

Converting Colors

YUV(122.8840, 46.3992, 4.4867)

Have a look what the booklet for
YUV(122.8840, 46.3992, 4.4867)
contains.

YUV(122.8840, 46.3992, 4.4867)	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>	31

Color

**YUV(122.8840, 46.3992,
4.4867)**

Conversions

Conversions Part 1

Format	Color
Hex	8066D9
RGB	128, 102, 217
RGB Percent	50%, 40%, 85%
CMY	0.4980, 0.6000, 0.1490
CMYK	0.41, 0.53, 0.00, 0.15
HSL	254°, 60%, 63%
HSV	254°, 53%, 85%
XYZ	26.1778, 19.1017, 67.9529
YIQ	122.8840, -21.4190, 41.2770

Conversions

Conversions Part 2

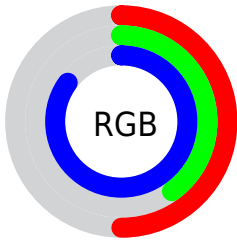
Format	Color
RYB	128, 102, 217
Decimal	8414937
CIELab	50.81, 37.36, -55.73
CIELCh	51, 67.094, 303.834
Yxy	19.1017, 0.2312, 0.1687
Android (android.graphics.Color)	4286605017 (0xFF8066D9)
YUV	122.8840, 46.3992, 4.4867
Hunter-Lab	43.7055, 30.4298, -61.5898

Details

The YUV color **122.8840, 46.3992, 4.4867** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **196.1160, -46.3992, -4.4867**, and the grayscale version is **122.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **174.7830, 39.5470, 8.9603**, and **71.2810, 44.2315, -0.2464** is the 20% darker color. If you saturate the color by 10%, you get **104.8870, 55.2717, 5.3611**, and if you desaturate by 10%, it is **140.8810, 37.5267, 3.6124**.

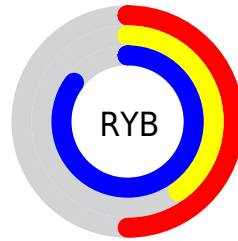
Distribution



Red (50%)

Green (40%)

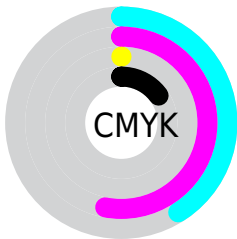
Blue (85%)



Red (50%)

Yellow (40%)

Blue (85%)

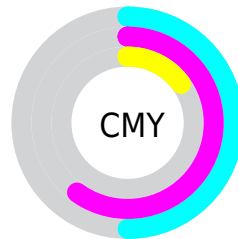


Cyan (41%)

Magenta (53%)

Yellow (0%)

Black (15%)



Cyan (50%)

Magenta (60%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YUV color 122.8840, 46.3992, 4.4867 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 122.8840, 46.3992, 4.4867 by changing the saturation by 10% instead.

