

Converting Colors

YUV(86.8710, 19.2906, 19.4071)

Have a look what the booklet for
YUV(86.8710, 19.2906, 19.4071)
contains.

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Color

**YUV(86.8710, 19.2906,
19.4071)**

Conversions

Conversions Part 1

Format	Color
Hex	6D447E
RGB	109, 68, 126
RGB Percent	43%, 27%, 49%
CMY	0.5725, 0.7333, 0.5059
CMYK	0.13, 0.46, 0.00, 0.51
HSL	282°, 30%, 38%
HSV	282°, 46%, 49%
XYZ	12.1397, 8.8918, 20.8151
YIQ	86.8710, 5.8180, 26.7300

Conversions

Conversions Part 2

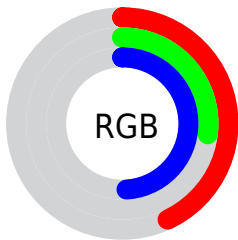
Format	Color
RYB	109, 68, 126
Decimal	7160958
CIELab	35.78, 28.63, -25.95
CIELCh	36, 38.640, 317.819
Yxy	8.8918, 0.2901, 0.2125
Android (android.graphics.Color)	4285351038 (0xFF6D447E)
YUV	86.8710, 19.2906, 19.4071
Hunter-Lab	29.8191, 20.4858, -20.5137

Details

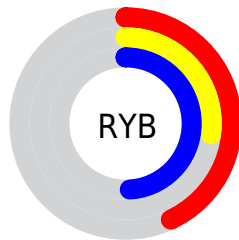
The YUV color **86.8710, 19.2906, 19.4071** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **107.1290, -19.2906, -19.4071**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.5230, 20.4482, 21.4663**, and **39.6320, 18.4224, 17.8627** is the 20% darker color. If you saturate the color by 10%, you get **78.0440, 23.6423, 23.6404**, and if you desaturate by 10%, it is **95.6980, 14.9389, 15.1739**.

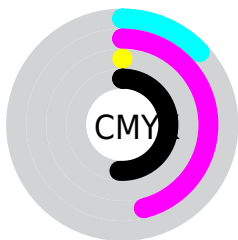
Distribution



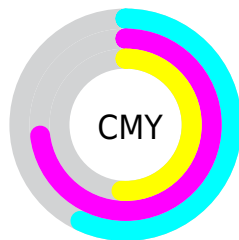
- Red (43%)
- Green (27%)
- Blue (49%)



- Red (43%)
- Yellow (27%)
- Blue (49%)



- Cyan (13%)
- Magenta (46%)
- Yellow (0%)
- Black (51%)



- Cyan (57%)
- Magenta (73%)
- Yellow (51%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 86.8710, 19.2906, 19.4071 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 86.8710, 19.2906, 19.4071 by changing the saturation by 10% instead.

