

# Converting Colors

YUV(91.6670, 42.5622, 68.6980)

Have a look what the booklet for  
YUV(91.6670, 42.5622, 68.6980)  
contains.

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# Color

**YUV(91.6670, 42.5622,  
68.6980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA23B2
RGB	170, 35, 178
RGB Percent	67%, 14%, 70%
CMY	0.3333, 0.8627, 0.3020
CMYK	0.04, 0.80, 0.00, 0.30
HSL	297°, 67%, 42%
HSV	297°, 80%, 70%
XYZ	25.2145, 12.9625, 43.2925
YIQ	91.6670, 34.5570, 73.0930

# Conversions

## Conversions Part 2

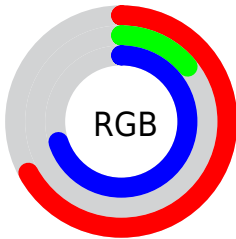
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	170, 35, 178
Decimal	11150258
CIE Lab	42.71, 68.23, -45.85
CIE LCh	43, 82.201, 326.099
Yxy	12.9625, 0.3095, 0.1591
Android (android.graphics.Color)	4289340338 (0xFFAA23B2)
YUV	91.6670, 42.5622, 68.6980
Hunter-Lab	36.0034, 62.0039, -46.0912

# Details

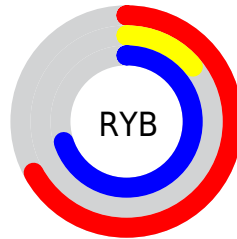
The YUV color **91.6670, 42.5622, 68.6980** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **121.3330, -42.5622, -68.6980**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.6730, 40.0942, 66.9388**, and **47.9230, 37.5060, 57.0725** is the 20% darker color. If you saturate the color by 10%, you get **80.8020, 47.9186, 77.3496**, and if you desaturate by 10%, it is **102.5320, 37.2057, 60.0464**.

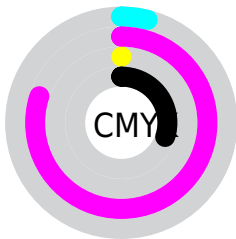
# Distribution



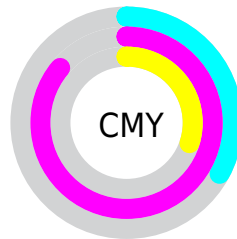
- Red (67%)
- Green (14%)
- Blue (70%)



- Red (67%)
- Yellow (14%)
- Blue (70%)



- Cyan (4%)
- Magenta (80%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (86%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 91.6670, 42.5622, 68.6980 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 91.6670, 42.5622, 68.6980 by changing the saturation by 10% instead.