122.8840, 46.3992,
4.4867

122.8840, 46.3992,
4.4867

255.0000, 0.0000,
0.0000

97.2320, 45.2416,
2.4275

174.7830, 39.5470,
8.9603

71.2810, 44.2315,
-0.2464

199.3030, 27.4586,
12.8893

45.4330, 43.6635,
-4.7647

224.1220, 15.2229,
17.4330

17.5950, 44.5697,
-15.4308

244.4340, 5.2090,
9.2664

9.5760, 36.6910,
-8.3982

10.2480, 24.0347,
-8.9875

5.3920, 15.5827,

-4.7288

■ 2.0690, 5.3890,
-1.8145

■ 0.0000, 0.0000,
0.0000

■ 122.8840, 46.3992,
4.4867

■ 122.8840, 46.3992,
4.4867

■ 104.8870, 55.2717,
5.3611

■ 140.8810, 37.5267,
3.6124

■ 87.4770, 63.8548,
5.7207

■ 158.2910, 28.9435,
3.2528

■ 69.7790, 72.5800,
7.2098

■ 175.9890, 20.2184,
1.7636

■ 51.7820, 81.4525,
8.0842

■ 193.9860, 11.3459,
0.8893

■ 39.3890, 87.5622,
8.4288

■ 211.9830, 2.4734,
0.0149

■ 229.3930, -6.1097,
-0.3447

■ 247.3900,
-14.9823, -1.2190

■ 250.6680,
-16.5983, 3.7992

Harmonies

Analogous

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



100.8660, 66.6211, -88.4595



122.8840, 46.3992, 4.4867



119.9920, 26.1329, 64.9050

Triad

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



122.8840, 46.3992, 4.4867



112.8410, -55.6306, 63.2834



100.1800, 13.2223, -87.8579

Complementary

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



122.8840, 46.3992, 4.4867



196.1160, -46.3992, -4.4867

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.



91.5790, -12.1174, -80.3148



122.8840, 46.3992, 4.4867



112.5880, -55.5059, 23.1633

Square

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



122.8840, 46.3992, 4.4867



112.0300, -25.1578, 89.4277



103.1650, -50.8603, -20.3157



106.6780, 38.1197, -93.5566

Rectangle

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



122.8840, 46.3992, 4.4867



112.5470, 11.0693, 89.8513



103.1650, -50.8603, -20.3157



97.9000, 4.4863, -85.8583

Sweetspot

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



122.8840, 46.3992, 4.4867



221.3650, 16.5821, 1.4339



167.9400, 24.1866, -57.8294



107.6440, 10.0355, 1.1892



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



122.8840, 46.3992, 4.4867



121.6450, 65.7440, 6.4503



139.6280, 38.1444, 38.9142



100.8520, 4.5100, 0.1298



31.3830, 69.8172, 6.6801



8.2340, 18.6186, 1.5488

Inverse Universe

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



146.5310, 21.9232, 61.8013



155.1010, 31.0092, 87.6114



179.3720, -38.1444, -38.9142



103.2010, 1.8729, 5.9627



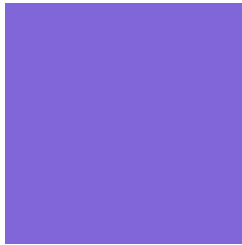
67.0030, 33.0295, 92.9594



17.8580, 8.9440, 24.6805

Previews

White Background



This preview shows how the YUV color 122.8840, 46.3992, 4.4867 looks on a white background.

Color Contrast Check

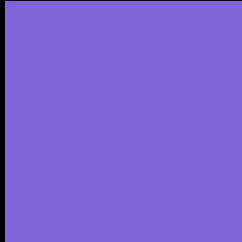
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the YUV color 122.8840, 46.3992, 4.4867 looks on a black 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

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

YUV 122.8840, 46.3992, 4.4867

Background



This preview shows how black text looks on a background with the YUV color 122.8840, 46.3992, 4.4867.



This preview shows how white text looks on a background with the YUV color 122.8840, 46.3992, 4.4867.

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

122.8840, 46.3992, 4.4867

Protanopia

111.2730, 59.5184, -50.2284

Deuteranopia

108.9270, 50.8150, -58.6950



Tritanopia

119.6550, 6.5791, -10.2214

Trichromacy



Original Color

122.8840, 46.3992, 4.4867

Protanomaly

115.8410, 54.8014, -30.5556

Deuteranomaly

113.7280, 49.4341, -35.7185

Tritanomaly

120.5860, 21.4031, -4.8989

Monochromacy



Original Color

122.8840, 46.3992, 4.4867

Achromatopsia

123.0000, 0.0000, 0.0000

Achromatomaly

122.7780, 16.8714, 1.9487

CSS Examples

Text

The CSS property to change the color of the text to YUV 122.8840, 46.3992, 4.4867 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(128, 102, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 217)  
}
```

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(128, 102, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 217) }
```

Border

The CSS property to change the border of an element to YUV 122.8840, 46.3992, 4.4867 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(128, 102, 217) }
```


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

```
.border{ border-color:rgb(128, 102, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
217) }
```

Background

The CSS property to change the background color of an element to YUV 122.8840, 46.3992, 4.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 217) }
```

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

```
.background{ background-color: rgb(128,  
102, 217) }
```

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