

Converting Colors

YUV(87.0090, 46.8306, 6.1311)

Have a look what the booklet for
YUV(87.0090, 46.8306, 6.1311)
contains.

YUV(87.0090, 46.8306, 6.1311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**YUV(87.0090, 46.8306,
6.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	5E41B6
RGB	94, 65, 182
RGB Percent	37%, 25%, 71%
CMY	0.6314, 0.7451, 0.2863
CMYK	0.48, 0.64, 0.00, 0.29
HSL	255°, 47%, 48%
HSV	255°, 64%, 71%
XYZ	14.9499, 9.5377, 45.3090
YIQ	87.0090, -20.2730, 42.5350

Conversions

Conversions Part 2

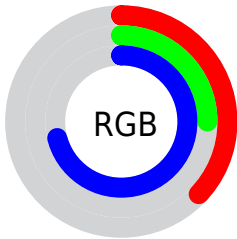
Format	Color
R_{YB}	94, 65, 182
Decimal	6177206
CIE _{Lab}	37.00, 41.45, -57.94
CIE _{LCh}	37, 71.240, 305.584
Yxy	9.5377, 0.2142, 0.1366
Android (android.graphics.Color)	4284367286 (0xFF5E41B6)
YUV	87.0090, 46.8306, 6.1311
Hunter-Lab	30.8831, 32.3627, -65.3668

Details

The YUV color **87.0090, 46.8306, 6.1311** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **159.9910, -46.8306, -6.1311**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9000, 48.8563, 9.7347**, and **34.7260, 45.9841, -2.3907** is the 20% darker color. If you saturate the color by 10%, you get **72.2570, 54.1033, 6.7906**, and if you desaturate by 10%, it is **101.7610, 39.5578, 5.4716**.

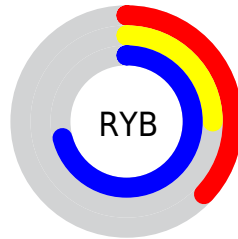
Distribution



Red (37%)

Green (25%)

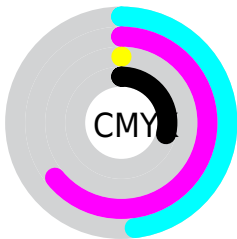
Blue (71%)



Red (37%)

Yellow (25%)

Blue (71%)

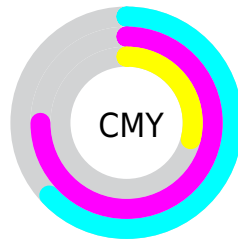


Cyan (48%)

Magenta (64%)

Yellow (0%)

Black (29%)



Cyan (63%)

Magenta (75%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.0090, 46.8306, 6.1311 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 87.0090, 46.8306, 6.1311 by changing the saturation by 10% instead.

