

# Converting Colors

YUV(121.4060, 18.0408,  
47.0019)

Have a look what the booklet for  
YUV(121.4060, 18.0408, 47.0019)  
contains.

<b>YUV(121.4060, 18.0408, 47.0019)</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(121.4060, 18.0408,  
47.0019)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF579E
RGB	175, 87, 158
RGB Percent	69%, 34%, 62%
CMY	0.3137, 0.6588, 0.3804
CMYK	0.00, 0.50, 0.10, 0.31
HSL	312°, 35%, 51%
HSV	312°, 50%, 69%
XYZ	27.2589, 18.3990, 34.4624
YIQ	121.4060, 29.6570, 40.7370

# Conversions

## Conversions Part 2

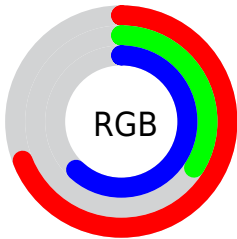
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 87, 158
Decimal	11491230
CIE <sub>Lab</sub>	49.98, 45.35, -22.55
CIE <sub>LCh</sub>	50, 50.645, 333.565
Yxy	18.3990, 0.3402, 0.2296
Android (android.graphics.Color)	4289681310 (0xFFAF579E)
YUV	121.4060, 18.0408, 47.0019
Hunter-Lab	42.8940, 38.3714, -17.6096

# Details

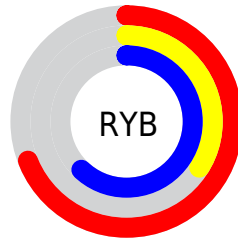
The YUV color **121.4060, 18.0408, 47.0019** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **140.5940, -18.0408, -47.0019**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **175.8300, 18.3248, 49.2611**, and **67.9220, 18.7725, 45.6724** is the 20% darker color. If you saturate the color by 10%, you get **111.0850, 21.6501, 56.0535**, and if you desaturate by 10%, it is **132.3140, 14.1422, 37.4356**.

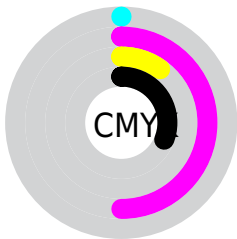
# Distribution



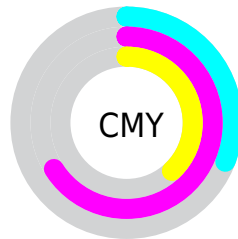
- Red (69%)
- Green (34%)
- Blue (62%)



- Red (69%)
- Yellow (34%)
- Blue (62%)



- Cyan (0%)
- Magenta (50%)
- Yellow (10%)
- Black (31%)



- Cyan (31%)
- Magenta (66%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 121.4060, 18.0408, 47.0019 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 121.4060, 18.0408, 47.0019 by changing the saturation by 10% instead.



