

# Converting Colors

YUV(86.7870, -7.2900, -41.9092)

Have a look what the booklet for  
YUV(86.7870, -7.2900, -41.9092)  
contains.

<b>YUV(86.7870, -7.2900, -41.9092)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(86.7870, -7.2900,  
-41.9092)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	277248
RGB	39, 114, 72
RGB Percent	15%, 45%, 28%
CMY	0.8471, 0.5529, 0.7176
CMYK	0.66, 0.00, 0.37, 0.55
HSL	146°, 49%, 30%
HSV	146°, 66%, 45%
XYZ	8.0237, 12.9338, 8.2045
YIQ	86.7870, -31.2180, -28.9620

# Conversions

## Conversions Part 2

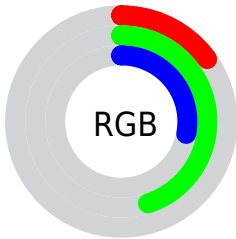
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>39, 91, 114</b>
Decimal	2585160
CIE <sub>Lab</sub>	42.66, -33.52, 16.67
CIE <sub>LCh</sub>	43, 37.436, 153.560
Yxy	12.9338, 0.2751, 0.4435
Android (android.graphics.Color)	4280775240 (0xFF277248)
YUV	86.7870, -7.2900, -41.9092
Hunter-Lab	35.9637, -23.1119, 11.6486

# Details

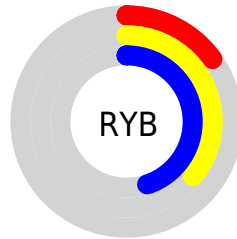
The YUV color **86.7870, -7.2900, -41.9092** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **66.2130, 7.2900, 41.9092**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.6300, -9.1846, -40.8945**, and **41.3470, -6.5801, -36.2613** is the 20% darker color. If you saturate the color by 10%, you get **82.8140, -8.2893, -48.0719**, and if you desaturate by 10%, it is **90.7600, -6.2907, -35.7465**.

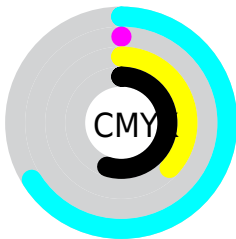
# Distribution



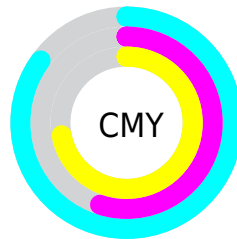
- Red (15%)
- Green (45%)
- Blue (28%)



- Red (15%)
- Yellow (36%)
- Blue (45%)



- Cyan (66%)
- Magenta (0%)
- Yellow (37%)
- Black (55%)



- Cyan (85%)
- Magenta (55%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.7870, -7.2900, -41.9092 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 86.7870, -7.2900, -41.9092 by changing the saturation by 10% instead.



