

# Converting Colors

YUV(65.9330, 45.3890, 1.8128)

Have a look what the booklet for  
YUV(65.9330, 45.3890, 1.8128)  
contains.

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# Color

**YUV(65.9330, 45.3890,  
1.8128)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	442F9E
RGB	68, 47, 158
RGB Percent	27%, 18%, 62%
CMY	0.7333, 0.8157, 0.3804
CMYK	0.57, 0.70, 0.00, 0.38
HSL	251°, 54%, 40%
HSV	251°, 70%, 62%
XYZ	9.5720, 5.7306, 32.9494
YIQ	65.9330, -23.1150, 38.9730

# Conversions

## Conversions Part 2

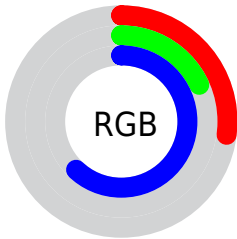
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	68, 47, 158
Decimal	4468638
CIE Lab	28.72, 39.86, -57.17
CIE LCh	29, 69.689, 304.884
Yxy	5.7306, 0.1984, 0.1188
Android (android.graphics.Color)	4282658718 (0xFF442F9E)
YUV	65.9330, 45.3890, 1.8128
Hunter-Lab	23.9387, 29.4813, -64.8502

# Details

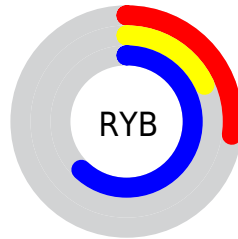
The YUV color **65.9330, 45.3890, 1.8128** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **139.0670, -45.3890, -1.8128**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.5360, 47.5568, 6.5459**, and **13.1440, 45.2850, -11.5273** is the 20% darker color. If you saturate the color by 10%, you get **52.6540, 51.9356, 2.0574**, and if you desaturate by 10%, it is **79.2120, 38.8425, 1.5681**.

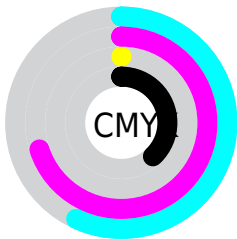
# Distribution



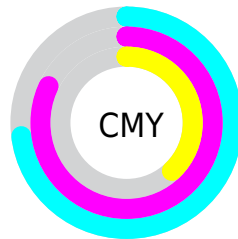
- Red (27%)
- Green (18%)
- Blue (62%)



- Red (27%)
- Yellow (18%)
- Blue (62%)



- Cyan (57%)
- Magenta (70%)
- Yellow (0%)
- Black (38%)



- Cyan (73%)
- Magenta (82%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 65.9330, 45.3890, 1.8128 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 65.9330, 45.3890, 1.8128 by changing the saturation by 10% instead.



