

# Converting Colors

YUV(63.8650, 18.3076, 8.0114)

Have a look what the booklet for  
YUV(63.8650, 18.3076, 8.0114)  
contains.

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# Color

**YUV(63.8650, 18.3076,  
8.0114)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	493465
RGB	73, 52, 101
RGB Percent	29%, 20%, 40%
CMY	0.7137, 0.7961, 0.6039
CMYK	0.28, 0.49, 0.00, 0.60
HSL	266°, 32%, 30%
HSV	266°, 49%, 40%
XYZ	6.3246, 4.8120, 12.9074
YIQ	63.8650, -3.2130, 19.6910

# Conversions

## Conversions Part 2

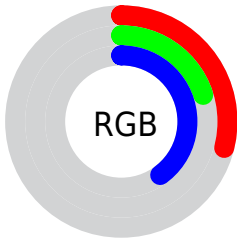
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 52, 101
Decimal	4797541
CIE Lab	26.19, 20.75, -25.50
CIE LCh	26, 32.877, 309.133
Yxy	4.8120, 0.2630, 0.2001
Android (android.graphics.Color)	4282987621 (0xFF493465)
<b>YUV</b>	63.8650, 18.3076, 8.0114
Hunter-Lab	21.9364, 13.0758, -19.5309

# Details

The YUV color **63.8650, 18.3076, 8.0114** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **89.1350, -18.3076, -8.0114**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.2180, 19.6125, 9.4558**, and **19.5120, 17.0026, 6.5670** is the 20% darker color. If you saturate the color by 10%, you get **56.2010, 22.0859, 9.4707**, and if you desaturate by 10%, it is **71.5290, 14.5292, 6.5521**.

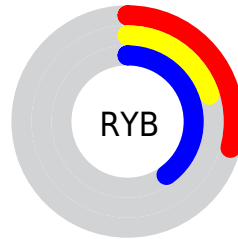
# Distribution



Red (29%)

Green (20%)

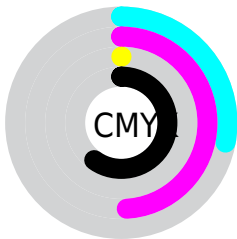
Blue (40%)



Red (29%)

Yellow (20%)

Blue (40%)

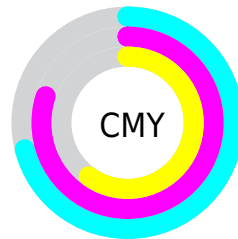


Cyan (28%)

Magenta (49%)

Yellow (0%)

Black (60%)



Cyan (71%)

Magenta (80%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 63.8650, 18.3076, 8.0114 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 63.8650, 18.3076, 8.0114 by changing the saturation by 10% instead.



63.8650, 18.3076,  
8.0114

63.8650, 18.3076,  
8.0114

255.0000, 0.0000,  
0.0000

41.0390, 17.7288,  
6.9818

112.2180, 19.6125,  
9.4558

19.5120, 17.0026,  
6.5670

137.7450, 20.3387,  
9.8706

3.6480, 13.9775,  
-3.1993

164.2720, 21.0649,  
10.2855

0.4560, 1.7472,  
-0.3999

191.6850, 21.3543,  
10.8003

0.0000, 0.0000,  
0.0000

218.1860, 18.1493,  
12.1149

242.0860, 6.3666,

11.3256

■ 63.8650, 18.3076,  
8.0114

■ 63.8650, 18.3076,  
8.0114

■ 56.2010, 22.0859,  
9.4707

■ 71.5290, 14.5292,  
6.5521

■ 48.5370, 25.8643,  
10.9301

■ 79.1930, 10.7509,  
5.0927

■ 41.1720, 29.4952,  
13.0042

■ 86.5580, 7.1199,  
3.0186

■ 33.5080, 33.2736,  
14.4635

■ 94.2220, 3.3416,  
1.5593

■ 25.8440, 37.0519,  
15.9228

■ 102.4730, -0.7262,  
-0.4148

■ 24.3710, 37.7781,  
16.3376

■ 110.1370, -4.5045,  
-1.8741

■ 117.5020, -8.1355,  
-3.9483

■ 125.1660,  
-11.9138, -5.4076

■ 132.8300,  
-15.6922, -6.8669

# Harmonies

## Analogous

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



55.9250, 27.1520, -28.8752



63.8650, 18.3076, 8.0114



63.0760, 8.3435, 30.6283

# Triad

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



63.8650, 18.3076, 8.0114



59.7910, -23.0680, 25.6163



51.3040, 8.7241, -44.9936

# Complementary

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



63.8650, 18.3076, 8.0114



89.1350, -18.3076, -8.0114

# 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.



47.7530, -2.3432, -41.8794



63.8650, 18.3076, 8.0114



57.9970, -25.6345, 8.7726

# Square

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



63.8650, 18.3076, 8.0114



60.2730, -13.9386, 37.4716



55.0420, -17.2757, -12.3148



53.4530, 19.4967, -46.8783



# Rectangle

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



63.8650, 18.3076, 8.0114



61.2960, 1.3331, 39.2054



55.0420, -17.2757, -12.3148



50.2780, 4.7929, -44.0938

# Sweetspot

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



63.8650, 18.3076, 8.0114



115.5580, 7.1199, 3.0186



74.6090, 13.0108, -19.8281



56.8630, 4.5045, 1.8741



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



63.8650, 18.3076, 8.0114



73.1180, 28.0428, 12.1745



71.0410, 14.7698, 22.7660



47.1680, 1.8892, 0.7297



27.7610, 43.0088, 18.6266



58.6840, 90.3748, 39.7421



# Inverse Universe

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



69.8430, 5.0074, 27.3247



82.3270, 7.7268, 41.8092



81.9590, -14.7698, -22.7660



47.8370, 0.5734, 2.7740



41.9090, 11.8769, 64.1008



88.0900, 24.6056, 134.9791



# Previews

## White Background



This preview shows how the YUV color 63.8650, 18.3076, 8.0114 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 63.8650, 18.3076, 8.0114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

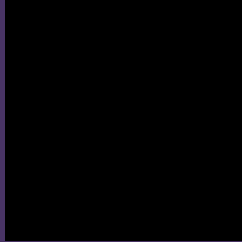
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 63.8650, 18.3076, 8.0114

## Background



This preview shows how black text looks on a background with the YUV color 63.8650, 18.3076, 8.0114.



This preview shows how white text looks on a background with the YUV color 63.8650, 18.3076,



# 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

63.8650, 18.3076, 8.0114

### Protanopia

60.1930, 24.0619, -17.7093

### Deuteranopia

60.2380, 19.1097, -15.9947



## Tritanopia

62.3640, 1.2995, 3.1888

# Trichromacy



## Original Color

63.8650, 18.3076, 8.0114

## Protanomaly

61.6780, 21.8507, -8.4876

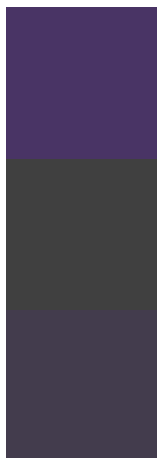
## Deuteranomaly

61.2930, 19.0826, -7.2730

## Tritanomaly

62.9820, 7.4039, 5.2778

# Monochromacy



## Original Color

63.8650, 18.3076, 8.0114

## Achromatopsia

64.0000, 0.0000, 0.0000

## Achromatomaly

64.0310, 6.3937, 2.6038

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 63.8650, 18.3076, 8.0114 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(73, 52, 101)` looks like.

```
.text, #text, p{  
    color:rgb(73, 52, 101)  
}
```

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(73, 52, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 52, 101) }
```

## Border

The CSS property to change the border of an element to YUV 63.8650, 18.3076, 8.0114 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(73, 52, 101) }
```



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

```
.border{ border-color:rgb(73, 52, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 52, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 52, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 52, 101);  
box-shadow:4px 4px 4px 4px rgb(73, 52,  
101) }
```

# Background

The CSS property to change the background color of an element to YUV 63.8650, 18.3076, 8.0114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 52, 101) }
```

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

```
.background{ background-color: rgb(73, 52,  
101) }
```

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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