

# Converting Colors

YUV(87.5710, 17.9595, 73.1672)

Have a look what the booklet for  
YUV(87.5710, 17.9595, 73.1672)  
contains.

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# Color

**YUV(87.5710, 17.9595,  
73.1672)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB267C
RGB	171, 38, 124
RGB Percent	67%, 15%, 49%
CMY	0.3294, 0.8510, 0.5137
CMYK	0.00, 0.78, 0.27, 0.33
HSL	321°, 64%, 41%
HSV	321°, 78%, 67%
XYZ	21.1258, 11.4994, 20.1749
YIQ	87.5710, 51.6620, 54.9420

# Conversions

## Conversions Part 2

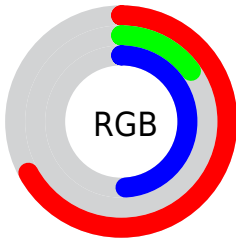
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 38, 124
Decimal	11216508
CIE <sub>Lab</sub>	40.41, 59.73, -16.76
CIE <sub>LCh</sub>	40, 62.038, 344.324
Yxy	11.4994, 0.4001, 0.2178
Android (android.graphics.Color)	4289406588 (0xFFAB267C)
YUV	87.5710, 17.9595, 73.1672
Hunter-Lab	33.9107, 51.8585, -11.5366

# Details

The YUV color **87.5710, 17.9595, 73.1672** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **121.4290, -17.9595, -73.1672**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.8870, 15.3387, 73.7671**, and **42.6360, 15.9555, 62.5862** is the 20% darker color. If you saturate the color by 10%, you get **76.9080, 20.2584, 82.5187**, and if you desaturate by 10%, it is **98.2340, 15.6606, 63.8158**.

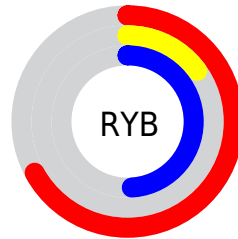
# Distribution



Red (67%)

Green (15%)

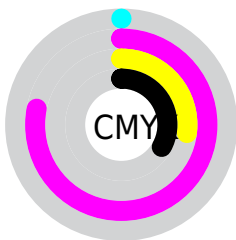
Blue (49%)



Red (67%)

Yellow (15%)

Blue (49%)

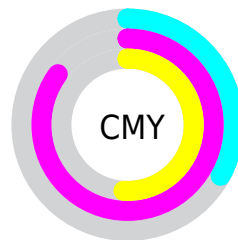


Cyan (0%)

Magenta (78%)

Yellow (27%)

Black (33%)



Cyan (33%)

Magenta (85%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 87.5710, 17.9595, 73.1672 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 87.5710, 17.9595, 73.1672 by changing the saturation by 10% instead.




