

# Converting Colors

YUV(51.8590, 20.7755, 9.7707)

Have a look what the booklet for  
YUV(51.8590, 20.7755, 9.7707)  
contains.

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# Color

**YUV(51.8590, 20.7755,  
9.7707)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3F265E
RGB	63, 38, 94
RGB Percent	25%, 15%, 37%
CMY	0.7529, 0.8510, 0.6314
CMYK	0.33, 0.60, 0.00, 0.63
HSL	267°, 42%, 26%
HSV	267°, 60%, 37%
XYZ	4.7634, 3.2511, 10.9661
YIQ	51.8590, -3.0760, 22.7160

# Conversions

## Conversions Part 2

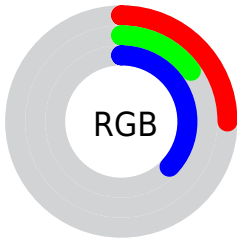
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	63, 38, 94
Decimal	4138590
CIE Lab	21.02, 24.76, -29.22
CIE LCh	21, 38.302, 310.280
Yxy	3.2511, 0.2510, 0.1713
Android (android.graphics.Color)	4282328670 (0xFF3F265E)
YUV	51.8590, 20.7755, 9.7707
Hunter-Lab	18.0309, 15.6019, -23.4377

# Details

The YUV color **51.8590, 20.7755, 9.7707** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **80.1410, -20.7755, -9.7707**, and the grayscale version is **52.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **99.6250, 22.3699, 11.7299**, and **11.7510, 17.8708, 8.1114** is the 20% darker color. If you saturate the color by 10%, you get **45.0810, 24.1171, 11.3300**, and if you desaturate by 10%, it is **58.6370, 17.4340, 8.2114**.

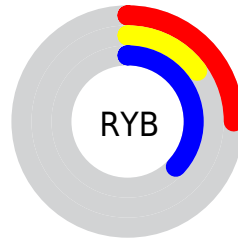
# Distribution



Red (25%)

Green (15%)

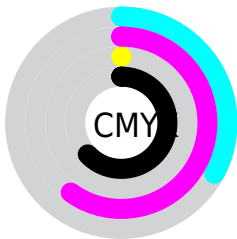
Blue (37%)



Red (25%)

Yellow (15%)

Blue (37%)

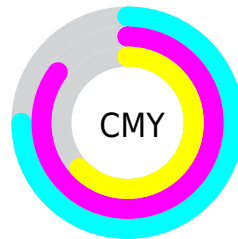


Cyan (33%)

Magenta (60%)

Yellow (0%)

Black (63%)



Cyan (75%)

Magenta (85%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 51.8590, 20.7755, 9.7707 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 51.8590, 20.7755, 9.7707 by changing the saturation by 10% instead.



