(88, 0,  
218) }
```

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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