

Converting Colors

YUV(87.7730, 51.8769, 67.7281)

Have a look what the booklet for
YUV(87.7730, 51.8769, 67.7281)
contains.

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Color

**YUV(87.7730, 51.8769,
67.7281)**

Conversions

Conversions Part 1

Format	Color
Hex	A51CC1
RGB	165, 28, 193
RGB Percent	65%, 11%, 76%
CMY	0.3529, 0.8902, 0.2431
CMYK	0.15, 0.85, 0.00, 0.24
HSL	290°, 75%, 43%
HSV	290°, 85%, 76%
XYZ	25.5579, 12.6801, 51.5525
YIQ	87.7730, 28.6870, 80.3590

Conversions

Conversions Part 2

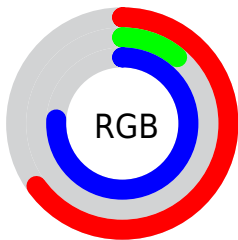
Format	Color
R_{YB}	165, 28, 193
Decimal	10820801
CIE _{Lab}	42.28, 71.53, -55.40
CIE _{LCh}	42, 90.477, 322.241
Yxy	12.6801, 0.2846, 0.1412
Android (android.graphics.Color)	4289010881 (0xFFA51CC1)
YUV	87.7730, 51.8769, 67.7281
Hunter-Lab	35.6091, 65.7999, -60.9097

Details

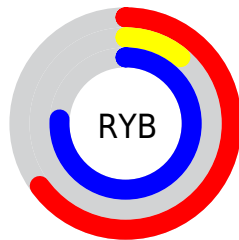
The YUV color **87.7730, 51.8769, 67.7281** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **133.2270, -51.8769, -67.7281**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **150.6540, 48.9776, 64.3244**, and **48.0240, 44.3582, 52.5990** is the 20% darker color. If you saturate the color by 10%, you get **75.7230, 57.8176, 75.6649**, and if you desaturate by 10%, it is **99.8230, 45.9363, 59.7912**.

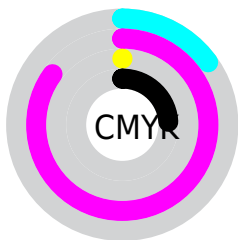
Distribution



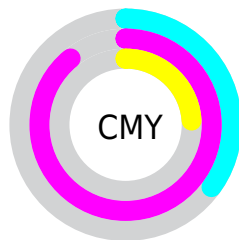
- Red (65%)
- Green (11%)
- Blue (76%)



- Red (65%)
- Yellow (11%)
- Blue (76%)



- Cyan (15%)
- Magenta (85%)
- Yellow (0%)
- Black (24%)





- Cyan (35%)
- Magenta (89%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.7730, 51.8769, 67.7281 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 87.7730, 51.8769, 67.7281 by changing the saturation by 10% instead.


 87.7730, 51.8769,
67.7281


 87.7730, 51.8769,
67.7281


255.0000, 0.0000,
0.0000


 59.4740, 52.0243,
67.1133


 150.6540, 48.9776,
64.3244


 48.0240, 44.3582,
52.5990


 177.2170, 38.3470,
67.3387


 36.6880, 37.1288,
37.9846


 193.9520, 30.0967,
53.5391

 25.7650, 30.1889,
23.8851

 210.9750, 21.7043,
38.6099

 13.4610, 24.4227,
6.6117

 227.9980, 13.3120,
23.6808

 6.2070, 16.1669,
-5.4435

 245.6080, 4.6303,

 2.5250, 7.1362,

8.2368

-2.2144

■ 0.0000, 0.0000,
0.0000

■ 87.7730, 51.8769,
67.7281

■ 87.7730, 51.8769,
67.7281

■ 75.7230, 57.8176,
75.6649

■ 99.8230, 45.9363,
59.7912

■ 69.8420, 60.7169,
79.0686

■ 112.7590, 39.5588,
51.9544

■ 124.8090, 33.6182,
44.0175

■ 136.8590, 27.6775,
36.0807

■ 149.4960, 21.4475,
27.6290

■ 161.8450, 15.3594,
20.3069

■ 173.8950, 9.4188,
12.3701

■ 185.9450, 3.4781,
4.4332

■ 198.5820, -2.7519,
-4.0184

Harmonies

Analogous

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



80.3040, 79.2231, -70.4266



87.7730, 51.8769, 67.7281



78.6060, 21.8862, 120.4945

Triad

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



87.7730, 51.8769, 67.7281



94.0920, -46.3874, 38.5073



92.8060, 30.6616, -81.3909

Complementary

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



87.7730, 51.8769, 67.7281



133.2270, -51.8769, -67.7281

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.



