

# Converting Colors

YUV(65.0190, 82.3216, 56.1113)

Have a look what the booklet for  
YUV(65.0190, 82.3216, 56.1113)  
contains.

<b>YUV(65.0190, 82.3216, 56.1113)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	30

# Color

**YUV(65.0190, 82.3216,  
56.1113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8100E8
RGB	129, 0, 232
RGB Percent	51%, 0%, 91%
CMY	0.4941, 1.0000, 0.0902
CMYK	0.44, 1.00, 0.00, 0.09
HSL	273°, 100%, 45%
HSV	273°, 100%, 91%
XYZ	23.6187, 10.4933, 77.1245
YIQ	65.0190, 2.4120, 99.5000

# Conversions

## Conversions Part 2

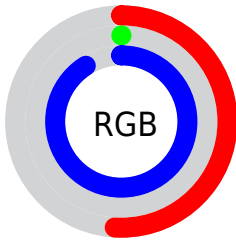
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 0, 232
Decimal	8454376
CIE <sub>Lab</sub>	38.71, 78.51, -83.95
CIE <sub>LCh</sub>	39, 114.941, 313.084
Yxy	10.4933, 0.2123, 0.0943
Android (android.graphics.Color)	4286644456 (0xFF8100E8)
YUV	65.0190, 82.3216, 56.1113
Hunter-Lab	32.3934, 73.4599, -118.4865

# Details

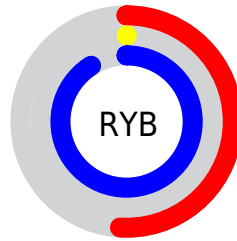
The YUV color **65.0190, 82.3216, 56.1113** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **166.9810, -82.3216, -56.1113**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.7260, 59.7881, 50.2293**, and **38.7870, 67.1530, 21.2348** is the 20% darker color. If you saturate the color by 10%, you get **65.0190, 82.3216, 56.1113**, and if you desaturate by 10%, it is **81.5100, 74.1916, 50.4187**.

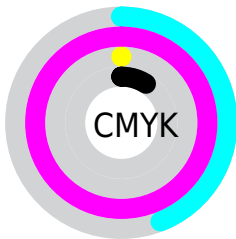
# Distribution



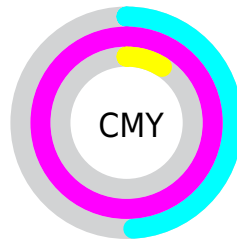
- Red (51%)
- Green (0%)
- Blue (91%)



- Red (51%)
- Yellow (0%)
- Blue (91%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (100%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 65.0190, 82.3216, 56.1113 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 65.0190, 82.3216, 56.1113 by changing the saturation by 10% instead.



65.0190, 82.3216,  
56.1113

65.0190, 82.3216,  
56.1113

255.0000, 0.0000,  
0.0000

52.1450, 74.3715,  
39.3378

133.7260, 59.7881,  
50.2293

38.7870, 67.1530,  
21.2348

160.0180, 46.8261,  
54.3582

20.3460, 62.4404,  
-7.3194

186.3100, 33.8642,  
58.4871

13.6800, 52.4158,  
-11.9974

203.3440, 25.4664,  
45.3023

10.7160, 41.0590,  
-9.3979

220.3670, 17.0741,  
30.3731

12.5620, 27.8239,  
-11.0169

237.9770, 8.3923,

7.5920, 18.9351,

14.9292

-6.6582

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,  
0.0000

■ 65.0190, 82.3216,  
56.1113

■ 81.5100, 74.1916,  
50.4187

■ 98.3000, 65.9141,  
45.3409

■ 115.3780, 57.4946,  
39.1335

■ 131.8690, 49.3646,  
33.4409

■ 148.6590, 41.0871,  
28.3631

■ 165.1500, 32.9570,  
22.6704

■ 181.6410, 24.8270,  
16.9778

■ 198.7190, 16.4075,  
10.7704

■ 215.5090, 8.1301,  
5.6926

# Harmonies

## Analogous

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



84.8350, 83.8913, -74.4003



65.0190, 82.3216, 56.1113



82.6520, 32.2166, 120.4542

# Triad

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



65.0190, 82.3216, 56.1113



83.9020, -41.3637, 60.5989



86.0750, 22.6410, -75.4878

# Complementary

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



65.0190, 82.3216, 56.1113



166.9810, -82.3216, -56.1113

# 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.



73.0450, -22.2072, -64.0605



65.0190, 82.3216, 56.1113



81.1140, -39.9892, -7.1160

# Square

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



65.0190, 82.3216, 56.1113



62.7900, -30.9555, 129.1032



66.9180, -32.9906, -58.6871



97.9820, 60.6479, -85.9302



# Rectangle

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



65.0190, 82.3216, 56.1113



81.0800, 2.9186, 137.6188



66.9180, -32.9906, -58.6871



81.7260, 8.5161, -71.6737

# Sweetspot

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



65.0190, 82.3216, 56.1113



200.2220, 27.0056, 18.2223



87.4960, 71.2405, -76.7340



94.7190, 16.4075, 10.7704



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.



65.0190, 82.3216, 56.1113



71.5280, 90.4517, 61.8039



94.4480, 61.8971, 120.6331



106.4610, 4.2097, 3.1037



50.0070, 63.5935, 42.9669



14.1860, 18.1493, 12.1149



# Inverse Universe

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



81.1100, 10.7918, 132.3305



89.1270, 11.7694, 145.4706



137.5520, -61.8971, -120.6331



107.1580, 0.4151, 6.8774



62.5270, 8.1212, 102.1468



17.8710, 2.5286, 29.0541



# Previews

## White Background



This preview shows how the YUV color 65.0190, 82.3216, 56.1113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

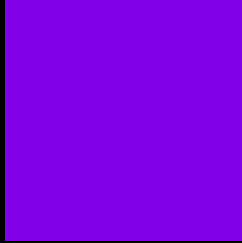
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 65.0190, 82.3216, 56.1113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

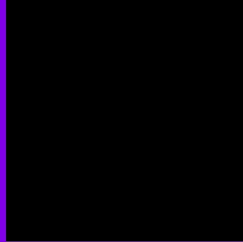
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 65.0190, 82.3216, 56.1113

## Background



This preview shows how black text looks on a background with the YUV color 65.0190, 82.3216, 56.1113.



This preview shows how white text looks on a background with the YUV color 65.0190, 82.3216,



# 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



### Protanopia

74.2620, 56.0728, -65.1278

### Deuteranopia

74.2330, 43.2691, -65.1023

### Tritanopia

93.0050, 2.4625, 3.5036

# Trichromacy



## Protanomaly

70.7680, 65.6834, -20.8445

## Deuteranomaly

70.5910, 57.3896, -20.6893

## Tritanomaly

82.8080, 31.6467, 22.9704

# Monochromacy



## Achromatopsia

65.0000, 0.0000, 0.0000

## Achromatomaly

64.7430, 30.1997, 20.3964

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 65.0190, 82.3216, 56.1113 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(129, 0, 232)` looks like.

```
.text, #text, p{  
  color:rgb(129, 0, 232)  
}
```

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(129, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 232) }
```

## Border

The CSS property to change the border of an element to YUV 65.0190, 82.3216, 56.1113 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(129, 0, 232) }
```

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

```
.border{ border-color:rgb(129, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
232) }
```



# Background

The CSS property to change the background color of an element to YUV 65.0190, 82.3216, 56.1113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 232) }
```

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

```
.background{ background-color: rgb(129, 0,  
232) }
```

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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