

# Converting Colors

YUV(51.0710, 46.3070, 34.1407)

Have a look what the booklet for  
YUV(51.0710, 46.3070, 34.1407)  
contains.

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# Color

**YUV(51.0710, 46.3070,  
34.1407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A0D91
RGB	90, 13, 145
RGB Percent	35%, 5%, 57%
CMY	0.6471, 0.9490, 0.4314
CMYK	0.38, 0.91, 0.00, 0.43
HSL	275°, 84%, 31%
HSV	275°, 91%, 57%
XYZ	9.4712, 4.5058, 27.1586
YIQ	51.0710, 3.5200, 57.3760

# Conversions

## Conversions Part 2

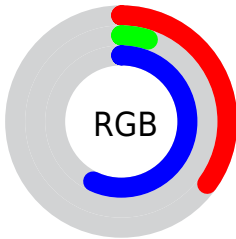
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 13, 145
Decimal	5901713
CIE <sub>Lab</sub>	25.28, 53.88, -54.73
CIE <sub>LCh</sub>	25, 76.803, 314.556
Yxy	4.5058, 0.2302, 0.1095
Android (android.graphics.Color)	4284091793 (0xFF5A0D91)
YUV	51.0710, 46.3070, 34.1407
Hunter-Lab	21.2270, 42.4973, -60.9990

# Details

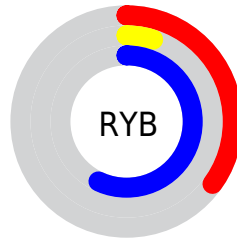
The YUV color **51.0710, 46.3070, 34.1407** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **106.9290, -46.3070, -34.1407**, and the grayscale version is **51.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.1310, 45.2914, 33.2111**, and **20.4690, 35.7578, 10.9897** is the 20% darker color. If you saturate the color by 10%, you get **41.9450, 50.8061, 37.7592**, and if you desaturate by 10%, it is **61.6700, 41.0817, 30.1074**.

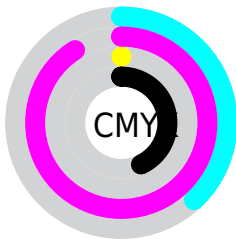
# Distribution



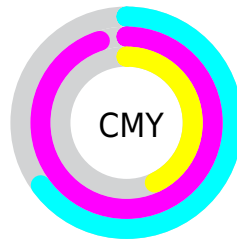
- Red (35%)
- Green (5%)
- Blue (57%)



- Red (35%)
- Yellow (5%)
- Blue (57%)



- Cyan (38%)
- Magenta (91%)
- Yellow (0%)
- Black (43%)



- Cyan (65%)
- Magenta (95%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 51.0710, 46.3070, 34.1407 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 51.0710, 46.3070, 34.1407 by changing the saturation by 10% instead.



■ 51.0710, 46.3070,  
34.1407

■ 51.0710, 46.3070,  
34.1407

■ 255.0000, 0.0000,  
0.0000

■ 32.1040, 42.8397,  
26.2188

■ 108.1310, 45.2914,  
33.2111

■ 20.4690, 35.7578,  
10.9897

■ 134.9570, 45.8702,  
34.2407

■ 7.8660, 30.1391,  
-6.8985

■ 162.5550, 45.5754,  
35.4703

■ 6.8910, 18.7877,  
-6.0434

■ 187.0750, 33.4870,  
39.3992

■ 3.3230, 10.1938,  
-2.9143


■ 209.8010, 22.2831,  
39.6395


■ 0.0000, 0.0000,  
0.0000


■ 226.8240, 13.8908,


24.7104


 243.8470, 5.4984,  
9.7812


 51.0710, 46.3070,  
34.1407


 51.0710, 46.3070,  
34.1407


 41.9450, 50.8061,  
37.7592

 61.6700, 41.0817,  
30.1074

 71.6820, 36.1458,  
26.5889

 82.2810, 30.9205,  
22.5556

 92.2930, 25.9846,  
19.0370

 102.8920, 20.7592,  
15.0037

■ 112.9040, 15.8233,  
11.4852

■ 123.5030, 10.5980,  
7.4519

■ 133.5150, 5.6621,  
3.9333

■ 144.1140, 0.4368,  
-0.1000

# Harmonies

## Analogous

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



55.3980, 59.9498, -48.5840



51.0710, 46.3070, 34.1407



53.2450, 19.1062, 78.7151

# Triad

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



51.0710, 46.3070, 34.1407



56.3040, -27.7579, 36.5674



56.9920, 15.2869, -49.9820

# Complementary

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



51.0710, 46.3070, 34.1407



106.9290, -46.3070, -34.1407

# 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.



48.7500, -11.2157, -42.7537



51.0710, 46.3070, 34.1407



53.0940, -26.1753, -4.4674

# Square

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



51.0710, 46.3070, 34.1407



40.3650, -19.8999, 82.9949



44.0250, -21.7043, -38.6099



63.8490, 39.0214, -55.9956



# Rectangle

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



51.0710, 46.3070, 34.1407



51.9030, 1.0338, 88.6621



44.0250, -21.7043, -38.6099



54.7120, 6.5510, -47.9824

# Sweetspot

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



51.0710, 46.3070, 34.1407



152.4850, 18.0019, 12.7297



60.3330, 41.7408, -41.5110



72.8020, 10.4506, 8.0666



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



51.0710, 46.3070, 34.1407



54.4360, 66.3401, 48.7296



66.2620, 33.3948, 69.0532



65.9940, 2.4680, 1.7593



39.0110, 47.3226, 35.0704



2.1080, 2.9048, 1.6593



# Inverse Universe

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



58.7380, 4.5662, 75.6518



65.5170, 6.6471, 108.2946



91.7380, -33.3948, -69.0532



66.4350, 0.2785, 4.0035



46.7490, 4.5607, 77.3961

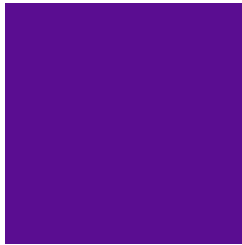


2.7340, 0.1311, 4.6183



# Previews

## White Background



This preview shows how the YUV color 51.0710, 46.3070, 34.1407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

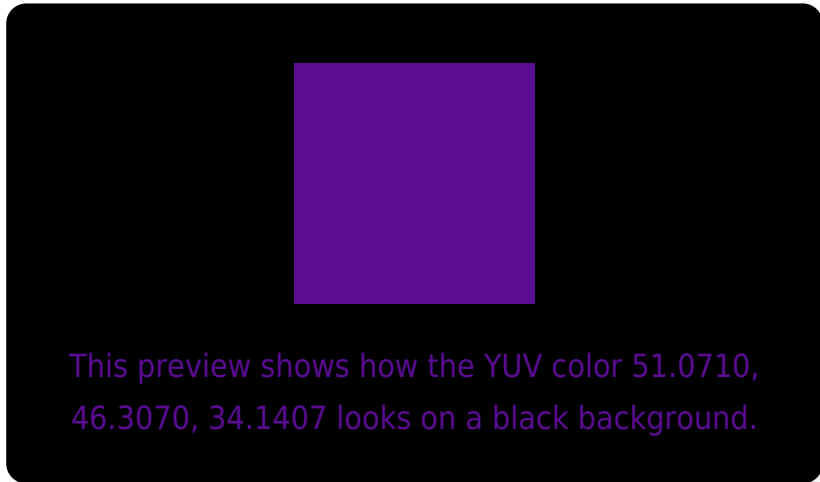
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

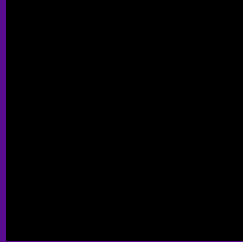
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 51.0710, 46.3070, 34.1407

## Background



This preview shows how black text looks on a background with the YUV color 51.0710, 46.3070, 34.1407.



This preview shows how white text looks on a background with the YUV color 51.0710, 46.3070,



# 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

51.0710, 46.3070, 34.1407

### Protanopia

49.5840, 37.6731, -43.4852

### Deuteranopia

49.8800, 28.6532, -43.7448



## Tritanopia

62.3540, -0.1745, 9.3365

# Trichromacy



## Original Color

51.0710, 46.3070, 34.1407

## Protanomaly

50.2700, 40.7859, -15.1458

## Deuteranomaly

50.0760, 34.9655, -14.9757

## Tritanomaly

58.1760, 16.6752, 18.2626

# Monochromacy



## Original Color

51.0710, 46.3070, 34.1407

## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

50.8440, 16.8389, 12.4148

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 51.0710, 46.3070, 34.1407 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(90, 13, 145)` looks like.

```
.text, #text, p{  
    color:rgb(90, 13, 145)  
}
```

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(90, 13, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 13, 145) }
```

## Border

The CSS property to change the border of an element to YUV 51.0710, 46.3070, 34.1407 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(90, 13, 145) }
```



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

```
.border{ border-color:rgb(90, 13, 145) }
```

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

Here you see how a box with a 4 pixel rgb(90, 13, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 13, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 13, 145);  
box-shadow:4px 4px 4px 4px rgb(90, 13,  
145) }
```

# Background

The CSS property to change the background color of an element to YUV 51.0710, 46.3070, 34.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 13, 145) }
```

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

```
.background{ background-color: rgb(90, 13,  
145) }
```

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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