

# Converting Colors

YUV(52.3240, 52.5913, 25.1489)

Have a look what the booklet for  
YUV(52.3240, 52.5913, 25.1489)  
contains.

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# Color

**YUV(52.3240, 52.5913,  
25.1489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51119F
RGB	81, 17, 159
RGB Percent	32%, 7%, 62%
CMY	0.6824, 0.9333, 0.3765
CMYK	0.49, 0.89, 0.00, 0.38
HSL	267°, 81%, 35%
HSV	267°, 89%, 62%
XYZ	9.8518, 4.6534, 33.1798
YIQ	52.3240, -7.4380, 57.7300

# Conversions

## Conversions Part 2

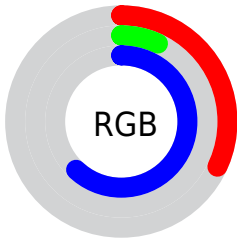
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 17, 159
Decimal	5312927
CIE <sub>Lab</sub>	25.72, 55.03, -62.65
CIE <sub>LCh</sub>	26, 83.384, 311.294
Yxy	4.6534, 0.2066, 0.0976
Android (android.graphics.Color)	4283503007 (0xFF51119F)
<b>YUV</b>	52.3240, 52.5913, 25.1489
Hunter-Lab	21.5718, 43.7699, -76.0943

# Details

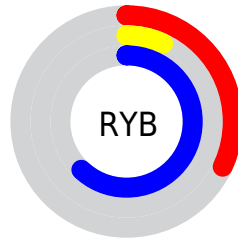
The YUV color **52.3240, 52.5913, 25.1489** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **123.6760, -52.5913, -25.1489**, and the grayscale version is **52.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.6230, 52.4439, 25.7636**, and **15.0740, 44.8265, -4.4499** is the 20% darker color. If you saturate the color by 10%, you get **40.2410, 58.5482, 27.8526**, and if you desaturate by 10%, it is **64.4070, 46.6343, 22.4451**.

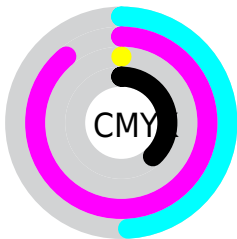
# Distribution



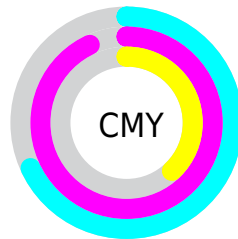
- Red (32%)
- Green (7%)
- Blue (62%)



- Red (32%)
- Yellow (7%)
- Blue (62%)



- Cyan (49%)
- Magenta (89%)
- Yellow (0%)
- Black (38%)



- Cyan (68%)
- Magenta (93%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 52.3240, 52.5913, 25.1489 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 52.3240, 52.5913, 25.1489 by changing the saturation by 10% instead.



