

# Converting Colors

YUV(100.8660, 23.7301,  
42.2135)

Have a look what the booklet for  
YUV(100.8660, 23.7301, 42.2135)  
contains.

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# Color

**YUV(100.8660, 23.7301,  
42.2135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	954395
RGB	149, 67, 149
RGB Percent	58%, 26%, 58%
CMY	0.4157, 0.7373, 0.4157
CMYK	0.00, 0.55, 0.00, 0.42
HSL	300°, 38%, 42%
HSV	300°, 55%, 58%
XYZ	19.8264, 12.5738, 29.8158
YIQ	100.8660, 22.5500, 42.8860

# Conversions

## Conversions Part 2

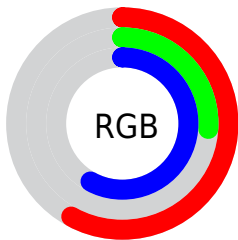
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	149, 67, 149
Decimal	9782165
CIE Lab	42.11, 46.04, -29.68
CIE LCh	42, 54.778, 327.194
Yxy	12.5738, 0.3187, 0.2021
Android (android.graphics.Color)	4287972245 (0xFF954395)
YUV	100.8660, 23.7301, 42.2135
Hunter-Lab	35.4596, 37.7500, -25.0317

# Details

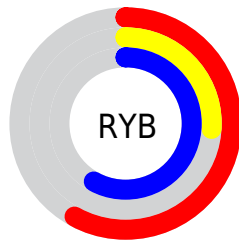
The YUV color **100.8660, 23.7301, 42.2135** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **115.1340, -23.7301, -42.2135**, and the grayscale version is **101.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.2900, 24.0140, 44.4727**, and **45.7460, 25.7612, 44.0728** is the 20% darker color. If you saturate the color by 10%, you get **92.0610, 28.0709, 49.9355**, and if you desaturate by 10%, it is **109.6710, 19.3892, 34.4915**.

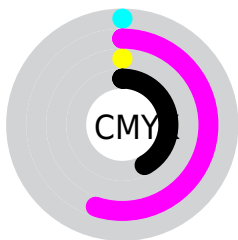
# Distribution



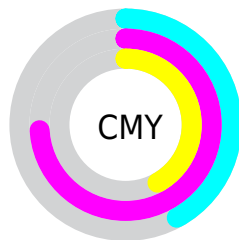
- Red (58%)
- Green (26%)
- Blue (58%)



- Red (58%)
- Yellow (26%)
- Blue (58%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (42%)



- Cyan (42%)
- Magenta (74%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.8660, 23.7301, 42.2135 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 100.8660, 23.7301, 42.2135 by changing the saturation by 10% instead.



100.8660, 23.7301,  
42.2135

100.8660, 23.7301,  
42.2135

255.0000, 0.0000,  
0.0000

74.5670, 23.8775,  
41.5987

154.2900, 24.0140,  
44.4727

45.7460, 25.7612,  
44.0728

182.1160, 24.5928,  
45.5023

29.3660, 22.0046,  
35.6360

206.8660, 23.7301,  
42.2135

19.8670, 15.3486,  
23.7956

223.3020, 15.6271,  
27.7991

7.1930, 10.7509,  
5.0927

240.3250, 7.2348,  
12.8700

0.0000, 0.0000,  
0.0000

100.8660, 23.7301,  
42.2135

100.8660, 23.7301,  
42.2135

92.0610, 28.0709,  
49.9355

109.6710, 19.3892,  
34.4915

83.2560, 32.4118,  
57.6575

118.4760, 15.0483,  
26.7695

74.4510, 36.7527,  
65.3795

127.2810, 10.7075,  
19.0476

65.6460, 41.0935,  
73.1015

136.0860, 6.3666,  
11.3256

61.5370, 43.1193,  
76.7051


144.8910, 2.0257,  
3.6036

153.1090, -2.0257,  
-3.6036

161.9140, -6.3666,  
-11.3256

170.7190,

-10.7075, -19.0476

 179.5240,  
-15.0483, -26.7695

# Harmonies

## Analogous

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



99.0750, 39.8960, -9.7128



100.8660, 23.7301, 42.2135



94.6450, 5.5980, 71.3483

# Triad

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



100.8660, 23.7301, 42.2135



93.4280, -46.0600, 26.8116



86.4000, 26.4248, -75.7728

# Complementary

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



100.8660, 23.7301, 42.2135



115.1340, -23.7301, -42.2135

# 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.



80.5690, 6.6215, -70.6590



100.8660, 23.7301, 42.2135



87.9030, -43.3362, -6.9309

# Square

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



100.8660, 23.7301, 42.2135



94.3080, -37.1268, 54.9809



73.4500, -13.0399, -64.4156



88.0420, 42.8703, -77.2128



# Rectangle

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



100.8660, 23.7301, 42.2135



92.7090, -8.2375, 75.6772



73.4500, -13.0399, -64.4156



84.6900, 19.8728, -74.2731

# Sweetspot

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



100.8660, 23.7301, 42.2135



174.6290, 9.5499, 16.9884



76.3480, 35.8174, -8.1982



85.8470, 5.4984, 9.7812



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



100.8660, 23.7301, 42.2135



118.8640, 37.0420, 65.8943



96.1920, 5.8213, 46.3126



69.8910, 2.0257, 3.6036



56.9940, 39.9360, 71.0423



4.1300, 2.8939, 5.1480



# Inverse Universe

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



100.8660, 23.7301, 42.2135



118.8640, 37.0420, 65.8943



119.8080, -5.8213, -46.3126



69.8910, 2.0257, 3.6036



56.9940, 39.9360, 71.0423

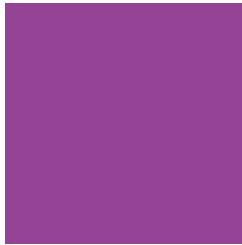


4.1300, 2.8939, 5.1480



# Previews

## White Background



This preview shows how the YUV color 100.8660, 23.7301, 42.2135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

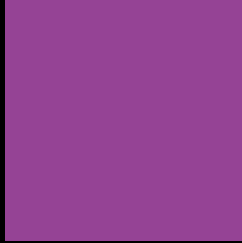
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 100.8660, 23.7301, 42.2135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

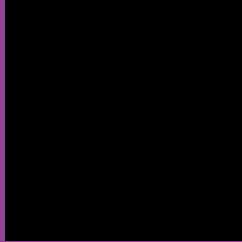
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 100.8660, 23.7301, 42.2135

## Background



This preview shows how black text looks on a background with the YUV color 100.8660, 23.7301, 42.2135.



This preview shows how white text looks on a background with the YUV color 100.8660, 23.7301,



# 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

100.8660, 23.7301, 42.2135

### Protanopia

96.1390, 39.3715, -28.1859

### Deuteranopia

99.2320, 21.5776, -14.2355



## Tritanopia

101.3250, -6.0762, 35.6720

# Trichromacy



## Original Color

100.8660, 23.7301, 42.2135



## Protanomaly

97.8110, 33.6172, -2.4652



## Deuteranomaly

99.5920, 22.3861, 6.4968



## Tritanomaly

101.2080, 4.8275, 38.4056

# Monochromacy



## Original Color

100.8660, 23.7301, 42.2135



## Achromatopsia

101.0000, 0.0000, 0.0000



## Achromatomaly

100.9770, 8.3923, 14.9292

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.8660, 23.7301, 42.2135 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(149, 67, 149)` looks like.

```
.text, #text, p{  
    color:rgb(149, 67, 149)  
}
```

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(149, 67, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 67, 149) }
```

## Border

The CSS property to change the border of an element to YUV 100.8660, 23.7301, 42.2135 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(149, 67, 149) }
```



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

```
.border{ border-color:rgb(149, 67, 149) }
```

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

Here you see how a box with a 4 pixel rgb(149, 67, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 67, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 67, 149);  
box-shadow:4px 4px 4px 4px rgb(149, 67,  
149) }
```

# Background

The CSS property to change the background color of an element to YUV 100.8660, 23.7301, 42.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 67, 149) }
```

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

```
.background{ background-color: rgb(149, 67,  
149) }
```

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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