■ 65.9330, 45.3890,  
1.8128

■ 65.9330, 45.3890,  
1.8128

■ 255.0000, 0.0000,  
0.0000

■ 39.7860, 44.9685,  
-3.3203

■ 117.5360, 47.5568,  
6.5459

■ 13.1440, 45.2850,  
-11.5273

■ 143.7750, 48.4249,  
8.0903

■ 9.2340, 35.3806,  
-8.0982

■ 169.1900, 42.3043,  
11.2344

■ 9.3190, 23.0137,  
-8.1728

■ 193.7100, 30.2160,  
15.1633

■ 5.0500, 14.2723,  
-4.4289

■ 219.1160, 17.6908,  
19.1923

■ 0.9120, 3.4944,  
-0.7998

■ 239.7380, 7.5242,

■ 0.0000, 0.0000,

13.3848

0.0000

■ 65.9330, 45.3890,  
1.8128

■ 65.9330, 45.3890,  
1.8128

■ 52.6540, 51.9356,  
2.0574

■ 79.2120, 38.8425,  
1.5681

■ 39.3750, 58.4821,  
2.3021

■ 92.4910, 32.2959,  
1.3234

■ 26.9820, 64.5919,  
2.6468

■ 104.8840, 26.1862,  
0.9787

■ 118.1630, 19.6396,  
0.7340

■ 131.4420, 13.0931,  
0.4894

■ 144.7210, 6.5465,  
0.2447

■ 158.0000, 0.0000,  
0.0000

■ 170.3930, -6.1097,  
-0.3447

■ 183.6720,  
-12.6563, -0.5893

# Harmonies

## Analogous

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



63.1430, 56.6245, -55.3764



65.9330, 45.3890, 1.8128



53.4750, 30.3318, 71.4974

# Triad

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



65.9330, 45.3890, 1.8128



61.6970, -30.4166, 49.3777



60.3200, 7.7302, -52.9006

# Complementary

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



65.9330, 45.3890, 1.8128



139.0670, -45.3890, -1.8128

# 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.



52.1920, -18.3357, -45.7724



65.9330, 45.3890, 1.8128



63.2270, -31.1709, 11.2019

# Square

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



65.9330, 45.3890, 1.8128



44.7510, -18.6112, 89.6724



46.9600, -23.1513, -41.1839



66.3620, 30.8805, -58.1995



# Rectangle

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



65.9330, 45.3890, 1.8128



54.7530, 11.9538, 86.1626



46.9600, -23.1513, -41.1839



57.5670, -0.2795, -50.4863

# Sweetspot

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



65.9330, 45.3890, 1.8128



170.4080, 18.0399, 0.5192



113.0710, 22.1500, -57.9443



82.5730, 11.0565, 0.3745



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



65.9330, 45.3890, 1.8128



62.7030, 71.1384, 2.8915



82.3780, 37.2816, 35.6255



72.5100, 3.1996, 0.4297



24.3750, 58.4821, 2.3021



2.6070, 6.1097, 0.3447



# Inverse Universe

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



90.4490, 22.9496, 59.2422



101.1000, 35.9397, 92.8743



122.6220, -37.2816, -35.6255



74.1900, 1.8783, 4.2184



55.9810, 29.5894, 76.3157



5.8530, 3.0305, 8.0219



# Previews

## White Background



This preview shows how the YUV color 65.9330, 45.3890, 1.8128 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 ✓ Pass



# Black Background



This preview shows how the YUV color 65.9330, 45.3890, 1.8128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

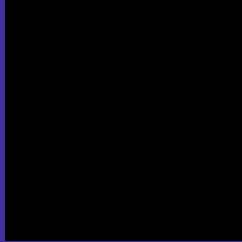
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 65.9330, 45.3890, 1.8128

## Background



This preview shows how black text looks on a background with the YUV color 65.9330, 45.3890, 1.8128.



This preview shows how white text looks on a background with the YUV color 65.9330, 45.3890,



# 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

65.9330, 45.3890, 1.8128

### Protanopia

54.4740, 41.1783, -47.7737

### Deuteranopia

54.6560, 31.7216, -47.9333



## Tritanopia

62.9200, 7.9274, -22.7318

# Trichromacy



## Original Color

65.9330, 45.3890, 1.8128

## Protanomaly

58.6380, 42.5765, -29.5005

## Deuteranomaly

59.0310, 36.4667, -29.8452

## Tritanomaly

64.2320, 21.5776, -14.2355

# Monochromacy



## Original Color

65.9330, 45.3890, 1.8128

## Achromatopsia

66.0000, 0.0000, 0.0000

## Achromatomaly

65.9520, 16.2927, 0.9191

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 65.9330, 45.3890, 1.8128 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(68, 47, 158)` looks like.

```
.text, #text, p{  
    color:rgb(68, 47, 158)  
}
```

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(68, 47, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 47, 158) }
```

## Border

The CSS property to change the border of an element to YUV 65.9330, 45.3890, 1.8128 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(68, 47, 158) }
```



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

```
.border{ border-color:rgb(68, 47, 158) }
```

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

Here you see how a box with a 4 pixel rgb(68, 47, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 47, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 47, 158);  
box-shadow:4px 4px 4px 4px rgb(68, 47,  
158) }
```

# Background

The CSS property to change the background color of an element to YUV 65.9330, 45.3890, 1.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 47, 158) }
```

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

```
.background{ background-color: rgb(68, 47,  
158) }
```

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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