■ 87.0090, 46.8306,
6.1311

■ 87.0090, 46.8306,
6.1311

■ 255.0000, 0.0000,
0.0000

■ 61.1720, 46.2572,
3.3572

■ 139.9000, 48.8563,
9.7347

■ 34.7260, 45.9841,
-2.3907

■ 165.3580, 44.1935,
11.9640

■ 11.6280, 44.5534,
-10.1978

■ 189.5900, 32.2471,
17.0226

■ 8.7780, 33.6334,
-7.6983

■ 214.6970, 19.8694,
20.4367

■ 8.9770, 21.7033,
-7.8728

■ 236.2160, 9.2605,
16.4736

■ 4.7080, 12.9620,
-4.1289

■ 253.2390, 0.8682,

■ 0.3420, 1.3104,

1.5444

-0.2999

■ 0.0000, 0.0000,
0.0000

■ 87.0090, 46.8306,
6.1311

■ 87.0090, 46.8306,
6.1311

■ 72.2570, 54.1033,
6.7906

■ 101.7610, 39.5578,
5.4716

■ 57.8040, 61.2286,
8.0649

■ 116.2140, 32.4325,
4.1973

■ 42.4650, 68.7908,
9.2392

■ 131.5530, 24.8704,
3.0230

■ 34.2030, 72.8639,
9.4690

■ 146.3050, 17.5976,
2.3635

■ 160.7580, 10.4723,
1.0892

■ 175.5100, 3.1996,
0.4297

■ 190.2620, -4.0732,
-0.2298

■ 205.6010,
-11.6353, -1.4041

■ 220.0540,
-18.7606, -2.6784

Harmonies

Analogous

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



77.2600, 62.4828, -67.7570



87.0090, 46.8306, 6.1311



69.5130, 32.7781, 80.2341

Triad

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



87.0090, 46.8306, 6.1311



80.9120, -39.8896, 54.4512



75.6280, 10.5364, -66.3258

Complementary

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



87.0090, 46.8306, 6.1311



159.9910, -46.8306, -6.1311

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.



66.7990, -15.6769, -58.5827



87.0090, 46.8306, 6.1311



81.5450, -40.2017, 14.4310

Square

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



87.0090, 46.8306, 6.1311



65.8010, -21.1009, 94.8905



67.9580, -33.5033, -34.1662



82.0120, 34.9971, -71.9245

Rectangle

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



87.0090, 46.8306, 6.1311



64.6930, 16.4204, 100.2472



67.9580, -33.5033, -34.1662



72.7610, 2.0898, -63.8114

Sweetspot

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



87.0090, 46.8306, 6.1311



200.4190, 18.0344, 2.2635



131.1680, 25.0602, -58.0293



97.2850, 11.1985, 1.5041



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000

Same Dimension

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



87.0090, 46.8306, 6.1311



89.2030, 72.8639, 9.4690



104.0520, 38.4284, 41.1734



84.6240, 3.6364, 0.3298



29.4450, 62.3916, 8.3797



5.2850, 11.1985, 1.5041

Inverse Universe

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



110.0150, 21.1916, 63.1308



125.0360, 33.0133, 98.1924



142.9480, -38.4284, -41.1734



86.4890, 1.7309, 4.8331



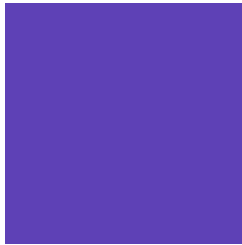
59.9820, 28.1099, 84.2078



10.7660, 5.0454, 15.1142

Previews

White Background



This preview shows how the YUV color 87.0090, 46.8306, 6.1311 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



This preview shows how the YUV color 87.0090, 46.8306, 6.1311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

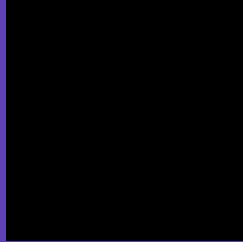
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.0090, 46.8306, 6.1311

Background



This preview shows how black text looks on a background with the YUV color 87.0090, 46.8306, 6.1311.



This preview shows how white text looks on a background with the YUV color 87.0090, 46.8306, 6.1311.

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

87.0090, 46.8306, 6.1311

Protanopia

69.6000, 53.4412, -61.0392

Tritanopia

84.9320, 6.4425, -13.0954

Trichromacy



Original Color

87.0090, 46.8306, 6.1311

Protanomaly

75.7710, 50.8919, -36.6332

Tritanomaly

85.8740, 21.2611, -6.0285

Monochromacy



Original Color

87.0090, 46.8306, 6.1311

Achromatopsia

87.0000, 0.0000, 0.0000

Achromatomaly

87.1910, 17.1608, 2.4635

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.0090, 46.8306, 6.1311 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(94, 65, 182)` looks like.

```
.text, #text, p{  
    color:rgb(94, 65, 182)  
}
```

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(94, 65, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 65, 182) }
```

Border

The CSS property to change the border of an element to YUV 87.0090, 46.8306, 6.1311 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(94, 65, 182) }
```

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

```
.border{ border-color:rgb(94, 65, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 65, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 65, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 65, 182);  
box-shadow:4px 4px 4px 4px rgb(94, 65,  
182) }
```


Background

The CSS property to change the background color of an element to YUV 87.0090, 46.8306, 6.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 65, 182) }
```

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

```
.background{ background-color: rgb(94, 65,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor