

# Converting Colors

YUV(63.1840, 31.4613, 35.7956)

Have a look what the booklet for  
YUV(63.1840, 31.4613, 35.7956)  
contains.

<b>YUV(63.1840, 31.4613, 35.7956)</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(63.1840, 31.4613,  
35.7956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	681E7F
RGB	104, 30, 127
RGB Percent	41%, 12%, 50%
CMY	0.5922, 0.8824, 0.5020
CMYK	0.18, 0.76, 0.00, 0.50
HSL	286°, 62%, 31%
HSV	286°, 76%, 50%
XYZ	10.0040, 5.4039, 20.5945
YIQ	63.1840, 12.9670, 45.8550

# Conversions

## Conversions Part 2

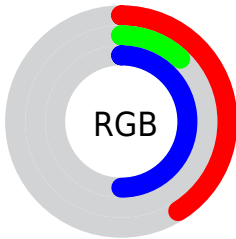
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	104, 30, 127
Decimal	6823551
CIELab	27.86, 47.04, -39.19
CIElCh	28, 61.227, 320.201
Yxy	5.4039, 0.2779, 0.1501
Android (android.graphics.Color)	4285013631 (0xFF681E7F)
YUV	63.1840, 31.4613, 35.7956
Hunter-Lab	23.2463, 36.1357, -36.2540

# Details

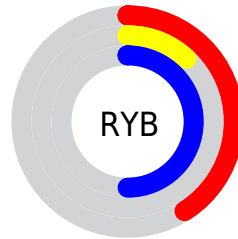
The YUV color **63.1840, 31.4613, 35.7956** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **93.8160, -31.4613, -35.7956**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.8960, 31.6033, 36.9252**, and **24.3260, 25.9683, 24.2701** is the 20% darker color. If you saturate the color by 10%, you get **54.6560, 35.6656, 40.6437**, and if you desaturate by 10%, it is **71.7120, 27.2570, 30.9476**.

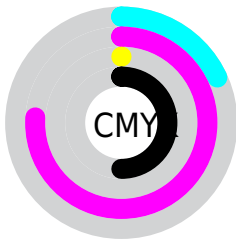
# Distribution



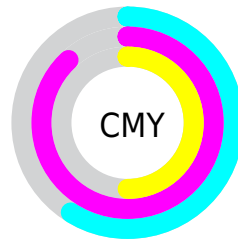
- Red (41%)
- Green (12%)
- Blue (50%)



- Red (41%)
- Yellow (12%)
- Blue (50%)



- Cyan (18%)
- Magenta (76%)
- Yellow (0%)
- Black (50%)



- Cyan (59%)
- Magenta (88%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 63.1840, 31.4613, 35.7956 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 63.1840, 31.4613, 35.7956 by changing the saturation by 10% instead.



63.1840, 31.4613,  
35.7956

63.1840, 31.4613,  
35.7956

255.0000, 0.0000,  
0.0000

34.9500, 33.0556,  
37.7548

115.8960, 31.6033,  
36.9252

24.3260, 25.9683,  
24.2701

142.7220, 32.1821,  
37.9548

15.1260, 19.1649,  
13.0445

170.5480, 32.7608,  
38.9844

4.7080, 12.9620,  
-4.1289

197.1200, 28.5348,  
41.1138

0.2280, 0.8736,  
-0.2000

216.8450, 18.8104,  
33.4619

0.0000, 0.0000,  
0.0000

233.2810, 10.7075,

19.0476

250.3040, 2.3151,  
4.1184

63.1840, 31.4613,  
35.7956

63.1840, 31.4613,  
35.7956

54.6560, 35.6656,  
40.6437

71.7120, 27.2570,  
30.9476

46.7150, 39.5805,  
44.9769

79.6530, 23.3421,  
26.6143

43.4810, 41.1749,  
46.9362

88.1810, 19.1378,  
21.7663

96.7090, 14.9335,  
16.9182

105.2370, 10.7292,  
12.0702

■ 113.1780, 6.8142,  
7.7369

■ 121.7060, 2.6099,  
2.8888

■ 130.2340, -1.5944,  
-1.9592

■ 138.1750, -5.5093,  
-6.2925

# Harmonies

## Analogous

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



53.5910, 50.4876, -46.9993



63.1840, 31.4613, 35.7956



50.7240, 15.9121, 76.5411

# Triad

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



63.1840, 31.4613, 35.7956



62.1520, -30.6409, 27.9307



60.3660, 18.0606, -52.9410

# Complementary

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



63.1840, 31.4613, 35.7956



93.8160, -31.4613, -35.7956

# 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.



54.1930, -3.0531, -47.5273



63.1840, 31.4613, 35.7956



58.1000, -28.6433, -6.2267

# Square

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



63.1840, 31.4613, 35.7956



55.8710, -27.5444, 61.5031



46.9600, -23.1513, -41.1839



64.4530, 36.2587, -56.5253



# Rectangle

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



63.1840, 31.4613, 35.7956



48.9840, 1.4869, 83.3290



46.9600, -23.1513, -41.1839



58.5420, 11.0718, -51.3413

# Sweetspot

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



63.1840, 31.4613, 35.7956



141.0030, 12.3235, 14.0294



55.1460, 35.4240, -22.0530



69.0040, 7.3930, 8.7665



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



63.1840, 31.4613, 35.7956



65.4250, 49.5835, 56.6323



67.3250, 17.5878, 52.3350



59.2930, 2.3206, 2.3740



43.5950, 41.6117, 46.8362



0.0000, 0.0000, 0.0000



# Inverse Universe

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



61.6250, -4.2521, 57.3339



62.8510, -6.8285, 90.4617



89.6750, -17.5878, -52.3350



59.3210, -0.1583, 4.1035



41.6920, -5.7642, 75.6921



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 63.1840, 31.4613, 35.7956 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 63.1840, 31.4613, 35.7956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

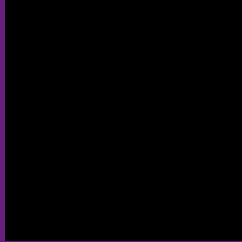
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 63.1840, 31.4613, 35.7956

## Background



This preview shows how black text looks on a background with the YUV color 63.1840, 31.4613, 35.7956.



This preview shows how white text looks on a background with the YUV color 63.1840, 31.4613,



# 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

63.1840, 31.4613, 35.7956

### Protanopia

53.7730, 41.0309, -47.1589

### Deuteranopia

56.4010, 31.8473, -41.5707



## Tritanopia

67.8180, -3.8543, 22.9616

# Trichromacy



## Original Color

63.1840, 31.4613, 35.7956

## Protanomaly

57.0480, 37.4443, -16.7051

## Deuteranomaly

58.8760, 31.6131, -13.0463

## Tritanomaly

66.4670, 8.6438, 27.6544

# Monochromacy



## Original Color

63.1840, 31.4613, 35.7956

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

63.0630, 11.3079, 13.0997

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 63.1840, 31.4613, 35.7956 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(104, 30, 127)` looks like.

```
.text, #text, p{  
  color:rgb(104, 30, 127)  
}
```

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(104, 30, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 30, 127) }
```

## Border

The CSS property to change the border of an element to YUV 63.1840, 31.4613, 35.7956 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(104, 30, 127) }
```



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

```
.border{ border-color:rgb(104, 30, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 30, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 30, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 30, 127);  
box-shadow:4px 4px 4px 4px rgb(104, 30,  
127) }
```

# Background

The CSS property to change the background color of an element to YUV 63.1840, 31.4613, 35.7956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 30, 127) }
```

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

```
.background{ background-color: rgb(104, 30,  
127) }
```

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