

# Converting Colors

YUV(49.7180, 4.5760, 25.6803)

Have a look what the booklet for  
YUV(49.7180, 4.5760, 25.6803)  
contains.

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# Color

**YUV(49.7180, 4.5760,  
25.6803)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F213B
RGB	79, 33, 59
RGB Percent	31%, 13%, 23%
CMY	0.6902, 0.8706, 0.7686
CMYK	0.00, 0.58, 0.25, 0.69
HSL	326°, 41%, 22%
HSV	326°, 58%, 31%
XYZ	4.5577, 3.0657, 4.4892
YIQ	49.7180, 19.0700, 17.8380

# Conversions

## Conversions Part 2

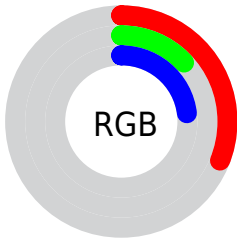
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 33, 59
Decimal	5185851
CIE Lab	20.31, 25.16, -6.50
CIE LCh	20, 25.989, 345.522
Yxy	3.0657, 0.3763, 0.2531
Android (android.graphics.Color)	4283375931 (0xFF4F213B)
YUV	49.7180, 4.5760, 25.6803
Hunter-Lab	17.5093, 15.8230, -2.9449

# Details

The YUV color **49.7180, 4.5760, 25.6803** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **62.2820, -4.5760, -25.6803**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.9140, 3.9864, 28.1394**, and **12.7020, 2.1189, 20.4323** is the 20% darker color. If you saturate the color by 10%, you get **44.6800, 5.5808, 30.0986**, and if you desaturate by 10%, it is **54.7560, 3.5713, 21.2620**.

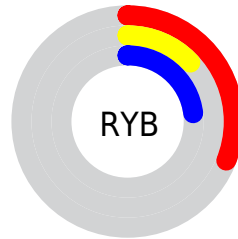
# Distribution



Red (31%)

Green (13%)

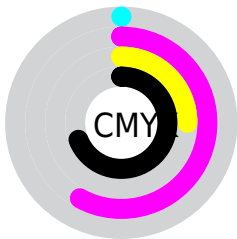
Blue (23%)



Red (31%)

Yellow (13%)

Blue (23%)

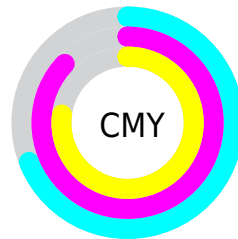


Cyan (0%)

Magenta (58%)

Yellow (25%)

Black (69%)



Cyan (69%)

Magenta (87%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 49.7180, 4.5760, 25.6803 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 49.7180, 4.5760, 25.6803 by changing the saturation by 10% instead.



