

# Converting Colors

YUV(59.4520, -8.6038, 53.1006)

Have a look what the booklet for  
YUV(59.4520, -8.6038, 53.1006)  
contains.

<b>YUV(59.4520, -8.6038, 53.1006)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(59.4520, -8.6038,  
53.1006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78202A
RGB	120, 32, 42
RGB Percent	47%, 13%, 16%
CMY	0.5294, 0.8745, 0.8353
CMYK	0.00, 0.73, 0.65, 0.53
HSL	353°, 58%, 30%
HSV	353°, 73%, 47%
XYZ	8.6802, 5.1933, 2.7354
YIQ	59.4520, 49.2380, 21.7660

# Conversions

## Conversions Part 2

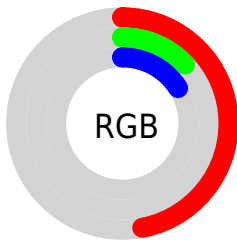
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 32, 42
Decimal	7872554
CIE <sub>Lab</sub>	27.28, 38.62, 16.04
CIE <sub>LCh</sub>	27, 41.819, 22.558
Yxy	5.1933, 0.5226, 0.3127
Android (android.graphics.Color)	4286062634 (0xFF78202A)
YUV	59.4520, -8.6038, 53.1006
Hunter-Lab	22.7887, 28.1099, 8.8354

# Details

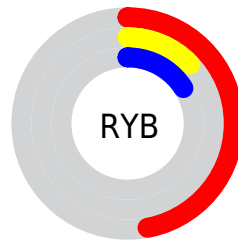
The YUV color **59.4520, -8.6038, 53.1006** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **92.5480, 8.6038, -53.1006**, and the grayscale version is **59.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **111.5620, -12.1091, 57.3891**, and **19.7340, -9.7289, 40.5753** is the 20% darker color. If you saturate the color by 10%, you get **51.1540, -9.9359, 60.3779**, and if you desaturate by 10%, it is **67.7500, -7.2717, 45.8233**.

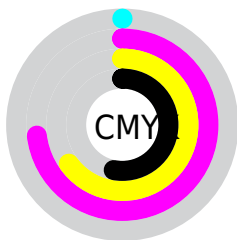
# Distribution



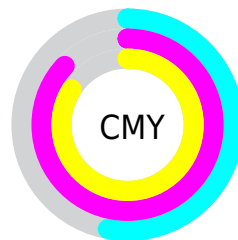
- Red (47%)
- Green (13%)
- Blue (16%)



- Red (47%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (65%)
- Black (53%)



- Cyan (53%)
- Magenta (87%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 59.4520, -8.6038, 53.1006 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 59.4520, -8.6038, 53.1006 by changing the saturation by 10% instead.



■ 59.4520, -8.6038,  
53.1006

■ 59.4520, -8.6038,  
53.1006

255.0000, 0.0000,  
0.0000

■ 30.6030, -4.2413,  
53.8452

■ 111.5620,  
-12.1091, 57.3891

■ 19.7340, -9.7289,  
40.5753

■ 138.2310,  
-13.4249, 59.4334

■ 12.0740, -5.4595,  
24.4911

■ 165.4270,  
-14.0145, 61.8925

■ 0.0000, 0.0000,  
0.0000

■ 189.9210,  
-13.2721, 57.0743

■ 209.4350, -9.5815,  
39.9605

■ 229.0630, -5.4541,

22.7467

249.2780, -1.6161,  
5.0182

59.4520, -8.6038,  
53.1006

59.4520, -8.6038,  
53.1006

51.1540, -9.9359,  
60.3779

67.7500, -7.2717,  
45.8233

42.9700, -10.8312,  
67.5553

75.9340, -6.3765,  
38.6459

37.4760, -11.5737,  
72.3735

84.2320, -5.0444,  
31.3685

92.5300, -3.7123,  
24.0912

100.7140, -2.8170,  
16.9138

■ 109.0120, -1.4849,  
9.6365

■ 117.1960, -0.5896,  
2.4591

■ 125.4940, 0.7425,  
-4.8182

■ 133.7920, 2.0745,  
-12.0956

# Harmonies

## Analogous

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



61.0290, 6.3947, 49.0866



59.4520, -8.6038, 53.1006



60.6620, -23.9904, 41.5154

# Triad

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



59.4520, -8.6038, 53.1006



48.0170, -12.8264, -39.4799



56.2690, 35.3634, -49.3479

# Complementary

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



59.4520, -8.6038, 53.1006



92.5480, 8.6038, -53.1006

# 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.



58.3090, 27.9487, -51.1370



59.4520, -8.6038, 53.1006



52.0560, 1.4514, -45.6531

# Square

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



59.4520, -8.6038, 53.1006



57.8340, -28.5122, -1.6084



56.4050, 15.5763, -49.4672



62.2240, 30.4556, -15.1054



# Rectangle

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



59.4520, -8.6038, 53.1006



60.9780, -30.0622, 28.9603



56.4050, 15.5763, -49.4672



57.2150, 33.9110, -50.1776

# Sweetspot

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



59.4520, -8.6038, 53.1006



131.9210, -3.4121, 21.1173



65.3540, 26.9405, 39.1545



64.6210, -1.7852, 12.6104



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



59.4520, -8.6038, 53.1006



61.6730, -13.6428, 82.7248



78.2700, -22.8111, 36.5972



56.9080, -0.4476, 3.5887



38.9710, -12.3107, 75.4474



78.6540, -24.4794, 152.0244



# Inverse Universe

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



59.4520, -8.6038, 53.1006



61.6730, -13.6428, 82.7248



73.7300, 22.8111, -36.5972



56.9080, -0.4476, 3.5887



38.9710, -12.3107, 75.4474



78.6540, -24.4794, 152.0244



# Previews

## White Background



This preview shows how the YUV color 59.4520, -8.6038, 53.1006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

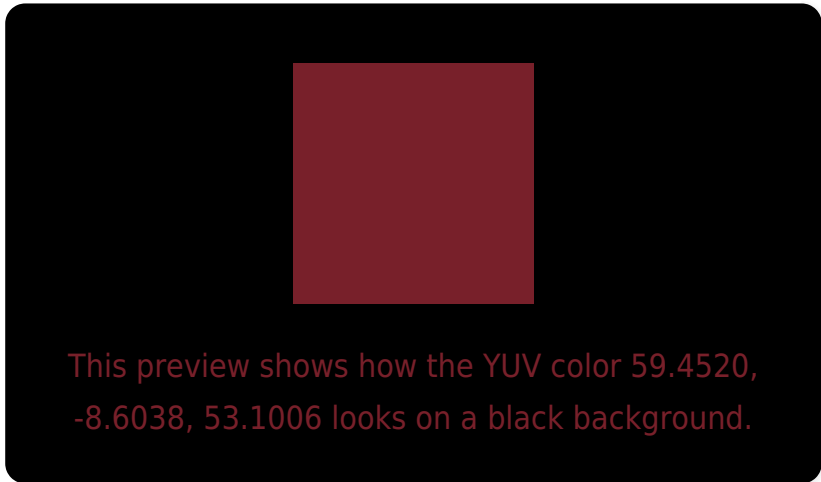
Any Text WCAG AA ✓ Pass

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

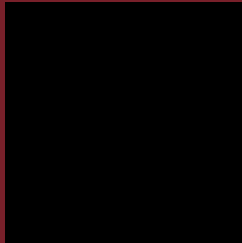
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 59.4520, -8.6038, 53.1006**

## **Background**



This preview shows how black text looks on a background with the YUV color 59.4520, -8.6038, 53.1006.



This preview shows how white text looks on a background with the YUV color 59.4520, -8.6038,



# 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

59.4520, -8.6038, 53.1006

### Protanopia

65.7570, -4.8102, 2.8441

### Deuteranopia

65.1190, -13.8627, 13.0506



## Tritanopia

59.2410, -11.9508, 53.2856

# Trichromacy



## Original Color

59.4520, -8.6038, 53.1006

## Protanomaly

63.8240, -6.3222, 21.2024

## Deuteranomaly

63.3750, -12.0169, 27.7351

## Tritanomaly

59.5830, -10.6404, 52.9857

# Monochromacy



## Original Color

59.4520, -8.6038, 53.1006

## Achromatopsia

59.0000, 0.0000, 0.0000

## Achromatomaly

59.0240, -2.9698, 19.2730

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 59.4520, -8.6038, 53.1006 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(120, 32, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 32, 42)  
}
```

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(120, 32, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 32, 42) }
```

## Border

The CSS property to change the border of an element to YUV 59.4520, -8.6038, 53.1006 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(120, 32, 42) }
```



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

```
.border{ border-color:rgb(120, 32, 42) }
```

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

Here you see how a box with a 4 pixel rgb(120, 32, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 32, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 32, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 32,  
42) }
```

# Background

The CSS property to change the background color of an element to YUV 59.4520, -8.6038, 53.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 32, 42) }
```

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

```
.background{ background-color: rgb(120, 32,  
42) }
```

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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