■ 51.8590, 20.7755,  
9.7707

■ 51.8590, 20.7755,  
9.7707

■ 255.0000, 0.0000,  
0.0000

■ 29.6200, 19.9073,  
8.2263

■ 99.6250, 22.3699,  
11.7299

■ 11.7510, 17.8708,  
8.1114

■ 125.1520, 23.0961,  
12.1447

■ 3.5510, 11.0674,  
-3.1142

■ 150.9780, 23.6748,  
13.1743

■ 0.0000, 0.0000,  
0.0000

■ 177.5050, 24.4010,  
13.5891

■ 205.8040, 24.2536,  
14.2039

■ 230.0250, 12.3127,

17.5181

248.5430, 3.1833,  
5.6628

51.8590, 20.7755,  
9.7707

51.8590, 20.7755,  
9.7707

45.0810, 24.1171,  
11.3300

58.6370, 17.4340,  
8.2114

37.7160, 27.7480,  
13.4041

66.0020, 13.8030,  
6.1372

30.6390, 31.2370,  
14.3486

73.0790, 10.3141,  
5.1927

23.2740, 34.8679,  
16.4227

80.4440, 6.6831,  
3.1186

87.2220, 3.3416,  
1.5593

■ 94.0000, 0.0000,  
0.0000

■ 101.3650, -3.6309,  
-2.0741

■ 108.4420, -7.1199,  
-3.0186

■ 115.8070,  
-10.7509, -5.0927

# Harmonies

## Analogous

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



42.1350, 31.9784, -36.9524



51.8590, 20.7755, 9.7707



48.6900, 10.5058, 37.1059

# Triad

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



51.8590, 20.7755, 9.7707



47.9760, -23.6522, 26.3310



43.8210, 7.9762, -38.4310

# Complementary

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



51.8590, 20.7755, 9.7707



80.1410, -20.7755, -9.7707

# 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.



39.8140, -4.8383, -34.9169



51.8590, 20.7755, 9.7707



46.9690, -23.1557, 7.0432

# Square

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



51.8590, 20.7755, 9.7707



46.2520, -15.4072, 41.8750



41.2110, -20.3170, -16.8480



46.3120, 20.0592, -40.6156



# Rectangle

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



51.8590, 20.7755, 9.7707



44.9210, 3.4899, 47.4273



41.2110, -20.3170, -16.8480



42.6810, 3.6083, -37.4312

# Sweetspot

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



51.8590, 20.7755, 9.7707



105.4980, 8.1355, 3.9483



63.1680, 15.2002, -22.0723



51.2760, 4.7939, 2.3889



189.0000, 0.0000, 0.0000



61.0000, 0.0000, 0.0000



# Same Dimension

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



51.8590, 20.7755, 9.7707



56.5790, 32.2526, 15.2782



59.9320, 16.7955, 26.3696



42.1680, 1.8892, 0.7297



27.1910, 40.8248, 19.1265



58.7120, 87.8960, 41.4716



# Inverse Universe

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



58.2780, 5.2859, 31.3282



66.5990, 8.5787, 48.5867



72.0680, -16.7955, -26.3696



42.8370, 0.5734, 2.7740



39.8440, 10.4299, 61.5268



85.7970, 22.2851, 132.6050



# Previews

## White Background



This preview shows how the YUV color 51.8590, 20.7755, 9.7707 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 51.8590, 20.7755, 9.7707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

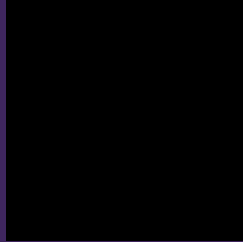
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 51.8590, 20.7755, 9.7707

## Background



This preview shows how black text looks on a background with the YUV color 51.8590, 20.7755, 9.7707.



This preview shows how white text looks on a background with the YUV color 51.8590, 20.7755,



# 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

51.8590, 20.7755, 9.7707

### Protanopia

40.7330, 31.6836, -35.7228

### Deuteranopia

44.4860, 22.9314, -28.4902



## Tritanopia

51.2500, 0.8628, 3.2887

# Trichromacy



## Original Color

51.8590, 20.7755, 9.7707

## Protanomaly

44.8060, 27.7036, -19.1239

## Deuteranomaly

47.3460, 22.0144, -14.3354

## Tritanomaly

51.5090, 8.1301, 5.6926

# Monochromacy



## Original Color

51.8590, 20.7755, 9.7707

## Achromatopsia

52.0000, 0.0000, 0.0000

## Achromatomaly

51.9710, 7.4093, 3.5334

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 51.8590, 20.7755, 9.7707 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(63, 38, 94)` looks like.

```
.text, #text, p{  
    color:rgb(63, 38, 94)  
}
```

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(63, 38, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 38, 94) }
```

## Border

The CSS property to change the border of an element to YUV 51.8590, 20.7755, 9.7707 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(63, 38, 94) }
```



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

```
.border{ border-color:rgb(63, 38, 94) }
```

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

Here you see how a box with a 4 pixel rgb(63, 38, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 38, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 38, 94);  
box-shadow:4px 4px 4px 4px rgb(63, 38, 94)  
}
```

# Background

The CSS property to change the background color of an element to YUV 51.8590, 20.7755, 9.7707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 38, 94) }
```

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

```
.background{ background-color: rgb(63, 38,  
94) }
```

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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