

# Converting Colors

YUV(127.5090, 35.2451,  
35.5106)

Have a look what the booklet for  
YUV(127.5090, 35.2451, 35.5106)  
contains.

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# Color

**YUV(127.5090, 35.2451,  
35.5106)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A85DC7
RGB	168, 93, 199
RGB Percent	66%, 36%, 78%
CMY	0.3412, 0.6353, 0.2196
CMYK	0.16, 0.53, 0.00, 0.22
HSL	282°, 49%, 57%
HSV	282°, 53%, 78%
XYZ	30.3716, 20.2771, 56.3459
YIQ	127.5090, 10.6740, 48.8660

# Conversions

## Conversions Part 2

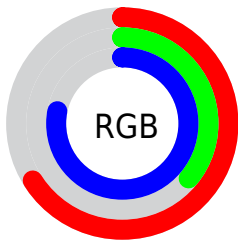
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 93, 199
Decimal	11034055
CIE <sub>Lab</sub>	52.15, 48.09, -43.07
CIE <sub>LCh</sub>	52, 64.556, 318.149
Yxy	20.2771, 0.2839, 0.1895
Android (android.graphics.Color)	4289224135 (0xFFA85DC7)
YUV	127.5090, 35.2451, 35.5106
Hunter-Lab	45.0300, 41.5910, -42.6683

# Details

The YUV color  $127.5090, 35.2451, 35.5106$  is a light color, and the websafe version is hex  $9966CC$ . The color can be described as light muted purple. A complement of this color would be  $164.4910, -35.2451, -35.5106$ , and the grayscale version is  $127.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $182.0470, 35.9658, 37.6698$ , and  $74.2700, 34.3769, 33.9662$  is the 20% darker color. If you saturate the color by 10%, you get  $113.9750, 41.9173, 42.1179$ , and if you desaturate by 10%, it is  $141.0430, 28.5728, 28.9033$ .

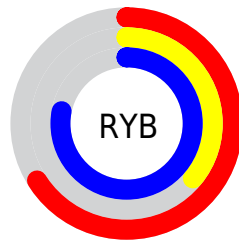
# Distribution



Red (66%)

Green (36%)

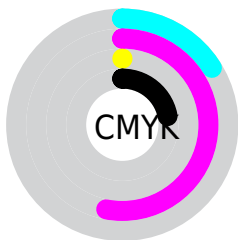
Blue (78%)



Red (66%)

Yellow (36%)

Blue (78%)

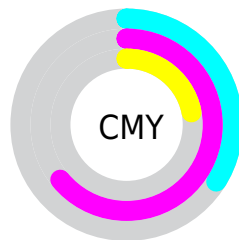


Cyan (16%)

Magenta (53%)

Yellow (0%)

Black (22%)



Cyan (34%)

Magenta (64%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 127.5090, 35.2451, 35.5106 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 127.5090, 35.2451, 35.5106 by changing the saturation by 10% instead.



127.5090, 35.2451,  
35.5106

127.5090, 35.2451,  
35.5106

255.0000, 0.0000,  
0.0000

100.6830, 34.6663,  
34.4810

182.0470, 35.9658,  
37.6698

74.2700, 34.3769,  
33.9662

206.8660, 23.7301,  
42.2135

45.9220, 35.5345,  
36.0254

223.3020, 15.6271,  
27.7991

28.5420, 31.7778,  
27.5887

240.3250, 7.2348,  
12.8700

18.9290, 24.6850,  
15.8483

5.2440, 20.0927,  
-4.5990

3.3230, 10.1938,

-2.9143

■ 0.0000, 0.0000,  
0.0000

■ 127.5090, 35.2451,  
35.5106

■ 127.5090, 35.2451,  
35.5106

■ 113.9750, 41.9173,  
42.1179

■ 141.0430, 28.5728,  
28.9033

■ 100.4410, 48.5896,  
48.7252

■ 154.5770, 21.9005,  
22.2960

■ 87.2060, 55.1144,  
55.9473

■ 167.8120, 15.3757,  
15.0739

■ 73.6720, 61.7867,  
62.5547

■ 181.3460, 8.7034,  
8.4666

■ 64.8450, 66.1384,  
66.7879

■ 194.8800, 2.0312,  
1.8592

■ 207.8270, -4.3517,  
-4.2333

■ 221.3610,  
-11.0240, -10.8406

■ 234.8950,  
-17.6962, -17.4479

■ 238.1510,  
-19.3014, -15.9184

# Harmonies

## Analogous

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



117.0030, 55.7075, -41.2216



127.5090, 35.2451, 35.5106



120.2900, 14.1540, 80.4297

# Triad

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



127.5090, 35.2451, 35.5106



117.1500, -57.7549, 44.5955



105.3610, 25.4580, -92.4016

# Complementary

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



127.5090, 35.2451, 35.5106



164.4910, -35.2451, -35.5106

# 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.



98.2760, 0.8499, -86.1881



127.5090, 35.2451, 35.5106



112.7660, -55.5936, 4.5902

# Square

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



127.5090, 35.2451, 35.5106



118.0270, -37.4813, 75.3983



101.9990, -29.0865, -50.8651



109.7730, 47.4399, -96.2709



# Rectangle

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



127.5090, 35.2451, 35.5106



116.7140, -2.3240, 92.3358



101.9990, -29.0865, -50.8651



103.1950, 17.1589, -90.5020

# Sweetspot

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



127.5090, 35.2451, 35.5106



227.3450, 13.6339, 13.7294



123.8680, 37.0401, -27.0712



110.9330, 8.4140, 7.9518



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.



127.5090, 35.2451, 35.5106



144.9670, 54.2463, 54.4029



134.3840, 21.5027, 56.6682



93.1190, 2.8993, 3.4036



52.9670, 54.2463, 54.4029



11.5790, 12.0396, 11.7702



# Inverse Universe

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



128.2280, -2.0844, 62.0670



146.2090, -3.0610, 95.4097



157.6160, -21.5027, -56.6682



92.9190, -0.4531, 5.3330



54.2090, -3.0610, 95.4097



11.9040, -0.9387, 21.1322



# Previews

## White Background



This preview shows how the YUV color 127.5090, 35.2451, 35.5106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

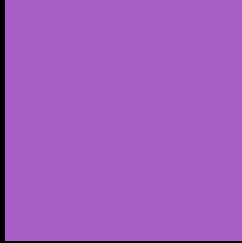
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 127.5090, 35.2451, 35.5106 looks on a black 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

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

# YUV 127.5090, 35.2451, 35.5106

## Background



This preview shows how black text looks on a background with the YUV color 127.5090, 35.2451, 35.5106.



This preview shows how white text looks on a background with the YUV color 127.5090, 35.2451, 35.5106.



# 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

127.5090, 35.2451, 35.5106

### Protanopia

118.8030, 52.3551, -39.2922

### Deuteranopia

121.7000, 35.1509, -27.8009



## Tritanopia

126.7690, -2.8441, 25.6356

# Trichromacy



## Original Color

127.5090, 35.2451, 35.5106



## Protanomaly

122.0730, 46.3060, -12.3420



## Deuteranomaly

123.8430, 35.0804, -5.1243



## Tritanomaly

127.0480, 10.8223, 28.8989

# Monochromacy



## Original Color

127.5090, 35.2451, 35.5106



## Achromatopsia

128.0000, 0.0000, 0.0000



## Achromatomaly

127.8180, 12.9077, 13.3146

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 127.5090, 35.2451, 35.5106 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, 93, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 93, 199)  
}
```

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, 93, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 93, 199) }
```

## Border

The CSS property to change the border of an element to YUV 127.5090, 35.2451, 35.5106 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, 93, 199) }
```



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

```
.border{ border-color:rgb(168, 93, 199) }
```

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

Here you see how a box with a 4 pixel rgb(168, 93, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 93, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 93, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 93,  
199) }
```

# Background

The CSS property to change the background color of an element to YUV 127.5090, 35.2451, 35.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 93, 199) }
```

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

```
.background{ background-color: rgb(168, 93,  
199) }
```

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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