121.4060, 18.0408,  
47.0019

121.4060, 18.0408,  
47.0019

255.0000, 0.0000,  
0.0000

94.8080, 18.3357,  
45.7724

175.8300, 18.3248,  
49.2611

67.9220, 18.7725,  
45.6724

201.7480, 19.3512,  
46.7020

37.4540, 21.9612,  
49.5908

219.7800, 17.3635,  
30.8879

27.0580, 15.7474,  
35.9061

236.8030, 8.9711,  
15.9588

18.2710, 9.2334,  
25.1953

253.8260, 0.5788,  
1.0296

1.4820, 5.6784,  
-1.2997

0.0000, 0.0000,

0.0000

■ 121.4060, 18.0408,  
47.0019

■ 121.4060, 18.0408,  
47.0019

■ 111.0850, 21.6501,  
56.0535

■ 132.3140, 14.1422,  
37.4356

■ 100.0630, 25.1119,  
65.7197

■ 142.7490, 10.9697,  
28.2841

■ 89.1550, 29.0106,  
75.2861

■ 153.0700, 7.3605,  
19.2326

■ 78.7200, 32.1830,  
84.4376

■ 164.0920, 3.8986,  
9.5663

■ 68.3990, 35.7923,  
93.4891

■ 175.0000, 0.0000,  
0.0000

■ 185.3210, -3.6093,  
-9.0515

■ 196.3430, -7.0711,  
-18.7178

■ 206.6640,  
-10.6804, -27.7693

■ 216.9850,  
-14.2896, -36.8208

# Harmonies

## Analogous

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



121.3820, 34.3217, 4.9270



121.4060, 18.0408, 47.0019



117.5000, -1.2325, 68.8445

# Triad

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



121.4060, 18.0408, 47.0019



112.4380, -44.5859, 20.6639



100.4030, 31.8463, -88.0534

# Complementary

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



121.4060, 18.0408, 47.0019



140.5940, -18.0408, -47.0019

# 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.



95.6150, 13.5008, -83.8544



121.4060, 18.0408, 47.0019



108.4920, -33.2736, -14.4635

# Square

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



121.4060, 18.0408, 47.0019



115.5630, -37.2526, 48.6182



91.5180, -6.1714, -74.1223



100.4150, 47.1234, -88.0640



# Rectangle

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



121.4060, 18.0408, 47.0019



116.0690, -14.3310, 70.0995



91.5180, -6.1714, -74.1223



98.9210, 26.1679, -86.7537

# Sweetspot

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



121.4060, 18.0408, 47.0019



206.2440, 6.7817, 18.2030



101.8160, 36.0797, 1.0384



102.2170, 4.3300, 11.2107



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.



121.4060, 18.0408, 47.0019



144.2040, 28.0004, 72.6121



116.5040, -0.7415, 51.3010



81.4890, 1.7309, 4.8331



58.6440, 30.7415, 80.1192



9.0430, 4.9088, 12.2403



# Inverse Universe

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



121.4060, 18.0408, 47.0019



144.2040, 28.0004, 72.6121



145.4960, 0.7415, -51.3010



81.4890, 1.7309, 4.8331



58.6440, 30.7415, 80.1192



9.0430, 4.9088, 12.2403



# Previews

## White Background



This preview shows how the YUV color 121.4060, 18.0408, 47.0019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

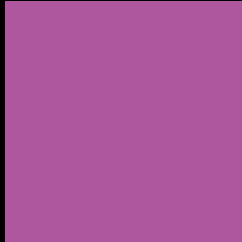
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 121.4060, 18.0408, 47.0019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

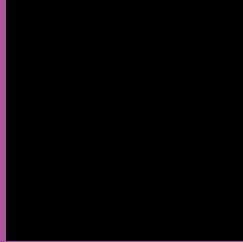
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 121.4060, 18.0408, 47.0019

## Background



This preview shows how black text looks on a background with the YUV color 121.4060, 18.0408, 47.0019.



This preview shows how white text looks on a background with the YUV color 121.4060, 18.0408,



# 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

121.4060, 18.0408, 47.0019

### Protanopia

118.4300, 31.3400, -18.7941

### Deuteranopia

119.9080, 16.3144, -6.0583



## Tritanopia

120.7280, -7.2609, 42.3345

# Trichromacy



## Original Color

121.4060, 18.0408, 47.0019

## Protanomaly

119.3190, 26.4647, 4.9822

## Deuteranomaly

120.5560, 16.9809, 13.5444

## Tritanomaly

121.1440, 1.9010, 43.7237

# Monochromacy



## Original Color

121.4060, 18.0408, 47.0019

## Achromatopsia

121.0000, 0.0000, 0.0000

## Achromatomaly

121.4180, 6.2029, 17.1734

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 121.4060, 18.0408, 47.0019 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(175, 87, 158)` looks like.

```
.text, #text, p{  
    color:rgb(175, 87, 158)  
}
```

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(175, 87, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 87, 158) }
```

## Border

The CSS property to change the border of an element to YUV 121.4060, 18.0408, 47.0019 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".

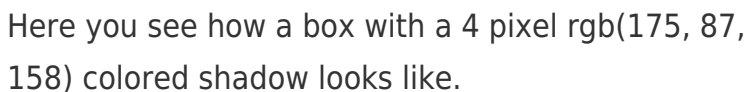
```
.border, #border, table{ border:4px solid rgb(175, 87, 158) }
```



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

```
.border{ border-color:rgb(175, 87, 158) }
```

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



Here you see how a box with a 4 pixel rgb(175, 87, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 87, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 87, 158); box-shadow:4px 4px 4px 4px rgb(175, 87, 158) }
```

# Background

The CSS property to change the background color of an element to YUV 121.4060, 18.0408, 47.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 87, 158) }
```

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

```
.background{ background-color: rgb(175, 87,  
158) }
```

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