

Converting Colors

YUV(80.5910, 17.4566, 47.7167)

Have a look what the booklet for
YUV(80.5910, 17.4566, 47.7167)
contains.

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Color

**YUV(80.5910, 17.4566,
47.7167)**

Conversions

Conversions Part 1

Format	Color
Hex	872E74
RGB	135, 46, 116
RGB Percent	53%, 18%, 45%
CMY	0.4706, 0.8196, 0.5451
CMYK	0.00, 0.66, 0.14, 0.47
HSL	313°, 49%, 35%
HSV	313°, 66%, 53%
XYZ	14.1211, 8.3658, 17.3935
YIQ	80.5910, 30.5740, 40.6380

Conversions

Conversions Part 2

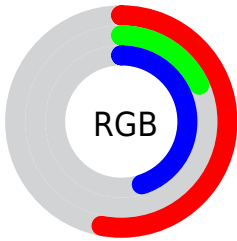
Format	Color
RYB	135, 46, 116
Decimal	8859252
CIELab	34.73, 46.14, -21.05
CIELCh	35, 50.712, 335.478
Yxy	8.3658, 0.3541, 0.2098
Android (android.graphics.Color)	4287049332 (0xFF872E74)
YUV	80.5910, 17.4566, 47.7167
Hunter-Lab	28.9238, 36.5300, -15.4078

Details

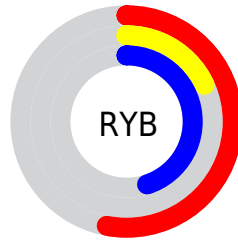
The YUV color **80.5910, 17.4566, 47.7167** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **100.4090, -17.4566, -47.7167**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.7870, 16.8670, 50.1758**, and **32.2700, 17.6149, 43.6132** is the 20% darker color. If you saturate the color by 10%, you get **72.6180, 19.9083, 54.7090**, and if you desaturate by 10%, it is **89.1510, 14.7156, 40.2096**.

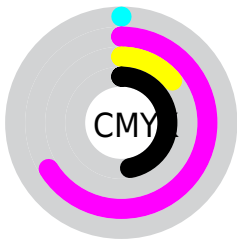
Distribution



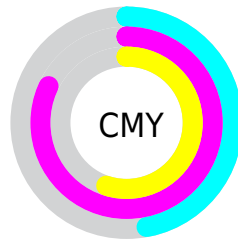
- Red (53%)
- Green (18%)
- Blue (45%)



- Red (53%)
- Yellow (18%)
- Blue (45%)



- Cyan (0%)
- Magenta (66%)
- Yellow (14%)
- Black (47%)



- Cyan (47%)
- Magenta (82%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.5910, 17.4566, 47.7167 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 80.5910, 17.4566, 47.7167 by changing the saturation by 10% instead.

80.5910, 17.4566,
47.7167

80.5910, 17.4566,
47.7167

255.0000, 0.0000,
0.0000

52.0580, 19.1984,
49.0611

133.7870, 16.8670,
50.1758

32.2700, 17.6149,
43.6132

161.2000, 17.1564,
50.6906

22.1730, 11.2537,
30.5433

189.2110, 17.1510,
52.4350

12.3040, 5.7661,
17.2734

210.6330, 20.3939,
38.9099

0.0000, 0.0000,
0.0000

227.4110, 13.6014,
24.1956

244.4340, 5.2090,

9.2664

■ 80.5910, 17.4566,
47.7167

■ 80.5910, 17.4566,
47.7167

■ 72.6180, 19.9083,
54.7090

■ 89.1510, 14.7156,
40.2096

■ 64.0580, 22.6494,
62.2161

■ 97.1240, 12.2639,
33.2173

■ 56.0850, 25.1011,
69.2085

■ 105.6840, 9.5228,
25.7101

■ 52.4490, 26.4006,
72.3972

■ 113.6570, 7.0711,
18.7178

■ 122.1030, 3.8932,
11.3107

■ 130.0760, 1.4415,
4.3183

■ 138.6360, -1.2995,
-3.1888

■ 146.6090, -3.7512,
-10.1811

■ 155.1690, -6.4923,
-17.6882

Harmonies

Analogous

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



83.1110, 31.9903, 6.0417



80.5910, 17.4566, 47.7167



74.6570, 0.6621, 67.8298

Triad

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



80.5910, 17.4566, 47.7167



75.9410, -37.4389, 14.9607



72.7050, 27.2604, -63.7623

Complementary

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



80.5910, 17.4566, 47.7167



100.4090, -17.4566, -47.7167

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.



