

# Converting Colors

YUV(123.9960, 26.6240,  
47.3615)

Have a look what the booklet for  
YUV(123.9960, 26.6240, 47.3615)  
contains.

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# Color

**YUV(123.9960, 26.6240,  
47.3615)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B256B2
RGB	178, 86, 178
RGB Percent	70%, 34%, 70%
CMY	0.3020, 0.6627, 0.3020
CMYK	0.00, 0.52, 0.00, 0.30
HSL	300°, 37%, 52%
HSV	300°, 52%, 70%
XYZ	29.7238, 19.3349, 44.2849
YIQ	123.9960, 25.3000, 48.1160

# Conversions

## Conversions Part 2

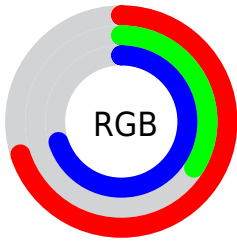
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 86, 178
Decimal	11687602
CIE <sub>Lab</sub>	51.08, 50.26, -32.53
CIE <sub>LCh</sub>	51, 59.870, 327.086
Yxy	19.3349, 0.3184, 0.2071
Android (android.graphics.Color)	4289877682 (0xFFB256B2)
YUV	123.9960, 26.6240, 47.3615
Hunter-Lab	43.9715, 43.7121, -28.9325

# Details

The YUV color **123.9960, 26.6240, 47.3615** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **140.0040, -26.6240, -47.3615**, and the grayscale version is **124.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **178.8330, 27.1973, 50.1355**, and **69.8110, 27.2082, 46.6468** is the 20% darker color. If you saturate the color by 10%, you get **113.4300, 31.8330, 56.6279**, and if you desaturate by 10%, it is **134.5620, 21.4149, 38.0951**.

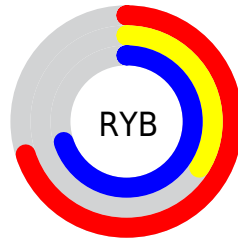
# Distribution



Red (70%)

Green (34%)

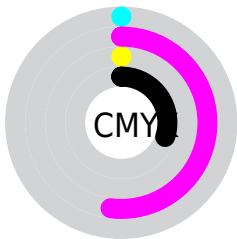
Blue (70%)



Red (70%)

Yellow (34%)

Blue (70%)

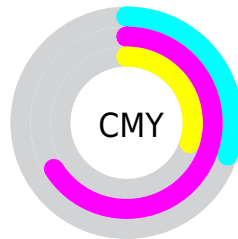


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (30%)



Cyan (30%)

Magenta (66%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.9960, 26.6240, 47.3615 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 123.9960, 26.6240, 47.3615 by changing the saturation by 10% instead.





