

# Converting Colors

YUV(81.1980, 13.7064, 84.0184)

Have a look what the booklet for  
YUV(81.1980, 13.7064, 84.0184)  
contains.

<b>YUV(81.1980, 13.7064, 84.0184)</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(81.1980, 13.7064,  
84.0184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B11B6D
RGB	177, 27, 109
RGB Percent	69%, 11%, 43%
CMY	0.3059, 0.8941, 0.5725
CMYK	0.00, 0.85, 0.38, 0.31
HSL	327°, 74%, 40%
HSV	327°, 85%, 69%
XYZ	21.2837, 11.2351, 15.5148
YIQ	81.1980, 63.0780, 57.3020

# Conversions

## Conversions Part 2

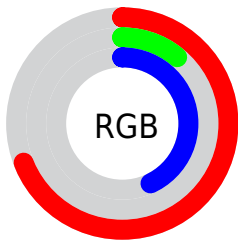
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 27, 109
Decimal	11606893
CIE <sub>Lab</sub>	39.97, 62.36, -7.96
CIE <sub>LCh</sub>	40, 62.866, 352.730
Yxy	11.2351, 0.4431, 0.2339
Android (android.graphics.Color)	4289796973 (0xFFB11B6D)
YUV	81.1980, 13.7064, 84.0184
Hunter-Lab	33.5188, 54.6857, -3.9803

# Details

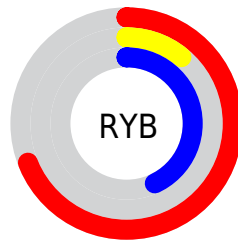
The YUV color **81.1980, 13.7064, 84.0184** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **122.8020, -13.7064, -84.0184**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.5200, 8.6176, 82.8590**, and **42.6490, 9.5400, 66.9598** is the 20% darker color. If you saturate the color by 10%, you get **69.7200, 15.4210, 94.0846**, and if you desaturate by 10%, it is **92.6760, 11.9917, 73.9521**.

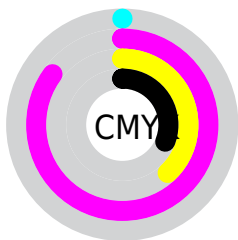
# Distribution



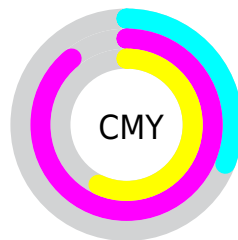
- Red (69%)
- Green (11%)
- Blue (43%)



- Red (69%)
- Yellow (11%)
- Blue (43%)



- Cyan (0%)
- Magenta (85%)
- Yellow (38%)
- Black (31%)




- Cyan (31%)
- Magenta (89%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 81.1980, 13.7064, 84.0184 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 81.1980, 13.7064, 84.0184 by changing the saturation by 10% instead.