■ 49.7180, 4.5760,  
25.6803

■ 49.7180, 4.5760,  
25.6803

■ 255.0000, 0.0000,  
0.0000

■ 26.5330, 5.1602,  
24.9656

■ 97.9140, 3.9864,  
28.1394

■ 12.7020, 2.1189,  
20.4323

■ 122.6260, 4.1284,  
29.2690

■ 0.0000, 0.0000,  
0.0000

■ 149.2240, 3.8336,  
30.4986

■ 175.9360, 3.9756,  
31.6281

■ 203.3490, 4.2649,  
32.1429

■ 227.4620, 6.1812,

24.1508

245.6080, 4.6303,  
8.2368

49.7180, 4.5760,  
25.6803

49.7180, 4.5760,  
25.6803

44.6800, 5.5808,  
30.0986

54.7560, 3.5713,  
21.2620

39.5280, 6.1487,  
34.6169

59.9080, 3.0034,  
16.7437

34.4900, 7.1534,  
39.0353

64.9460, 1.9986,  
12.3254

29.3380, 7.7214,  
43.5536

70.0980, 1.4307,  
7.8071

28.7510, 8.0108,  
44.0684

75.1360, 0.4260,  
3.3887

■ 79.7010, 0.1474,  
-0.6148

■ 84.7390, -0.8573,  
-5.0331

■ 89.7770, -1.8621,  
-9.4514

■ 94.9290, -2.4300,  
-13.9697

# Harmonies

## Analogous

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



50.9810, 12.3344, 10.5407



49.7180, 4.5760, 25.6803



48.4600, -4.1708, 31.1686

# Triad

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



49.7180, 4.5760, 25.6803



45.7990, -18.6349, 3.6843



42.1230, 16.7014, -36.9419

# Complementary

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



49.7180, 4.5760, 25.6803



62.2820, -4.5760, -25.6803

# 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.



40.7720, 8.9864, -35.7570



49.7180, 4.5760, 25.6803



43.0510, -10.8711, -13.1997

# Square

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



49.7180, 4.5760, 25.6803



47.4740, -18.9677, 17.1243



38.4920, 0.2504, -33.7575



41.5020, 21.9375, -36.3973



# Rectangle

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



49.7180, 4.5760, 25.6803



48.2550, -9.9857, 29.5944



38.4920, 0.2504, -33.7575



42.1400, 14.2280, -36.9568

# Sweetspot

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



49.7180, 4.5760, 25.6803



91.1090, 1.4253, 9.5514



44.2240, 17.1446, 7.6966



44.6740, 1.1467, 5.5479



179.0000, 0.0000, 0.0000



51.0000, 0.0000, 0.0000



# Same Dimension

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



49.7180, 4.5760, 25.6803



56.7890, 7.0060, 39.6500



47.0960, -5.4703, 27.9798



35.5380, 0.7208, 2.1592



37.1100, 10.2988, 56.9085



83.5900, 22.8801, 128.4016



# Inverse Universe

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



49.7180, 4.5760, 25.6803



56.7890, 7.0060, 39.6500



64.9040, 5.4703, -27.9798



35.5380, 0.7208, 2.1592



37.1100, 10.2988, 56.9085

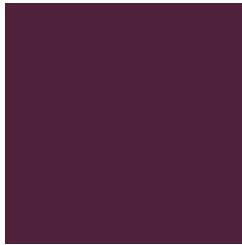


83.5900, 22.8801, 128.4016



# Previews

## White Background



This preview shows how the YUV color 49.7180, 4.5760, 25.6803 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

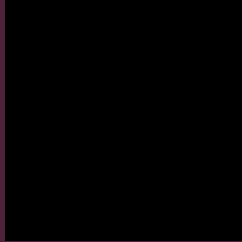
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 49.7180, 4.5760, 25.6803**

## **Background**



This preview shows how black text looks on a background with the YUV color 49.7180, 4.5760, 25.6803.



This preview shows how white text looks on a background with the YUV color 49.7180, 4.5760,



# 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

49.7180, 4.5760, 25.6803

### Protanopia

49.6000, 10.0572, -5.7882

### Deuteranopia

50.8090, 3.0522, 1.0445



## Tritanopia

49.3020, -4.5859, 24.2911

# Trichromacy



## Original Color

49.7180, 4.5760, 25.6803

## Protanomaly

49.5090, 8.1301, 5.6926

## Deuteranomaly

50.3910, 3.7512, 10.1811

## Tritanomaly

49.8120, -1.3863, 24.7209

# Monochromacy



## Original Color

49.7180, 4.5760, 25.6803

## Achromatopsia

50.0000, 0.0000, 0.0000

## Achromatomaly

50.1090, 1.4253, 9.5514

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 49.7180, 4.5760, 25.6803 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(79, 33, 59)` looks like.

```
.text, #text, p{  
    color:rgb(79, 33, 59)  
}
```

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(79, 33, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 33, 59) }
```

## Border

The CSS property to change the border of an element to YUV 49.7180, 4.5760, 25.6803 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(79, 33, 59) }
```



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

```
.border{ border-color:rgb(79, 33, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 33, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 33, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 33, 59);  
box-shadow:4px 4px 4px 4px rgb(79, 33, 59)  
}
```

# Background

The CSS property to change the background color of an element to YUV 49.7180, 4.5760, 25.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 33, 59) }
```

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

```
.background{ background-color: rgb(79, 33,  
59) }
```

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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