83.3270, -3.1192, -73.0778



87.7730, 51.8769, 67.7281



85.7770, -42.2881, -16.4674

Square

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



87.7730, 51.8769, 67.7281



82.6380, -40.7405, 94.1565



71.6140, -35.3057, -62.8055



99.5150, 58.9061, -87.2747

Rectangle

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



87.7730, 51.8769, 67.7281



74.8140, -0.4013, 129.0821



71.6140, -35.3057, -62.8055



89.9560, 19.7417, -78.8914

Sweetspot

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



87.7730, 51.8769, 67.7281



208.5560, 20.4319, 26.6994



64.4200, 63.3899, -31.9403



100.0140, 12.3181, 15.7737



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

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



87.7730, 51.8769, 67.7281



90.3930, 78.6863, 102.2643



90.2170, 25.0360, 90.1407



90.5320, 3.1887, 3.9184



58.1210, 50.7193, 65.6689



12.1340, 10.2869, 13.9145

Inverse Universe

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



80.5270, -12.0918, 98.6388



79.5380, -18.5062, 149.4952



130.7830, -25.0360, -90.1407



90.2180, -0.6005, 5.9478



51.2170, -11.9390, 96.2797



10.5510, -2.2436, 19.6878

Previews

White Background



This preview shows how the YUV color 87.7730, 51.8769, 67.7281 looks on a white background.

Color Contrast Check

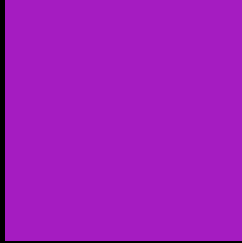
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.7730, 51.8769, 67.7281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

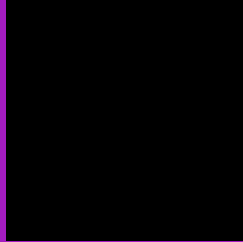
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.7730, 51.8769, 67.7281

Background



This preview shows how black text looks on a background with the YUV color 87.7730, 51.8769, 67.7281.



This preview shows how white text looks on a background with the YUV color 87.7730, 51.8769,

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

87.7730, 51.8769, 67.7281

Protanopia

80.4230, 61.9095, -70.5310

Deuteranopia

81.2090, 49.6900, -71.2203



Tritanopia

101.0980, -8.4293, 43.7641

Trichromacy



Original Color

87.7730, 51.8769, 67.7281



Protanomaly

83.1180, 58.1158, -20.2745



Deuteranomaly

83.7560, 50.4063, -20.8340



Tritanomaly

96.0000, 13.8040, 52.6200

Monochromacy



Original Color

87.7730, 51.8769, 67.7281



Achromatopsia

88.0000, 0.0000, 0.0000



Achromatomaly

87.7900, 18.8375, 24.7402

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.7730, 51.8769, 67.7281 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(165, 28, 193)` looks like.

```
.text, #text, p{  
    color:rgb(165, 28, 193)  
}
```

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(165, 28, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 28, 193) }
```

Border

The CSS property to change the border of an element to YUV 87.7730, 51.8769, 67.7281 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(165, 28, 193) }
```


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

```
.border{ border-color:rgb(165, 28, 193) }
```

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

Here you see how a box with a 4 pixel rgb(165, 28, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 28, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 28, 193);  
box-shadow:4px 4px 4px 4px rgb(165, 28,  
193) }
```

Background

The CSS property to change the background color of an element to YUV 87.7730, 51.8769, 67.7281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 28, 193) }
```

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

```
.background{ background-color: rgb(165, 28,  
193) }
```

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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