

Converting Colors

YUV(87.6970, 66.7044,
-21.6593)

Have a look what the booklet for
YUV(87.6970, 66.7044, -21.6593)
contains.

YUV(87.6970, 66.7044, -21.6593)	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(87.6970, 66.7044,
-21.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	3F4ADF
RGB	63, 74, 223
RGB Percent	25%, 29%, 87%
CMY	0.7529, 0.7098, 0.1255
CMYK	0.72, 0.67, 0.00, 0.13
HSL	236°, 71%, 56%
HSV	236°, 72%, 87%
XYZ	17.8180, 11.2820, 71.0506
YIQ	87.6970, -54.3850, 44.0070

Conversions

Conversions Part 2

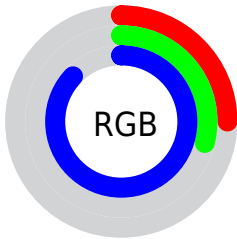
Format	Color
RYB	63, 73, 223
Decimal	4147935
CIELab	40.05, 44.56, -76.83
CIELCh	40, 88.819, 300.112
Yxy	11.2820, 0.1779, 0.1127
Android (android.graphics.Color)	4282338015 (0xFF3F4ADF)
YUV	87.6970, 66.7044, -21.6593
Hunter-Lab	33.5887, 35.9094, -101.9046

Details

The YUV color **87.6970, 66.7044, -21.6593** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **198.3030, -66.7044, 21.6593**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.4400, 56.4781, -8.2789**, and **35.9470, 64.1161, -31.5255** is the 20% darker color. If you saturate the color by 10%, you get **68.7920, 76.0245, -24.3736**, and if you desaturate by 10%, it is **106.6020, 57.3842, -18.9450**.

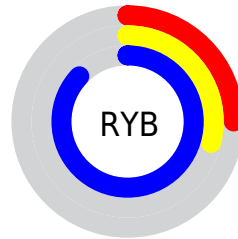
Distribution



Red (25%)

Green (29%)

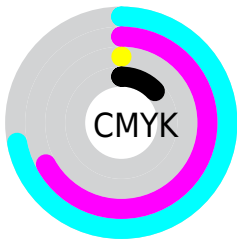
Blue (87%)



Red (25%)

Yellow (29%)

Blue (87%)

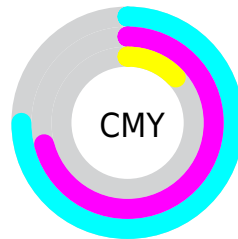


Cyan (72%)

Magenta (67%)

Yellow (0%)

Black (13%)



Cyan (75%)

Magenta (71%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.6970, 66.7044, -21.6593 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 87.6970, 66.7044, -21.6593 by changing the saturation by 10% instead.

■ 87.6970, 66.7044,
-21.6593

■ 87.6970, 66.7044,
-21.6593

255.0000, 0.0000,
0.0000

■ 52.0530, 69.9799,
-45.6505

■ 140.4400, 56.4781,
-8.2789

■ 35.9470, 64.1161,
-31.5255

■ 165.2700, 44.2369,
-1.9908

■ 21.7160, 57.8210,
-19.0449

■ 190.3880, 31.8537,
3.1677

■ 12.8820, 49.3582,
-11.2975

■ 215.7940, 19.3286,
7.1967

■ 16.3750, 34.8181,
-14.3609

■ 241.4990, 6.6560,
11.8404

■ 10.7040, 25.7819,
-9.3874

■ 6.3210, 16.6037,

-5.5435

■ 2.6390, 7.5730,
-2.3144

■ 0.0000, 0.0000,
0.0000

■ 87.6970, 66.7044,
-21.6593

■ 87.6970, 66.7044,
-21.6593

■ 68.7920, 76.0245,
-24.3736

■ 106.6020, 57.3842,
-18.9450

■ 49.5880, 85.4921,
-27.7027

■ 125.8060, 47.9166,
-15.6159

■ 34.2270, 93.0651,
-30.0171

■ 144.1240, 38.8859,
-12.3867

■ 163.0290, 29.5657,
-9.6724

■ 182.2330, 20.0981,
-6.3433

■ 201.1380, 10.7780,
-3.6290

■ 219.4560, 1.7472,
-0.3999

■ 238.3610, -7.5730,
2.3144

■ 251.3520,
-13.9775, 3.1993

Harmonies

Analogous

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



90.0380, 75.9033, -78.9633



87.6970, 66.7044, -21.6593



71.7760, 47.4384, 91.4044

Triad

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



87.6970, 66.7044, -21.6593



83.7020, -41.2651, 75.6833



81.6290, 5.6059, -71.5886

Complementary

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



87.6970, 66.7044, -21.6593



198.3030, -66.7044, 21.6593

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.



