

# Converting Colors

YUV(90.8520, 18.3140, 52.7498)

Have a look what the booklet for  
YUV(90.8520, 18.3140, 52.7498)  
contains.

<b>YUV(90.8520, 18.3140, 52.7498)</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(90.8520, 18.3140,  
52.7498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	973580
RGB	151, 53, 128
RGB Percent	59%, 21%, 50%
CMY	0.4078, 0.7922, 0.4980
CMYK	0.00, 0.65, 0.15, 0.41
HSL	314°, 48%, 40%
HSV	314°, 65%, 59%
XYZ	17.9319, 10.6840, 21.5392
YIQ	90.8520, 34.3330, 44.1010

# Conversions

## Conversions Part 2

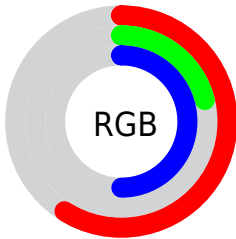
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 53, 128
Decimal	9909632
CIE <sub>Lab</sub>	39.04, 49.51, -21.63
CIE <sub>LCh</sub>	39, 54.034, 336.400
Yxy	10.6840, 0.3575, 0.2130
Android (android.graphics.Color)	4288099712 (0xFF973580)
YUV	90.8520, 18.3140, 52.7498
Hunter-Lab	32.6864, 40.7244, -16.1895

# Details

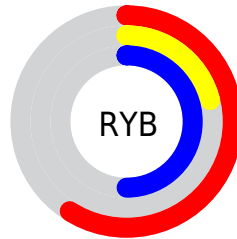
The YUV color **90.8520, 18.3140, 52.7498** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **113.1480, -18.3140, -52.7498**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.0480, 17.7243, 55.2089**, and **38.0090, 20.2086, 51.7351** is the 20% darker color. If you saturate the color by 10%, you get **81.5910, 20.9076, 60.8717**, and if you desaturate by 10%, it is **100.1130, 15.7203, 44.6279**.

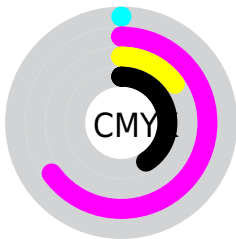
# Distribution



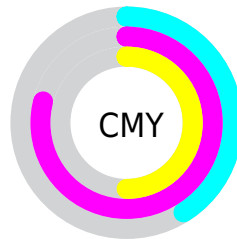
- Red (59%)
- Green (21%)
- Blue (50%)



- Red (59%)
- Yellow (21%)
- Blue (50%)



- Cyan (0%)
- Magenta (65%)
- Yellow (15%)
- Black (41%)




- Cyan (41%)
- Magenta (79%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.8520, 18.3140, 52.7498 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 90.8520, 18.3140, 52.7498 by changing the saturation by 10% instead.