 87.5710, 17.9595,  
73.1672


 87.5710, 17.9595,  
73.1672


255.0000, 0.0000,  
0.0000

 53.7440, 22.3112,  
77.4005


 145.8870, 15.3387,  
73.7671


 42.6360, 15.9555,  
62.5862


 172.8760, 15.3441,  
72.0227


 31.9410, 9.8891,  
48.2867


 192.5040, 19.4715,  
54.8090

 22.0720, 4.4015,  
35.0169

 212.1490, 21.1255,  
37.5803

 9.6820, -4.2802,  
19.5729

 229.1720, 12.7332,  
22.6512

 0.0000, 0.0000,  
0.0000

 246.1950, 4.3409,

7.7220

■ 87.5710, 17.9595,  
73.1672

■ 87.5710, 17.9595,  
73.1672

■ 76.9080, 20.2584,  
82.5187

■ 98.2340, 15.6606,  
63.8158

■ 66.2450, 22.5572,  
91.8701

■ 108.8970, 13.3618,  
54.4643

■ 63.7830, 23.2780,  
94.0293

■ 119.5600, 11.0629,  
45.1129

■ 130.2230, 8.7641,  
35.7614

■ 140.8860, 6.4652,  
26.4100

■ 152.1360, 3.8770,  
16.5437

■ 162.7990, 1.5781,  
7.1923

■ 173.4620, -0.7208,  
-2.1592

■ 184.1250, -3.0196,  
-11.5106

# Harmonies

## Analogous

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



96.8560, 35.5670, 25.5593



87.5710, 17.9595, 73.1672



81.2360, -4.0603, 89.2470

# Triad

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



87.5710, 17.9595, 73.1672



87.3930, -43.0847, 5.7943



87.0160, 38.9391, -76.3130

# Complementary

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



87.5710, 17.9595, 73.1672



121.4290, -17.9595, -73.1672

# 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.



82.2450, 18.1202, -72.1289



87.5710, 17.9595, 73.1672



73.0880, -34.0604, -42.1732

# Square

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



87.5710, 17.9595, 73.1672



89.9830, -44.3616, 42.1109



75.6160, -4.7407, -66.3152



86.0990, 53.1952, -75.5088



# Rectangle

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



87.5710, 17.9595, 73.1672



85.4740, -21.9257, 79.3913



75.6160, -4.7407, -66.3152



86.0070, 32.5345, -75.4281

# Sweetspot

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



87.5710, 17.9595, 73.1672



190.0110, 6.8966, 28.0544



67.2150, 51.1660, 15.5974



92.5490, 4.1663, 17.0585



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



87.5710, 17.9595, 73.1672



92.7560, 27.7283, 113.3470



80.0470, -10.8692, 79.7658



81.3750, 1.2941, 4.9331



55.9080, 20.2584, 82.5187



8.5870, 3.1616, 12.6402



# Inverse Universe

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



87.5710, 17.9595, 73.1672



92.7560, 27.7283, 113.3470



128.9530, 10.8692, -79.7658



81.3750, 1.2941, 4.9331



55.9080, 20.2584, 82.5187



8.5870, 3.1616, 12.6402



# Previews

## White Background



This preview shows how the YUV color 87.5710, 17.9595, 73.1672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

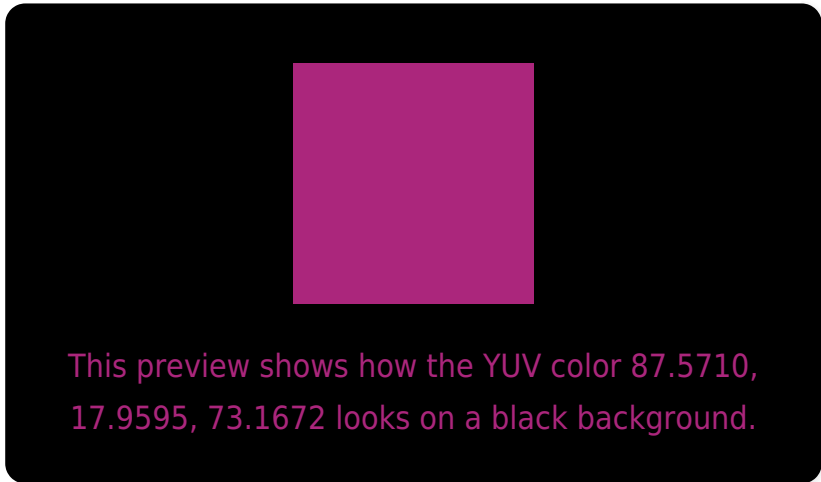
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

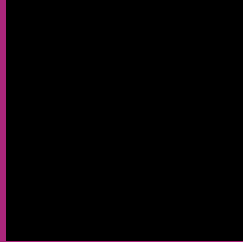
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.5710, 17.9595, 73.1672

## Background



This preview shows how black text looks on a background with the YUV color 87.5710, 17.9595, 73.1672.



This preview shows how white text looks on a background with the YUV color 87.5710, 17.9595,



# 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

87.5710, 17.9595, 73.1672

### Protanopia

93.5370, 35.7243, -25.0269

### Deuteranopia

97.2200, 9.7515, -1.0699



## Tritanopia

91.3350, -14.4622, 65.4812

# Trichromacy



## Original Color

87.5710, 17.9595, 73.1672

## Protanomaly

91.7480, 29.2112, 10.7450

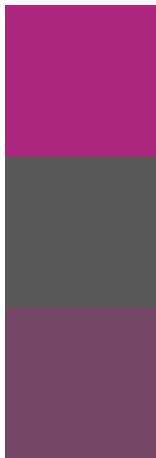
## Deuteranomaly

93.8950, 12.8698, 25.5251

## Tritanomaly

89.8590, -2.3955, 68.5297

# Monochromacy



## Original Color

87.5710, 17.9595, 73.1672

## Achromatopsia

88.0000, 0.0000, 0.0000

## Achromatomaly

87.8860, 6.4652, 26.4100

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.5710, 17.9595, 73.1672 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(171, 38, 124)` looks like.

```
.text, #text, p{  
    color:rgb(171, 38, 124)  
}
```

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(171, 38, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 38, 124) }
```

## Border

The CSS property to change the border of an element to YUV 87.5710, 17.9595, 73.1672 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(171, 38, 124) }
```



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

```
.border{ border-color:rgb(171, 38, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 38, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 38, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 38, 124); box-shadow:4px 4px 4px 4px rgb(171, 38, 124) }
```

# Background

The CSS property to change the background color of an element to YUV 87.5710, 17.9595, 73.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 38, 124) }
```

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

```
.background{ background-color: rgb(171, 38,  
124) }
```

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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