 123.9960, 26.6240,  
47.3615


 123.9960, 26.6240,  
47.3615


255.0000, 0.0000,  
0.0000


 97.2840, 26.4820,  
46.2319


 178.8330, 27.1973,  
50.1355

 69.8110, 27.2082,  
46.6468


 203.3440, 25.4664,  
45.3023

 40.1040, 29.5287,  
49.0208


 219.7800, 17.3635,  
30.8879

 29.4800, 22.4414,  
35.5360

 236.8030, 8.9711,  
15.9588

 19.9810, 15.7854,  
23.6957

253.8260, 0.5788,  
1.0296

 6.7090, 11.4825,  
3.7632

 0.0000, 0.0000,

0.0000

123.9960, 26.6240,  
47.3615

123.9960, 26.6240,  
47.3615

113.4300, 31.8330,  
56.6279

134.5620, 21.4149,  
38.0951

102.8640, 37.0420,  
65.8943

145.1280, 16.2059,  
28.8287

92.8850, 41.9617,  
74.6459

155.1070, 11.2862,  
20.0772

82.3190, 47.1707,  
83.9122

165.6730, 6.0772,  
10.8108

73.5140, 51.5116,  
91.6342

176.2390, 0.8682,  
1.5444

186.8050, -4.3409,  
-7.7220

■ 197.3710, -9.5499,  
-16.9884

■ 207.3500,  
-14.4695, -25.7399

■ 217.9160,  
-19.6786, -35.0063

# Harmonies

## Analogous

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



121.7420, 44.9902, -10.2977



123.9960, 26.6240, 47.3615



117.7000, 5.5709, 80.0701

# Triad

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



123.9960, 26.6240, 47.3615



114.1160, -56.2592, 31.4703



104.1530, 30.9836, -91.3422

# Complementary

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



123.9960, 26.6240, 47.3615



140.0040, -26.6240, -47.3615

# 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.



98.2250, 8.2701, -86.1433



123.9960, 26.6240, 47.3615



108.8230, -48.7197, -6.8608

# Square

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



123.9960, 26.6240, 47.3615



116.9130, -41.3691, 62.3433



89.9490, -13.2859, -78.8853



105.7780, 49.9024, -92.7673



# Rectangle

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



123.9960, 26.6240, 47.3615



115.6070, -10.1593, 85.4137



89.9490, -13.2859, -78.8853



102.2150, 23.5580, -89.6426

# Sweetspot

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



123.9960, 26.6240, 47.3615



210.2810, 10.7075, 19.0476



96.4880, 40.1854, -9.1980



104.0860, 6.3666, 11.3256



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



123.9960, 26.6240, 47.3615



147.4720, 41.6723, 74.1311



118.7520, 6.5313, 51.9605



83.7170, 2.6045, 4.6332



63.1890, 44.2768, 78.7642



10.7380, 7.5242, 13.3848



# Inverse Universe

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



123.9960, 26.6240, 47.3615



147.4720, 41.6723, 74.1311



145.2480, -6.5313, -51.9605



83.7170, 2.6045, 4.6332



63.1890, 44.2768, 78.7642



10.7380, 7.5242, 13.3848



# Previews

## White Background



This preview shows how the YUV color 123.9960, 26.6240, 47.3615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

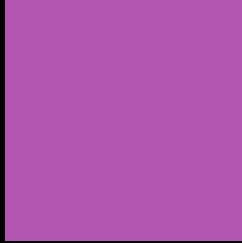
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 123.9960, 26.6240, 47.3615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

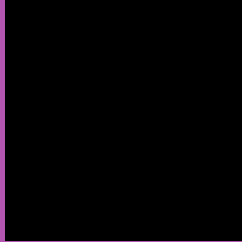
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 123.9960, 26.6240, 47.3615

## Background



This preview shows how black text looks on a background with the YUV color 123.9960, 26.6240, 47.3615.



This preview shows how white text looks on a background with the YUV color 123.9960, 26.6240,



# 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

123.9960, 26.6240, 47.3615

### Protanopia

118.8660, 43.4501, -29.7005

### Deuteranopia

121.7310, 24.7826, -15.5501



**Tritanopia**

123.8310, -6.8187, 40.4902

# Trichromacy



## Original Color

123.9960, 26.6240, 47.3615



## Protanomaly

120.7340, 37.1061, -1.5207



## Deuteranomaly

122.4010, 25.4383, 7.5413



## Tritanomaly

124.0560, 5.3954, 42.9239

# Monochromacy



## Original Color

123.9960, 26.6240, 47.3615



## Achromatopsia

124.0000, 0.0000, 0.0000



## Achromatomaly

124.0420, 9.8393, 17.5032

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.9960, 26.6240, 47.3615 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(178, 86, 178)` looks like.

```
.text, #text, p{  
    color:rgb(178, 86, 178)  
}
```

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(178, 86, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 86, 178) }
```

## Border

The CSS property to change the border of an element to YUV 123.9960, 26.6240, 47.3615 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(178, 86, 178) }
```



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

```
.border{ border-color:rgb(178, 86, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 86, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 86, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 86, 178);  
box-shadow:4px 4px 4px 4px rgb(178, 86,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 123.9960, 26.6240, 47.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 86, 178) }
```

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

```
.background{ background-color: rgb(178, 86,  
178) }
```

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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