 90.8520, 18.3140,  
52.7498


 90.8520, 18.3140,  
52.7498


255.0000, 0.0000,  
0.0000

 62.3190, 20.0557,  
54.0942

 145.0480, 17.7243,  
55.2089


 38.0090, 20.2086,  
51.7351

 172.7600, 17.8663,  
56.3385


 27.4990, 13.5580,  
38.1504

 197.7700, 19.3404,  
50.1907

 18.2280, 7.7756,  
26.1100

 216.2580, 19.0998,  
33.9767

 1.6950, 2.6154,  
1.1445

 232.6940, 10.9969,  
19.5624

 0.0000, 0.0000,  
0.0000

 249.7170, 2.6045,

4.6332

■ 90.8520, 18.3140,  
52.7498

■ 90.8520, 18.3140,  
52.7498

■ 81.5910, 20.9076,  
60.8717

■ 100.1130, 15.7203,  
44.6279

■ 72.4440, 23.9381,  
68.8936

■ 109.2600, 12.6898,  
36.6060

■ 63.1830, 26.5318,  
77.0155

■ 118.5210, 10.0961,  
28.4841

■ 58.3730, 28.4101,  
81.2339

■ 127.6680, 7.0657,  
20.4622

■ 137.5160, 4.1826,  
11.8255

■ 146.6630, 1.1521,  
3.8035

■ 155.9240, -1.4415,  
-4.3183

■ 165.0710, -4.4720,  
-12.3403

■ 174.3320, -7.0657,  
-20.4622

# Harmonies

## Analogous

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



94.2900, 33.8740, 8.5157



90.8520, 18.3140, 52.7498



84.7610, -0.3752, 73.8776

# Triad

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



90.8520, 18.3140, 52.7498



85.3880, -42.0963, 15.4457



81.4590, 30.3397, -71.4395

# Complementary

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



90.8520, 18.3140, 52.7498



113.1480, -18.3140, -52.7498

# 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.



77.1440, 11.2680, -67.6553



90.8520, 18.3140, 52.7498



78.3620, -36.1675, -19.6115

# Square

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



90.8520, 18.3140, 52.7498



86.1730, -42.4833, 46.3293



70.2530, -7.5197, -61.6119



81.9440, 44.8906, -71.8649



# Rectangle

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



90.8520, 18.3140, 52.7498



85.0800, -14.3364, 71.8438



70.2530, -7.5197, -61.6119



79.9770, 24.6613, -70.1398

# Sweetspot

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



90.8520, 18.3140, 52.7498



173.3690, 7.2131, 19.8474



71.0490, 39.4158, 4.3420



85.5160, 4.1826, 11.8255



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



90.8520, 18.3140, 52.7498



102.0850, 28.5521, 82.3635



85.2660, -3.0891, 57.6487



72.0760, 1.4415, 4.3183



54.0580, 26.1004, 75.3711



5.0270, 2.4517, 6.9923



# Inverse Universe

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



90.8520, 18.3140, 52.7498



102.0850, 28.5521, 82.3635



118.7340, 3.0891, -57.6487



72.0760, 1.4415, 4.3183



54.0580, 26.1004, 75.3711



5.0270, 2.4517, 6.9923



# Previews

## White Background



This preview shows how the YUV color 90.8520, 18.3140, 52.7498 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 × Fail



# Black Background



This preview shows how the YUV color 90.8520, 18.3140, 52.7498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

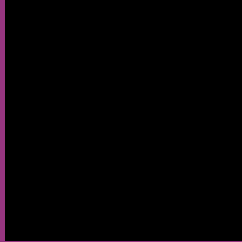
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 90.8520, 18.3140, 52.7498

## Background



This preview shows how black text looks on a background with the YUV color 90.8520, 18.3140, 52.7498.



This preview shows how white text looks on a background with the YUV color 90.8520, 18.3140,



# 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

90.8520, 18.3140, 52.7498

### Protanopia

90.3800, 33.8297, -24.0123

### Deuteranopia

93.0390, 14.2778, -6.1732



## Tritanopia

91.8920, -9.3138, 47.4527

# Trichromacy



## Original Color

90.8520, 18.3140, 52.7498

## Protanomaly

90.4760, 28.3593, 3.9675

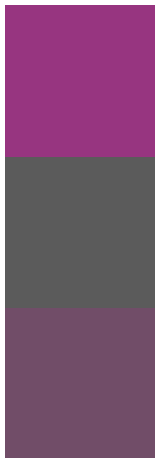
## Deuteranomaly

92.2250, 15.6651, 15.5887

## Tritanomaly

91.8350, 0.5743, 49.2567

# Monochromacy



## Original Color

90.8520, 18.3140, 52.7498

## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

90.8420, 6.4869, 19.4326

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.8520, 18.3140, 52.7498 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(151, 53, 128)` looks like.

```
.text, #text, p{  
    color:rgb(151, 53, 128)  
}
```

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(151, 53, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 53, 128) }
```

## Border

The CSS property to change the border of an element to YUV 90.8520, 18.3140, 52.7498 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".

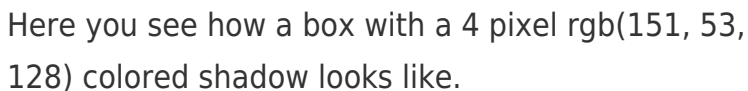
```
.border, #border, table{ border:4px solid rgb(151, 53, 128) }
```



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

```
.border{ border-color:rgb(151, 53, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 53, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 53, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 53, 128); box-shadow:4px 4px 4px 4px rgb(151, 53, 128) }
```

# Background

The CSS property to change the background color of an element to YUV 90.8520, 18.3140, 52.7498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 53, 128) }
```

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

```
.background{ background-color: rgb(151, 53,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor