

# Converting Colors

YUV(98.0750, 67.0110, 20.1052)

Have a look what the booklet for  
YUV(98.0750, 67.0110, 20.1052)  
contains.

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# Color

**YUV(98.0750, 67.0110,  
20.1052)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	793CEA
RGB	121, 60, 234
RGB Percent	47%, 24%, 92%
CMY	0.5255, 0.7647, 0.0824
CMYK	0.48, 0.74, 0.00, 0.08
HSL	261°, 81%, 58%
HSV	261°, 74%, 92%
XYZ	24.3523, 13.2372, 79.1134
YIQ	98.0750, -19.4980, 67.0460

# Conversions

## Conversions Part 2

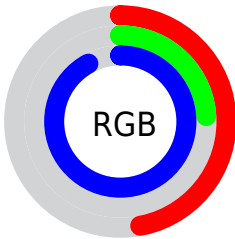
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 60, 234
Decimal	7945450
CIE <sub>Lab</sub>	43.12, 62.75, -77.87
CIE <sub>LCh</sub>	43, 100.007, 308.861
Yxy	13.2372, 0.2087, 0.1134
Android (android.graphics.Color)	4286135530 (0xFF793CEA)
YUV	98.0750, 67.0110, 20.1052
Hunter-Lab	36.3829, 55.8058, -103.4560

# Details

The YUV color **98.0750, 67.0110, 20.1052** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **195.9250, -67.0110, -20.1052**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **149.8190, 51.8542, 28.2227**, and **36.6230, 69.2059, 16.1166** is the 20% darker color. If you saturate the color by 10%, you get **80.0890, 75.8781, 22.7239**, and if you desaturate by 10%, it is **116.0610, 58.1439, 17.4865**.

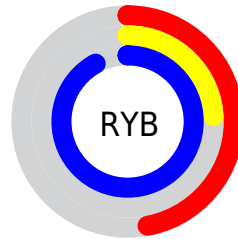
# Distribution



Red (47%)

Green (24%)

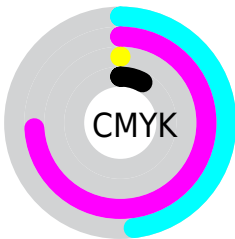
Blue (92%)



Red (47%)

Yellow (24%)

Blue (92%)

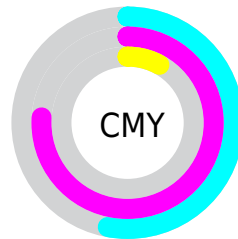


Cyan (48%)

Magenta (74%)

Yellow (0%)

Black (8%)



Cyan (53%)

Magenta (76%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 98.0750, 67.0110, 20.1052 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 98.0750, 67.0110, 20.1052 by changing the saturation by 10% instead.



■ 98.0750, 67.0110,  
20.1052

■ 98.0750, 67.0110,  
20.1052

■ 255.0000, 0.0000,  
0.0000

■ 69.0640, 67.0164,  
18.3609

■ 149.8190, 51.8542,  
28.2227

■ 36.6230, 69.2059,  
16.1166

■ 174.6380, 39.6185,  
32.7665

■ 16.9860, 65.0829,  
-14.8967

■ 200.3430, 26.9459,  
37.4102

■ 14.0220, 53.7262,  
-12.2973

■ 220.3670, 17.0741,  
30.3731

■ 11.0580, 42.3694,  
-9.6979

■ 237.3900, 8.6817,  
15.4440

■ 12.9040, 29.1343,  
-11.3168

■ 254.4130, 0.2894,

■ 7.8200, 19.8087,

0.5148

-6.8581

■ 3.5510, 11.0674,  
-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 98.0750, 67.0110,  
20.1052

■ 98.0750, 67.0110,  
20.1052

■ 80.0890, 75.8781,  
22.7239

■ 116.0610, 58.1439,  
17.4865

■ 61.5160, 85.0346,  
25.8575

■ 134.6340, 48.9874,  
14.3530

■ 51.1940, 90.1234,  
27.0169

■ 152.9190, 39.9729,  
12.3490

■ 171.4920, 30.8164,  
9.2155

189.4780, 21.9493,  
6.5968

207.4640, 13.0822,  
3.9781

226.0370, 3.9258,  
0.8446

244.3220, -5.0887,  
-1.1594

252.6060, -9.1728,  
2.0995

# Harmonies

## Analogous

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



92.4660, 80.1293, -81.0927



98.0750, 67.0110, 20.1052



82.0840, 40.3846, 113.9363

# Triad

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



98.0750, 67.0110, 20.1052



93.6810, -46.1847, 66.9318



91.8480, 16.8369, -80.5507

# Complementary

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



98.0750, 67.0110, 20.1052



195.9250, -67.0110, -20.1052

# 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.



79.5990, -22.4803, -69.8083



98.0750, 67.0110, 20.1052



93.6060, -46.1478, 8.2385

# Square

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



98.0750, 67.0110, 20.1052



65.1820, -32.1347, 134.0214



71.6140, -35.3057, -62.8055



101.5550, 51.4914, -89.0637



# Rectangle

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



98.0750, 67.0110, 20.1052



82.3920, 13.1177, 132.9602



71.6140, -35.3057, -62.8055



87.8410, 4.0224, -77.0366

# Sweetspot

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



98.0750, 67.0110, 20.1052



211.3640, 21.5125, 6.6968



146.1670, 43.3017, -75.5685



101.4640, 13.0822, 3.9781



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.



98.0750, 67.0110, 20.1052



77.7980, 87.3606, 26.4872



124.0880, 54.1866, 73.5908



108.4500, 4.2152, 1.3594



39.4710, 69.7738, 20.6349



11.8370, 20.7864, 6.2820



# Inverse Universe

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



124.9080, 23.7094, 95.6737



112.6310, 30.7479, 124.8576



169.9120, -54.1866, -73.5908



110.0870, 1.4361, 6.0627



67.5710, 24.8615, 99.4772

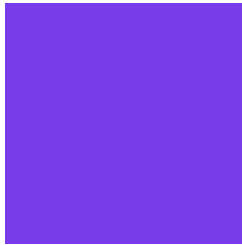


20.1360, 7.3280, 29.6987



# Previews

## White Background



This preview shows how the YUV color 98.0750, 67.0110, 20.1052 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 98.0750, 67.0110, 20.1052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

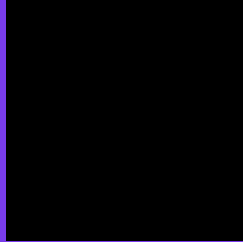
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 98.0750, 67.0110, 20.1052

## Background



This preview shows how black text looks on a background with the YUV color 98.0750, 67.0110, 20.1052.



This preview shows how white text looks on a background with the YUV color 98.0750, 67.0110,



# 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

98.0750, 67.0110, 20.1052

### Protanopia

81.1240, 62.0569, -71.1457

### Deuteranopia

81.3400, 47.6534, -71.3352



## Tritanopia

100.1280, 5.8529, -10.6363

# Trichromacy



## Original Color

98.0750, 67.0110, 20.1052

## Protanomaly

87.2020, 63.9904, -37.8882

## Deuteranomaly

87.3840, 54.5337, -38.0478

## Tritanomaly

99.3400, 27.9334, 0.5788

# Monochromacy



## Original Color

98.0750, 67.0110, 20.1052

## Achromatopsia

98.0000, 0.0000, 0.0000

## Achromatomaly

97.7600, 24.2753, 7.2265

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 98.0750, 67.0110, 20.1052 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(121, 60, 234)` looks like.

```
.text, #text, p{  
    color:rgb(121, 60, 234)  
}
```

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(121, 60, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 60, 234) }
```

## Border

The CSS property to change the border of an element to YUV 98.0750, 67.0110, 20.1052 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(121, 60, 234) }
```



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

```
.border{ border-color:rgb(121, 60, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 60, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 60, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 60, 234);  
box-shadow:4px 4px 4px 4px rgb(121, 60,  
234) }
```

# Background

The CSS property to change the background color of an element to YUV 98.0750, 67.0110, 20.1052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 60, 234) }
```

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

```
.background{ background-color: rgb(121, 60,  
234) }
```

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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