

# Converting Colors

YUV(68.5860, 45.5601, 87.1861)

Have a look what the booklet for  
YUV(68.5860, 45.5601, 87.1861)  
contains.

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# Color

**YUV(68.5860, 45.5601,  
87.1861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A800A1
RGB	168, 0, 161
RGB Percent	66%, 0%, 63%
CMY	0.3412, 1.0000, 0.3686
CMYK	0.00, 1.00, 0.04, 0.34
HSL	302°, 100%, 33%
HSV	302°, 100%, 66%
XYZ	22.5815, 10.8980, 34.6316
YIQ	68.5860, 48.4470, 85.6870

# Conversions

## Conversions Part 2

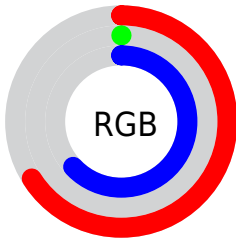
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 0, 161
Decimal	11010209
CIE <sub>Lab</sub>	39.41, 70.85, -40.99
CIE <sub>LCh</sub>	39, 81.851, 329.948
Yxy	10.8980, 0.3315, 0.1600
Android (android.graphics.Color)	4289200289 (0xFFA800A1)
YUV	68.5860, 45.5601, 87.1861
Hunter-Lab	33.0122, 64.3289, -39.0899

# Details

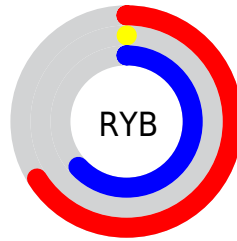
The YUV color **68.5860, 45.5601, 87.1861** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **99.4140, -45.5601, -87.1861**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.2180, 36.8675, 75.2308**, and **45.6150, 31.2488, 57.3426** is the 20% darker color. If you saturate the color by 10%, you get **68.5860, 45.5601, 87.1861**, and if you desaturate by 10%, it is **78.6790, 41.0773, 78.3345**.

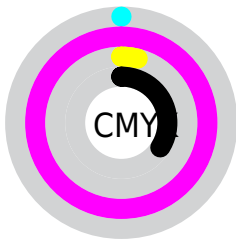
# Distribution



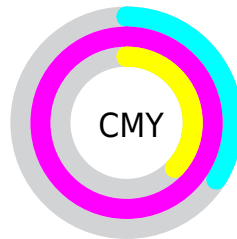
- Red (66%)
- Green (0%)
- Blue (63%)



- Red (66%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.5860, 45.5601, 87.1861 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 68.5860, 45.5601, 87.1861 by changing the saturation by 10% instead.



68.5860, 45.5601,  
87.1861

68.5860, 45.5601,  
87.1861

255.0000, 0.0000,  
0.0000

56.8370, 38.0414,  
72.0570

141.2180, 36.8675,  
75.2308

45.6150, 31.2488,  
57.3426

169.9190, 37.0149,  
74.6160

34.3930, 24.4563,  
42.6283

188.0820, 32.9906,  
58.6871

24.1820, 17.6583,  
29.6584

205.1050, 24.5982,  
43.7579

12.5900, 12.0341,  
13.5146

222.1280, 16.2059,  
28.8287

2.0690, 5.3890,  
-1.8145

239.7380, 7.5242,

0.0000, 0.0000,

13.3848

0.0000

■ 68.5860, 45.5601,  
87.1861

■ 78.6790, 41.0773,  
78.3345

■ 88.6580, 36.1576,  
69.5829

■ 98.1640, 31.9641,  
61.2462

■ 108.2570, 27.4813,  
52.3946

■ 118.2360, 22.5617,  
43.6430

■ 128.3290, 18.0788,  
34.7915

■ 138.4220, 13.5960,  
25.9399

■ 147.9280, 9.4025,  
17.6031

■ 157.9070, 4.4828,  
8.8516

# Harmonies

## Analogous

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



87.8240, 60.7258, -17.3856



68.5860, 45.5601, 87.1861



71.0430, 12.3038, 113.9723

# Triad

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



68.5860, 45.5601, 87.1861



87.5030, -43.1390, 23.2379



87.9790, 35.0134, -77.1576

# Complementary

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



68.5860, 45.5601, 87.1861



99.4140, -45.5601, -87.1861

# 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.



79.6400, 5.6005, -69.8443



68.5860, 45.5601, 87.1861



75.3670, -37.1559, -29.2629

# Square

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



68.5860, 45.5601, 87.1861



83.0820, -40.9594, 70.9651



68.6450, -28.9120, -60.2017



92.0320, 58.1582, -80.7121



# Rectangle

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



68.5860, 45.5601, 87.1861



66.1410, -6.4785, 118.2713



68.6450, -28.9120, -60.2017



85.4710, 25.4038, -74.9581

# Sweetspot

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



68.5860, 45.5601, 87.1861



180.6170, 17.9368, 33.6619



20.9460, 72.4976, -13.1076



86.2920, 10.7020, 20.7919



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



68.5860, 45.5601, 87.1861



89.4210, 59.4454, 113.6408



59.1240, 9.3059, 95.4843



79.3040, 2.3151, 4.1184



60.4400, 40.2091, 76.7901



8.2600, 5.7878, 10.2960



# Inverse Universe

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



68.5860, 45.5601, 87.1861



89.4210, 59.4454, 113.6408



108.8760, -9.3059, -95.4843



79.3040, 2.3151, 4.1184



60.4400, 40.2091, 76.7901



8.2600, 5.7878, 10.2960



# Previews

## White Background



This preview shows how the YUV color 68.5860, 45.5601, 87.1861 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 68.5860, 45.5601, 87.1861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

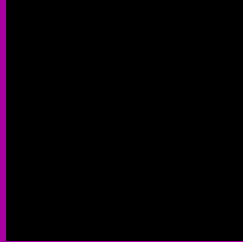
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.5860, 45.5601, 87.1861

## Background



This preview shows how black text looks on a background with the YUV color 68.5860, 45.5601, 87.1861.



This preview shows how white text looks on a background with the YUV color 68.5860, 45.5601,



# 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



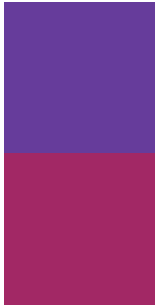
### Deuteranopia

92.1150, 29.0303, -24.6569

### Tritanopia

91.8610, -12.2565, 58.0039

# Trichromacy



## Deuteranomaly

83.3880, 35.3047, 16.3227

## Tritanomaly

83.4320, 8.6610, 68.9041

# Monochromacy



## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

68.8510, 16.3425, 31.7027

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.5860, 45.5601, 87.1861 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(168, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 161)  
}
```

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(168, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 161) }
```

## Border

The CSS property to change the border of an element to YUV 68.5860, 45.5601, 87.1861 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(168, 0, 161) }
```

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

```
.border{ border-color:rgb(168, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
161) }
```



# Background

The CSS property to change the background color of an element to YUV 68.5860, 45.5601, 87.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 161) }
```

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

```
.background{ background-color: rgb(168, 0,  
161) }
```

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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