

# Converting Colors

YUV(115.0930, 46.2962,  
37.6294)

Have a look what the booklet for  
YUV(115.0930, 46.2962, 37.6294)  
contains.

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# Color

**YUV(115.0930, 46.2962,  
37.6294)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E4BD1
RGB	158, 75, 209
RGB Percent	62%, 29%, 82%
CMY	0.3804, 0.7059, 0.1804
CMYK	0.24, 0.64, 0.00, 0.18
HSL	277°, 59%, 56%
HSV	277°, 64%, 82%
XYZ	28.1253, 16.9047, 62.1022
YIQ	115.0930, 6.4540, 59.2700

# Conversions

## Conversions Part 2

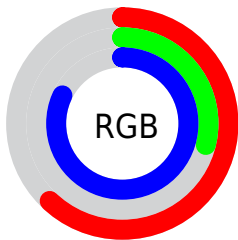
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 75, 209
Decimal	10374097
CIE <sub>Lab</sub>	48.14, 56.72, -55.28
CIE <sub>LCh</sub>	48, 79.202, 315.741
Yxy	16.9047, 0.2625, 0.1578
Android (android.graphics.Color)	4288564177 (0xFF9E4BD1)
YUV	115.0930, 46.2962, 37.6294
Hunter-Lab	41.1153, 50.1524, -60.7732

# Details

The YUV color **115.0930, 46.2962, 37.6294** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **168.9070, -46.2962, -37.6294**, and the grayscale version is **115.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.3770, 42.2121, 40.8884**, and **57.4460, 47.6011, 39.0739** is the 20% darker color. If you saturate the color by 10%, you get **100.3740, 53.5526, 43.5220**, and if you desaturate by 10%, it is **129.8120, 39.0397, 31.7369**.

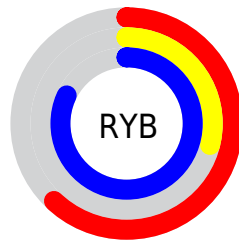
# Distribution



Red (62%)

Green (29%)

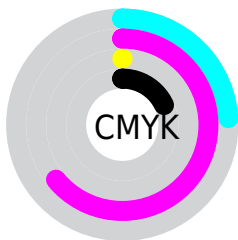
Blue (82%)



Red (62%)

Yellow (29%)

Blue (82%)

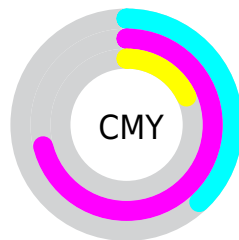


Cyan (24%)

Magenta (64%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (71%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 115.0930, 46.2962, 37.6294 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 115.0930, 46.2962, 37.6294 by changing the saturation by 10% instead.