 81.1980, 13.7064,  
84.0184


 81.1980, 13.7064,  
84.0184

255.0000, 0.0000,  
0.0000


 53.9420, 15.3116,  
82.4889


 142.5200, 8.6176,  
82.8590


 42.6490, 9.5400,  
66.9598


 168.0030, 9.3655,  
76.2964


 31.4700, 4.2053,  
51.3308

 187.6310, 13.4929,  
59.0826

 21.7150, -0.8455,  
37.9609

 207.9600, 17.7677,  
41.2541

 9.9810, -4.4276,  
20.1877

 226.2370, 14.1802,  
25.2252

 0.0000, 0.0000,  
0.0000

 243.2600, 5.7878,

10.2960

■ 81.1980, 13.7064,  
84.0184

■ 81.1980, 13.7064,  
84.0184

■ 69.7200, 15.4210,  
94.0846

■ 92.6760, 11.9917,  
73.9521

■ 63.9810, 16.2784,  
99.1177

■ 103.5670, 10.5665,  
64.4007

■ 115.0450, 8.8518,  
54.3345

■ 126.5230, 7.1372,  
44.2683

■ 137.4140, 5.7119,  
34.7169

■ 148.8920, 3.9972,  
24.6507

■ 160.3700, 2.2826,  
14.5845

■ 171.8480, 0.5679,  
4.5183

■ 182.7390, -0.8573,  
-5.0331

# Harmonies

## Analogous

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



94.4020, 30.8608, 41.7434



81.1980, 13.7064, 84.0184



80.1020, -10.8963, 88.4875

# Triad

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



81.1980, 13.7064, 84.0184



83.4840, -41.1576, -5.6865



86.9820, 43.8859, -76.2832

# Complementary

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



81.1980, 13.7064, 84.0184



122.8020, -13.7064, -84.0184

# 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.



83.2540, 24.5248, -73.0138



81.1980, 13.7064, 84.0184



67.7790, -22.0760, -59.4422

# Square

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



81.1980, 13.7064, 84.0184



89.0310, -43.8923, 31.5448



76.6250, 1.6639, -67.2001



83.5060, 55.9525, -73.2348



# Rectangle

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



81.1980, 13.7064, 84.0184



85.3780, -29.7664, 74.2135



76.6250, 1.6639, -67.2001



86.0870, 37.9181, -75.4983

# Sweetspot

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



81.1980, 13.7064, 84.0184



192.8760, 4.9911, 32.5577



64.4320, 55.4960, 26.8081



92.6310, 3.1399, 19.6176



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



81.1980, 13.7064, 84.0184



83.0200, 20.6961, 128.9015



72.6480, -19.0535, 91.5167



83.2610, 0.8573, 5.0331



55.3230, 14.1378, 85.6627



9.3700, 2.2826, 14.5845



# Inverse Universe

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



81.1980, 13.7064, 84.0184



83.0200, 20.6961, 128.9015



131.2380, 18.6167, -91.4167



83.2610, 0.8573, 5.0331



55.3230, 14.1378, 85.6627



9.3700, 2.2826, 14.5845



# Previews

## White Background



This preview shows how the YUV color 81.1980, 13.7064, 84.0184 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

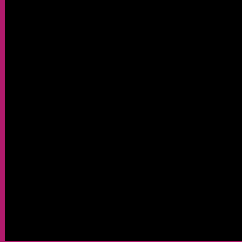
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.1980, 13.7064, 84.0184

## Background



This preview shows how black text looks on a background with the YUV color 81.1980, 13.7064, 84.0184.



This preview shows how white text looks on a background with the YUV color 81.1980, 13.7064,



# 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

81.1980, 13.7064, 84.0184

### Protanopia

94.5180, 27.8456, -17.9943

### Deuteranopia

96.7170, 2.6045, 4.6332



## Tritanopia

86.3040, -17.4049, 76.0324

# Trichromacy



## Original Color

81.1980, 13.7064, 84.0184

## Protanomaly

89.7830, 22.7850, 18.6073

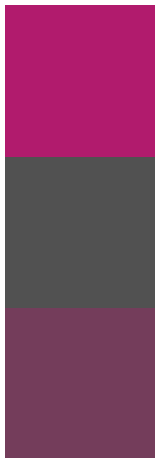
## Deuteranomaly

91.0440, 6.8803, 33.2874

## Tritanomaly

84.3010, -6.0644, 78.6660

# Monochromacy



## Original Color

81.1980, 13.7064, 84.0184

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

80.8650, 4.9966, 30.8134

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.1980, 13.7064, 84.0184 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(177, 27, 109)` looks like.

```
.text, #text, p{  
    color:rgb(177, 27, 109)  
}
```

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(177, 27, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 27, 109) }
```

## Border

The CSS property to change the border of an element to YUV 81.1980, 13.7064, 84.0184 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(177, 27, 109) }
```



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

```
.border{ border-color:rgb(177, 27, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 27, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 27, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 27, 109);  
box-shadow:4px 4px 4px 4px rgb(177, 27,  
109) }
```

# Background

The CSS property to change the background color of an element to YUV 81.1980, 13.7064, 84.0184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 27, 109) }
```

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

```
.background{ background-color: rgb(177, 27,  
109) }
```

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