68.7320, 9.4991, -60.2780



80.5910, 17.4566, 47.7167



68.9540, -33.9943, -16.6227

Square

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



80.5910, 17.4566, 47.7167



76.7040, -37.8151, 42.3556



62.1830, -7.9782, -54.5345



73.4350, 40.2115, -64.4025

Rectangle

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



80.5910, 17.4566, 47.7167



74.9160, -12.2836, 66.7257



62.1830, -7.9782, -54.5345



71.8100, 21.2927, -62.9774

Sweetspot

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



80.5910, 17.4566, 47.7167



154.5430, 6.6343, 18.8178



61.5280, 36.2217, 2.1679



76.2170, 4.3300, 11.2107



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000

Same Dimension

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



80.5910, 17.4566, 47.7167



90.9870, 27.1214, 74.5564



75.6890, -1.3257, 52.0157



62.3640, 1.2995, 3.1888



50.4980, 25.3905, 69.7233



1.1250, 0.4314, 1.6444

Inverse Universe

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



80.5910, 17.4566, 47.7167



90.9870, 27.1214, 74.5564



105.3110, 1.3257, -52.0157



62.3640, 1.2995, 3.1888



50.4980, 25.3905, 69.7233



1.1250, 0.4314, 1.6444

Previews

White Background



This preview shows how the YUV color 80.5910, 17.4566, 47.7167 looks on a white background.

Color Contrast Check

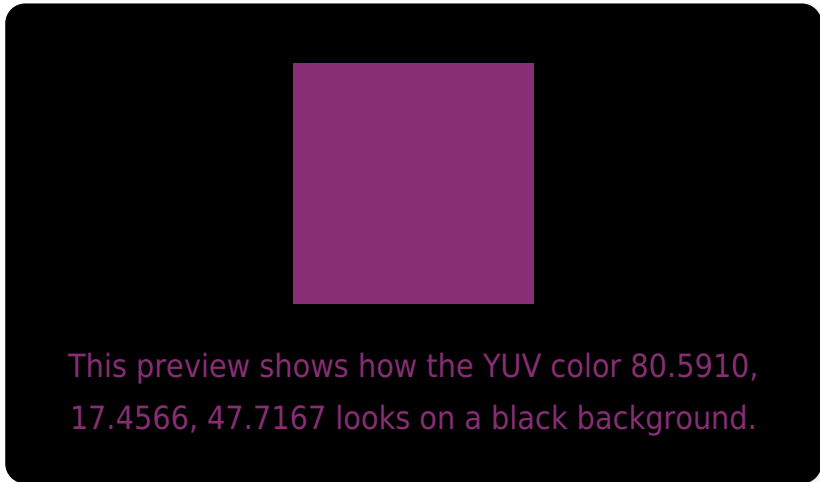
Large Text (above 18pt) WCAG AA ✓ Pass

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

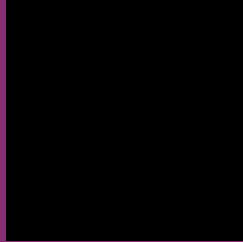
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 80.5910, 17.4566, 47.7167

Background



This preview shows how black text looks on a background with the YUV color 80.5910, 17.4566, 47.7167.



This preview shows how white text looks on a background with the YUV color 80.5910, 17.4566,

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

80.5910, 17.4566, 47.7167

Protanopia

79.9240, 32.0825, -23.6123

Deuteranopia

82.6260, 13.9884, -6.6880



Tritanopia

82.0870, -8.4239, 42.0197

Trichromacy



Original Color

80.5910, 17.4566, 47.7167

Protanomaly

80.0090, 26.6176, 2.6231

Deuteranomaly

81.8010, 15.3811, 13.3295

Tritanomaly

81.9160, 1.0274, 43.9237

Monochromacy



Original Color

80.5910, 17.4566, 47.7167

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

80.8310, 6.4923, 17.6882

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.5910, 17.4566, 47.7167 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(135, 46, 116)` looks like.

```
.text, #text, p{  
    color:rgb(135, 46, 116)  
}
```

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(135, 46, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 46, 116) }
```

Border

The CSS property to change the border of an element to YUV 80.5910, 17.4566, 47.7167 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(135, 46, 116) }
```


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

```
.border{ border-color:rgb(135, 46, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 46, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 46, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 46, 116);  
box-shadow:4px 4px 4px 4px rgb(135, 46,  
116) }
```

Background

The CSS property to change the background color of an element to YUV 80.5910, 17.4566, 47.7167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 46, 116) }
```

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

```
.background{ background-color: rgb(135, 46,  
116) }
```

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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