■ 115.0930, 46.2962,  
37.6294

■ 115.0930, 46.2962,  
37.6294

255.0000, 0.0000,  
0.0000

■ 87.6800, 46.0068,  
37.1146

■ 169.3770, 42.2121,  
40.8884

■ 57.4460, 47.6011,  
39.0739

■ 193.8970, 30.1238,  
44.8173

■ 36.6040, 44.5652,  
32.7963

■ 213.3230, 20.5468,  
36.5507

■ 25.2680, 37.3359,  
18.1820

■ 229.7590, 12.4438,  
22.1364

■ 14.1600, 30.9801,  
3.3677

■ 246.7820, 4.0515,  
7.2072

■ 6.0420, 23.1503,  
-5.2988

■ 4.5940, 12.5252,

-4.0289

■ 0.1140, 0.4368,  
-0.1000

■ 0.0000, 0.0000,  
0.0000

■ 115.0930, 46.2962,  
37.6294

■ 115.0930, 46.2962,  
37.6294

■ 100.3740, 53.5526,  
43.5220

■ 129.8120, 39.0397,  
31.7369

■ 85.6550, 60.8091,  
49.4146

■ 144.5310, 31.7832,  
25.8443

■ 70.9360, 68.0656,  
55.3071

■ 159.2500, 24.5267,  
19.9518

■ 62.3970, 72.2753,  
58.4108

■ 173.9690, 17.2703,  
14.0592

■ 188.6880, 10.0138,  
8.1666

■ 202.8200, 3.0467,  
2.7889

■ 217.5390, -4.2097,  
-3.1037

■ 232.2580,  
-11.4662, -8.9963

■ 242.2810,  
-16.4075, -10.7704

# Harmonies

## Analogous

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



93.0870, 74.8931, -81.6373



115.0930, 46.2962, 37.6294



90.0760, 29.0495, 109.5583

# Triad

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



115.0930, 46.2962, 37.6294



108.0350, -53.2613, 49.9583



100.3400, 23.9894, -87.9982

# Complementary

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



115.0930, 46.2962, 37.6294



168.9070, -46.2962, -37.6294

# 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.



91.1860, -6.0077, -79.9701



115.0930, 46.2962, 37.6294



103.6070, -51.0783, 2.9757

# Square

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



115.0930, 46.2962, 37.6294



100.4270, -44.0875, 94.3415



78.6580, -38.7784, -68.9831



106.1200, 51.2128, -93.0672



# Rectangle

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



115.0930, 46.2962, 37.6294



79.8430, 12.4024, 129.0567



78.6580, -38.7784, -68.9831



97.7180, 13.9430, -85.6987

# Sweetspot

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



115.0930, 46.2962, 37.6294



221.4420, 16.5441, 13.6444



120.2130, 43.7720, -39.6518



106.8020, 10.4506, 8.0666



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



115.0930, 46.2962, 37.6294



117.5230, 67.7762, 54.7923



128.5180, 31.7896, 70.5827



97.3470, 3.7729, 3.2037



50.2480, 58.0517, 47.1405



12.1490, 14.2235, 11.2703



# Inverse Universe

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



120.8800, 2.5242, 77.2812



126.0400, 3.4313, 113.0979



155.4820, -31.7896, -70.5827



97.7450, 0.1257, 6.3626



57.5280, 3.1907, 96.8839



14.0830, 0.9451, 23.6062



# Previews

## White Background



This preview shows how the YUV color 115.0930, 46.2962, 37.6294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

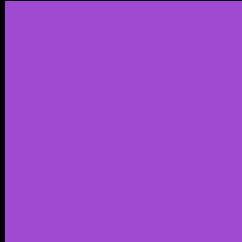
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 115.0930, 46.2962, 37.6294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

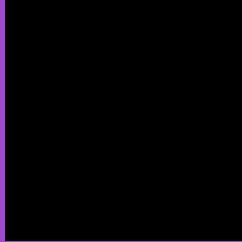
Any Text WCAG AA × Fail

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 115.0930, 46.2962, 37.6294 Background



This preview shows how black text looks on a background with the YUV color 115.0930, 46.2962, 37.6294.



This preview shows how white text looks on a background with the YUV color 115.0930, 46.2962, 37.6294.



# 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

115.0930, 46.2962, 37.6294

### Protanopia

91.3600, 70.8145, -80.1227

### Deuteranopia

103.2650, 48.1834, -54.6064



## Tritanopia

116.2740, -2.1071, 22.5617

# Trichromacy



## Original Color

115.0930, 46.2962, 37.6294



## Protanomaly

99.7460, 62.2432, -37.4882



## Deuteranomaly

107.6590, 47.4961, -20.7489



## Tritanomaly

115.6010, 15.4797, 28.4139

# Monochromacy



## Original Color

115.0930, 46.2962, 37.6294



## Achromatopsia

115.0000, 0.0000, 0.0000



## Achromatomaly

114.8550, 16.8335, 14.1592

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 115.0930, 46.2962, 37.6294 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(158, 75, 209)` looks like.

```
.text, #text, p{  
    color:rgb(158, 75, 209)  
}
```

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(158, 75, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 75, 209) }
```

## Border

The CSS property to change the border of an element to YUV 115.0930, 46.2962, 37.6294 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(158, 75, 209) }
```



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

```
.border{ border-color:rgb(158, 75, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 75, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 75, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 75, 209);  
box-shadow:4px 4px 4px 4px rgb(158, 75,  
209) }
```

# Background

The CSS property to change the background color of an element to YUV 115.0930, 46.2962, 37.6294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 75, 209) }
```

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

```
.background{ background-color: rgb(158, 75,  
209) }
```

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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