69.2660, -34.1481, -60.7463



87.6970, 66.7044, -21.6593



88.6880, -43.7232, 23.9526

Square

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



87.6970, 66.7044, -21.6593



64.3730, -18.4249, 123.3299



74.4370, -36.6974, -36.3402



90.5380, 37.2028, -79.4018

Rectangle

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



87.6970, 66.7044, -21.6593



75.2030, 23.0709, 113.8320



74.4370, -36.6974, -36.3402



78.0780, -5.4615, -68.4744

Sweetspot

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



87.6970, 66.7044, -21.6593



207.7320, 23.3031, -7.6580



173.6780, 17.9067, -97.0646



99.6370, 13.9830, -4.9436



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.



87.6970, 66.7044, -21.6593



69.7710, 91.3179, -29.6172



101.2730, 60.0114, 25.1936



102.8410, 4.5154, -1.6146



27.1080, 73.4038, -23.7737



7.2330, 20.0981, -6.3433

Inverse Universe

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



112.0940, -18.7803, 97.2646



103.1910, -25.7302, 133.1365



184.7270, -60.0114, -25.1936



104.4030, -1.1847, 6.6626



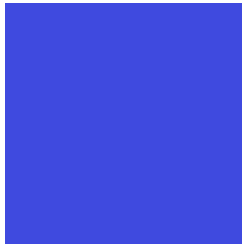
53.9920, -20.7021, 107.0010



14.6940, -5.7651, 29.2094

Previews

White Background



This preview shows how the YUV color 87.6970, 66.7044, -21.6593 looks on a white background.

Color Contrast Check

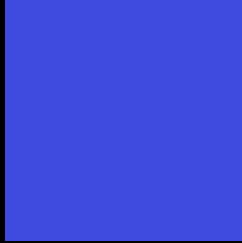
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.6970, 66.7044, -21.6593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

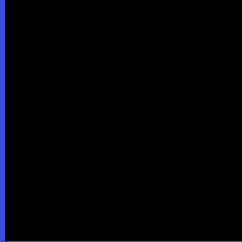
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.6970, 66.7044, -21.6593

Background



This preview shows how black text looks on a background with the YUV color 87.6970, 66.7044, -21.6593.



This preview shows how white text looks on a background with the YUV color 87.6970, 66.7044, -21.6593.

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

87.6970, 66.7044, -21.6593

Protanopia

74.6040, 57.3832, -65.4277

Deuteranopia

74.9340, 43.4165, -65.7171



Tritanopia

73.7020, 18.3879, -64.6367

Trichromacy



Original Color

87.6970, 66.7044, -21.6593

Protanomaly

79.3270, 60.9708, -49.3988

Deuteranomaly

79.6230, 51.9509, -49.6584

Tritanomaly

78.7960, 36.0896, -48.9331

Monochromacy



Original Color

87.6970, 66.7044, -21.6593

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

87.9600, 24.1767, -7.8579

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.6970, 66.7044, -21.6593 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(63, 74, 223)` looks like.

```
.text, #text, p{  
    color:rgb(63, 74, 223)  
}
```

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(63, 74, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 74, 223) }
```

Border

The CSS property to change the border of an element to YUV 87.6970, 66.7044, -21.6593 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(63, 74, 223) }
```


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

```
.border{ border-color:rgb(63, 74, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 74, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 74, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 74, 223);  
box-shadow:4px 4px 4px 4px rgb(63, 74,  
223) }
```

Background

The CSS property to change the background color of an element to YUV 87.6970, 66.7044, -21.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 74, 223) }
```

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

```
.background{ background-color: rgb(63, 74,  
223) }
```

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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