86.8710, 19.2906,
19.4071

86.8710, 19.2906,
19.4071

255.0000, 0.0000,
0.0000

63.0450, 18.7118,
18.3775

137.5230, 20.4482,
21.4663

39.6320, 18.4224,
17.8627

164.0500, 21.1743,
21.8811

17.2190, 18.1330,
17.3479

191.4630, 21.4637,
22.3959

5.1430, 13.2405,
-0.1254

218.2630, 18.1113,
24.3253

0.3420, 1.3104,
-0.2999

237.9770, 8.3923,
14.9292

0.0000, 0.0000,
0.0000

254.4130, 0.2894,

0.5148

■ 86.8710, 19.2906,
19.4071

■ 86.8710, 19.2906,
19.4071

■ 78.0440, 23.6423,
23.6404

■ 95.6980, 14.9389,
15.1739

■ 70.1030, 27.5572,
27.9737

■ 103.6390, 11.0240,
10.8406

■ 61.2760, 31.9089,
32.2069

■ 112.4660, 6.6723,
6.6073

■ 53.0360, 35.9713,
35.9254

■ 120.7060, 2.6099,
2.8888

■ 44.5080, 40.1756,
40.7735

■ 129.2340, -1.5944,
-1.9592

■ 40.9750, 41.9173,
42.1179

■ 138.0610, -5.9461,
-6.1925

■ 146.3010,
-10.0084, -9.9110

■ 155.1280,
-14.3601, -14.1443

■ 163.0690,
-18.2750, -18.4775

Harmonies

Analogous

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



82.0880, 30.0296, -18.4942



86.8710, 19.2906, 19.4071



84.6970, 6.5584, 43.2387

Triad

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



86.8710, 19.2906, 19.4071



81.1410, -30.6355, 26.1863



69.7410, 15.9037, -61.1629

Complementary

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



86.8710, 19.2906, 19.4071



107.1290, -19.2906, -19.4071

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.



65.5060, 2.2155, -57.4488



86.8710, 19.2906, 19.4071



78.6390, -29.4020, 3.8246

Square

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



86.8710, 19.2906, 19.4071



82.6560, -21.5224, 43.2747



74.0790, -16.8009, -24.6253



71.6450, 28.2760, -62.8327

Rectangle

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



86.8710, 19.2906, 19.4071



82.9230, -2.9200, 50.0565



74.0790, -16.8009, -24.6253



68.6010, 11.5357, -60.1631

Sweetspot

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



86.8710, 19.2906, 19.4071



147.7050, 7.5404, 8.1517



84.5910, 20.4146, -14.5503



72.5860, 4.6411, 4.7481



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000

Same Dimension

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



86.8710, 19.2906, 19.4071



102.3960, 29.8778, 30.3477



90.5860, 11.5431, 31.0581



59.2930, 2.3206, 2.3740



41.5020, 42.6435, 42.5327



0.0000, 0.0000, 0.0000

Inverse Universe

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



87.2800, -1.1240, 33.9574



102.9880, -1.4731, 52.6305



103.4140, -11.5431, -31.0581



59.3210, -0.1583, 4.1035



42.4900, -2.7066, 74.9923



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 86.8710, 19.2906, 19.4071 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

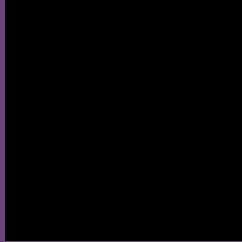
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 86.8710, 19.2906, 19.4071

Background



This preview shows how black text looks on a background with the YUV color 86.8710, 19.2906, 19.4071.



This preview shows how white text looks on a background with the YUV color 86.8710, 19.2906,

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

86.8710, 19.2906, 19.4071

Protanopia

83.1050, 27.5562, -18.5091

Deuteranopia

83.9610, 19.2462, -13.1208



Tritanopia

86.1590, -1.0644, 14.7696

Trichromacy



Original Color

86.8710, 19.2906, 19.4071

Protanomaly

84.6830, 24.3133, -4.9840

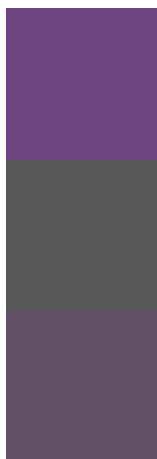
Deuteranomaly

85.0380, 19.2083, -0.9103

Tritanomaly

86.1190, 6.3503, 16.5586

Monochromacy



Original Color

86.8710, 19.2906, 19.4071

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

86.8790, 6.9617, 7.1221

CSS Examples

Text

The CSS property to change the color of the text to YUV 86.8710, 19.2906, 19.4071 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(109, 68, 126)` looks like.

```
.text, #text, p{  
    color:rgb(109, 68, 126)  
}
```

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(109, 68, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 68, 126) }
```

Border

The CSS property to change the border of an element to YUV 86.8710, 19.2906, 19.4071 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(109, 68, 126) }
```


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

```
.border{ border-color:rgb(109, 68, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 68, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 68, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 68, 126);  
box-shadow:4px 4px 4px 4px rgb(109, 68,  
126) }
```

Background

The CSS property to change the background color of an element to YUV 86.8710, 19.2906, 19.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 68, 126) }
```

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

```
.background{ background-color: rgb(109, 68,  
126) }
```

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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