91.6670, 42.5622,  
68.6980

91.6670, 42.5622,  
68.6980

255.0000, 0.0000,  
0.0000

59.3730, 45.1721,  
71.5869

152.6730, 40.0942,  
66.9388

47.9230, 37.5060,  
57.0725

179.2770, 37.3314,  
66.4091

37.0000, 30.5660,  
42.9730

196.3000, 28.9391,  
51.4799

26.0770, 23.6260,  
28.8735

212.7360, 20.8362,  
37.0655

15.0830, 17.7071,  
13.9592

230.3460, 12.1544,  
21.6216

4.3660, 11.6516,  
-3.8290

247.3690, 3.7621,

0.0000, 0.0000,

6.6924

0.0000

■ 91.6670, 42.5622,  
68.6980

■ 91.6670, 42.5622,  
68.6980

■ 80.8020, 47.9186,  
77.3496

■ 102.5320, 37.2057,  
60.0464

■ 70.5240, 52.9857,  
85.4865

■ 113.3970, 31.8493,  
51.3948

■ 123.6750, 26.7822,  
43.2580

■ 134.5400, 21.4258,  
34.6064

■ 145.4050, 16.0693,  
25.9548

■ 156.2700, 10.7129,  
17.3032

■ 167.1350, 5.3564,  
8.6516

■ 177.4130, 0.2894,  
0.5148

■ 188.2780, -5.0671,  
-8.1368

# Harmonies

## Analogous

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



91.9680, 65.5848, -35.9289



91.6670, 42.5622, 68.6980



75.6720, 18.4027, 117.8057

# Triad

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



91.6670, 42.5622, 68.6980



94.9340, -46.8025, 31.6299



93.2620, 32.4088, -81.7908

# Complementary

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



91.6670, 42.5622, 68.6980



121.3330, -42.5622, -68.6980

# 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.



84.8090, 2.5592, -74.3775



91.6670, 42.5622, 68.6980



86.3530, -42.5720, -18.7266

# Square

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



91.6670, 42.5622, 68.6980



89.6270, -44.1861, 79.2571



72.4290, -34.7215, -63.5202



97.8850, 57.7377, -85.8451



# Rectangle

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



91.6670, 42.5622, 68.6980



71.7380, -1.8428, 124.7638



72.4290, -34.7215, -63.5202



90.7540, 22.7993, -79.5913

# Sweetspot

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



91.6670, 42.5622, 68.6980



198.2310, 16.6481, 26.9844



57.1720, 59.5682, -19.4448



96.4440, 10.1341, 16.2736



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.



91.6670, 42.5622, 68.6980



97.5110, 66.3031, 107.4229



86.9910, 14.3014, 79.8149



83.7170, 2.6045, 4.6332



60.4980, 45.6035, 73.2313



10.1400, 7.8190, 12.1552



# Inverse Universe

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



78.6690, -17.5848, 87.1133



77.1590, -27.1934, 135.7956



126.0090, -14.3014, -79.8149



82.8050, -0.8899, 5.4330



46.7730, -18.6221, 93.1611



7.8880, -3.3958, 15.8842



# Previews

## White Background



This preview shows how the YUV color 91.6670, 42.5622, 68.6980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

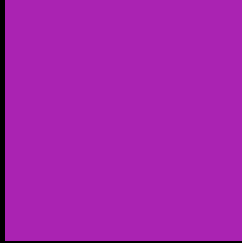
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 91.6670, 42.5622, 68.6980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

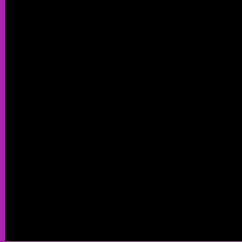
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 91.6670, 42.5622, 68.6980

## Background



This preview shows how black text looks on a background with the YUV color 91.6670, 42.5622, 68.6980.



This preview shows how white text looks on a background with the YUV color 91.6670, 42.5622,



# 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

91.6670, 42.5622, 68.6980

### Protanopia

81.2380, 62.4937, -71.2457

### Deuteranopia

96.6670, 35.1672, -33.0340



## Tritanopia

100.8000, -9.7614, 51.0414

# Trichromacy



## Original Color

91.6670, 42.5622, 68.6980



## Protanomaly

85.0210, 55.2056, -20.1894



## Deuteranomaly

94.9950, 37.9635, 3.5124



## Tritanomaly

97.1810, 9.2778, 57.7233

# Monochromacy



## Original Color

91.6670, 42.5622, 68.6980



## Achromatopsia

92.0000, 0.0000, 0.0000



## Achromatomaly

91.5790, 15.4906, 24.9252

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 91.6670, 42.5622, 68.6980 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(170, 35, 178)` looks like.

```
.text, #text, p{  
    color:rgb(170, 35, 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(170, 35, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 35, 178) }
```

## Border

The CSS property to change the border of an element to YUV 91.6670, 42.5622, 68.6980 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(170, 35, 178) }
```



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

```
.border{ border-color:rgb(170, 35, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 35, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 35, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 35, 178);  
box-shadow:4px 4px 4px 4px rgb(170, 35,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 91.6670, 42.5622, 68.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 35, 178) }
```

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

```
.background{ background-color: rgb(170, 35,  
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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