■ 52.3240, 52.5913,  
25.1489

■ 52.3240, 52.5913,  
25.1489

■ 255.0000, 0.0000,  
0.0000

■ 30.2970, 50.1396,  
18.1565

■ 108.6230, 52.4439,  
25.7636

■ 15.0740, 44.8265,  
-4.4499

■ 135.8620, 53.3120,  
27.3080

■ 9.2340, 35.3806,  
-8.0982

■ 161.0490, 46.3178,  
30.6520

■ 9.4330, 23.4505,  
-8.2727

■ 185.8680, 34.0821,  
35.1958

■ 5.0500, 14.2723,  
-4.4289

■ 210.9750, 21.7043,  
38.6099


■ 1.0260, 3.9312,  
-0.8998


■ 227.4110, 13.6014,


■ 0.0000, 0.0000,


24.1956


0.0000


 244.4340, 5.2090,  
9.2664


 52.3240, 52.5913,  
25.1489


 52.3240, 52.5913,  
25.1489


 40.2410, 58.5482,  
27.8526


 64.4070, 46.6343,  
22.4451

 39.6540, 58.8376,  
28.3674

 76.1910, 40.8248,  
19.1265

 88.2740, 34.8679,  
16.4227

 100.3570, 28.9110,  
13.7189

 112.4400, 22.9541,  
11.0151

■ 123.6370, 17.4340,  
8.2114

■ 135.7200, 11.4770,  
5.5076

■ 147.8030, 5.5201,  
2.8038

■ 159.8860, -0.4368,  
0.1000

# Harmonies

## Analogous

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



59.8150, 64.1812, -52.4578



52.3240, 52.5913, 25.1489



55.6950, 23.3214, 80.0745

# Triad

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



52.3240, 52.5913, 25.1489



56.0600, -27.6376, 44.6744



57.8240, 13.3978, -50.7116

# Complementary

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



52.3240, 52.5913, 25.1489



123.6760, -52.5913, -25.1489

# 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.



48.5560, -17.0361, -42.5836



52.3240, 52.5913, 25.1489



54.5890, -26.9124, -1.3936

# Square

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



52.3240, 52.5913, 25.1489



43.0560, -21.2266, 88.5279



44.6120, -21.9937, -39.1247



65.3650, 39.7531, -57.3251



# Rectangle

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



52.3240, 52.5913, 25.1489



55.2070, 3.3489, 92.7805



44.6120, -21.9937, -39.1247



54.6150, 3.6408, -47.8974

# Sweetspot

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



52.3240, 52.5913, 25.1489



164.8590, 20.7755, 9.7707



78.9740, 39.4528, -54.3512



79.3610, 12.6400, 5.8224



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



52.3240, 52.5913, 25.1489



51.4050, 76.7083, 36.4788



73.5530, 42.1254, 68.7980



73.1080, 2.9048, 1.6593



35.4380, 53.0281, 25.0489



3.8030, 5.5201, 2.8038



# Inverse Universe

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



68.3500, 13.1385, 79.5001



74.7750, 18.8449, 115.9613



102.4470, -42.1254, -68.7980



73.8480, 0.5679, 4.5183



51.6490, 12.9910, 80.1148

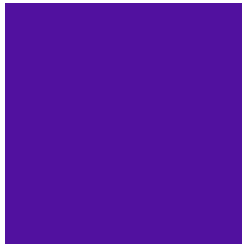


5.3970, 1.2833, 8.4218



# Previews

## White Background



This preview shows how the YUV color 52.3240, 52.5913, 25.1489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

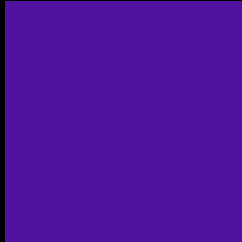
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 52.3240, 52.5913, 25.1489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

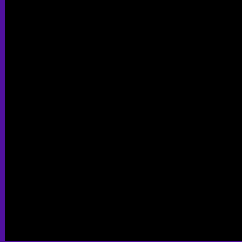
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 52.3240, 52.5913, 25.1489

## Background



This preview shows how black text looks on a background with the YUV color 52.3240, 52.5913, 25.1489.



This preview shows how white text looks on a background with the YUV color 52.3240, 52.5913,



# 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

52.3240, 52.5913, 25.1489

### Protanopia

49.6980, 38.1099, -43.5851

### Deuteranopia

49.8800, 28.6532, -43.7448



**Tritanopia**

61.4770, 3.2158, -4.8033

# Trichromacy



## Original Color

52.3240, 52.5913, 25.1489

## Protanomaly

50.3450, 43.7069, -18.7196

## Deuteranomaly

50.7380, 37.5972, -19.0642

## Tritanomaly

57.9510, 21.2232, 6.1820

# Monochromacy



## Original Color

52.3240, 52.5913, 25.1489

## Achromatopsia

52.0000, 0.0000, 0.0000

## Achromatomaly

52.1040, 19.1757, 9.5558

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 52.3240, 52.5913, 25.1489 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(81, 17, 159)` looks like.

```
.text, #text, p{  
    color:rgb(81, 17, 159)  
}
```

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(81, 17, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 17, 159) }
```

## Border

The CSS property to change the border of an element to YUV 52.3240, 52.5913, 25.1489 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(81, 17, 159) }
```



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

```
.border{ border-color:rgb(81, 17, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 17, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 17, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 17, 159);  
box-shadow:4px 4px 4px 4px rgb(81, 17,  
159) }
```

# Background

The CSS property to change the background color of an element to YUV 52.3240, 52.5913, 25.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 17, 159) }
```

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

```
.background{ background-color: rgb(81, 17,  
159) }
```

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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