■ 86.7870, -7.2900,  
-41.9092

■ 86.7870, -7.2900,  
-41.9092

■ 255.0000, 0.0000,  
0.0000

■ 58.7260, -4.7949,  
-48.8717

■ 139.6300, -9.1846,  
-40.8945

■ 41.3470, -6.5801,  
-36.2613

■ 166.5160, -9.6214,  
-40.7945

■ 24.9960, -10.8440,  
-21.9215

■ 193.9890,  
-10.3476, -41.2094

■ 9.9790, -4.9196,  
-8.7516

■ 222.2770,  
-10.4896, -42.3389

■ 0.0000, 0.0000,  
0.0000

■ 236.4880, -3.6916,  
-29.3690

■ 247.8240, 3.5378,

-14.7546

■ 86.7870, -7.2900,  
-41.9092

■ 86.7870, -7.2900,  
-41.9092

■ 82.8140, -8.2893,  
-48.0719

■ 90.7600, -6.2907,  
-35.7465

■ 78.4280, -9.5780,  
-54.7494

■ 95.1460, -5.0020,  
-29.0690

■ 74.4550, -10.5773,  
-60.9120

■ 99.1190, -4.0027,  
-22.9064

■ 72.6180, -11.1507,  
-63.6860

■ 103.5050, -2.7140,  
-16.2289

■ 107.4780, -1.7147,  
-10.0662

■ 111.4510, -0.7153,  
-3.9035

■ 115.8370, 0.5734,  
2.7740

■ 119.8100, 1.5727,  
8.9366

■ 124.0820, 2.4246,  
15.7141

# Harmonies

## Analogous

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



94.1580, -23.2489, -9.7856



86.7870, -7.2900, -41.9092



79.9480, 11.8576, -70.1144

# Triad

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



86.7870, -7.2900, -41.9092



93.5800, 33.7311, -39.0967



100.1820, -15.8657, 48.9524

# Complementary

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



86.7870, -7.2900, -41.9092



66.2130, 7.2900, 41.9092

# 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.



101.5530, -1.7516, 48.6270



86.7870, -7.2900, -41.9092



102.7380, 24.2862, 3.7378

# Square

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



86.7870, -7.2900, -41.9092



82.9410, 36.0181, -72.7393



103.5370, 12.5533, 33.7321



99.2330, -26.7369, 35.7527



# Rectangle

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



86.7870, -7.2900, -41.9092



82.2280, 20.5936, -72.1140



103.5370, 12.5533, 33.7321



100.7460, -11.2138, 50.2118

# Sweetspot

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



86.7870, -7.2900, -41.9092



137.0920, -3.0034, -16.7437



95.8820, -28.0428, -12.1745



67.4780, -1.7147, -10.0662



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



86.7870, -7.2900, -41.9092



105.4930, -11.5820, -65.3304



91.0050, 8.8715, -45.6084



53.8640, -0.4260, -3.3887



76.4820, -11.5766, -67.0747



157.4150, -23.8686, -138.0530



# Inverse Universe

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



66.2130, 7.2900, 41.9092



73.3930, 11.1453, 65.4303



61.9950, -8.8715, 45.6084



52.2500, 0.8628, 3.2888



43.5180, 11.5766, 67.0747



89.6990, 24.3054, 137.9530



# Previews

## White Background



This preview shows how the YUV color 86.7870, -7.2900, -41.9092 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 86.7870, -7.2900, -41.9092 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 86.7870, -7.2900, -41.9092

## Background



This preview shows how black text looks on a background with the YUV color 86.7870, -7.2900, -41.9092.



This preview shows how white text looks on a background with the YUV color 86.7870, -7.2900,



# 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

86.7870, -7.2900, -41.9092

### Protanopia

98.8150, -16.1778, 8.9322

### Deuteranopia

100.2980, -11.9789, 15.5247



## Tritanopia

93.7660, 11.4544, -33.9978

# Trichromacy



## Original Color

86.7870, -7.2900, -41.9092

## Protanomaly

94.5030, -13.0660, -9.2111

## Deuteranomaly

95.6220, -10.1666, -5.8075

## Tritanomaly

91.3220, 4.7713, -37.1164

# Monochromacy



## Original Color

86.7870, -7.2900, -41.9092

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.2170, -2.5720, -15.0993

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.7870, -7.2900, -41.9092 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(39, 114, 72)` looks like.

```
.text, #text, p{  
    color:rgb(39, 114, 72)  
}
```

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(39, 114, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 114, 72) }
```

## Border

The CSS property to change the border of an element to YUV 86.7870, -7.2900, -41.9092 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(39, 114, 72) }
```



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

```
.border{ border-color:rgb(39, 114, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 114, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 114, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 114, 72);  
box-shadow:4px 4px 4px 4px rgb(39, 114,  
72) }
```

# Background

The CSS property to change the background color of an element to YUV 86.7870, -7.2900, -41.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 114, 72) }
```

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

```
.background{ background-color: rgb(39, 114,  
72) }
```

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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