

Converting Colors

YUV(72.7170, 42.5375,
-63.7728)

Have a look what the booklet for
YUV(72.7170, 42.5375, -63.7728)
contains.

YUV(72.7170, 42.5375, -63.7728)	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(72.7170, 42.5375,
-63.7728)**

Conversions

Conversions Part 1

Format	Color
Hex	005D9F
RGB	0, 93, 159
RGB Percent	0%, 36%, 62%
CMY	1.0000, 0.6353, 0.3765
CMYK	1.00, 0.42, 0.00, 0.38
HSL	205°, 100%, 31%
HSV	205°, 100%, 62%
XYZ	10.1724, 10.3319, 34.2590
YIQ	72.7170, -76.6140, 0.8100

Conversions

Conversions Part 2

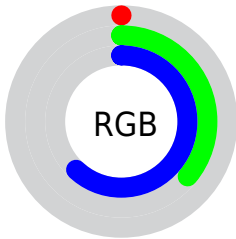
Format	Color
RYB	0, 59, 159
Decimal	23967
CIELab	38.43, 2.77, -42.18
CIELCh	38, 42.273, 273.760
Yxy	10.3319, 0.1858, 0.1887
Android (android.graphics.Color)	4278214047 (0xFF005D9F)
YUV	72.7170, 42.5375, -63.7728
Hunter-Lab	32.1433, 0.2390, -40.6923

Details

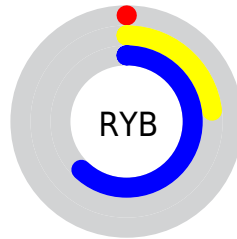
The YUV color **72.7170, 42.5375, -63.7728** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **86.2830, -42.5375, 63.7728**, and the grayscale version is **72.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.0510, 39.4149, -42.1407**, and **40.3740, 32.8466, -35.4080** is the 20% darker color. If you saturate the color by 10%, you get **72.7170, 42.5375, -63.7728**, and if you desaturate by 10%, it is **81.6100, 38.1533, -57.5400**.

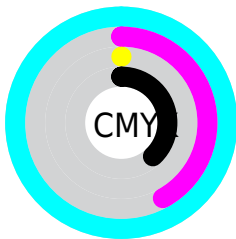
Distribution



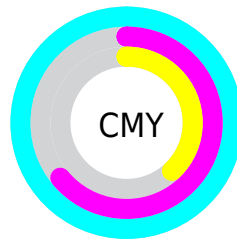
- Red (0%)
- Green (36%)
- Blue (62%)



- Red (0%)
- Yellow (23%)
- Blue (62%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (64%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YUV color 72.7170, 42.5375, -63.7728 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 72.7170, 42.5375, -63.7728 by changing the saturation by 10% instead.

■ 72.7170, 42.5375,
-63.7728

■ 72.7170, 42.5375,
-63.7728

■ 255.0000, 0.0000,
0.0000

■ 56.2520, 37.8368,
-49.3330

■ 134.0510, 39.4149,
-42.1407

■ 40.3740, 32.8466,
-35.4080

■ 161.5890, 40.1356,
-39.9816

■ 25.7840, 27.7145,
-22.6126

■ 187.4770, 33.2888,
-37.2523

■ 10.2480, 24.0347,
-8.9875

■ 212.5840, 20.9111,
-33.8382

■ 5.2780, 15.1459,
-4.6288

■ 238.2780, 8.2439,
-30.9388

■ 1.3680, 5.2416,
-1.1997

■ 248.4220, 3.2430,

■ 0.0000, 0.0000,

-13.5251

0.0000

■ 72.7170, 42.5375,
-63.7728

■ 81.6100, 38.1533,
-57.5400

■ 89.9160, 34.0584,
-50.7923

■ 98.8090, 29.6742,
-44.5595

■ 107.1150, 25.5793,
-37.8119

■ 116.0080, 21.1951,
-31.5790

■ 124.6020, 16.9582,
-25.9610

■ 132.9080, 12.8634,
-19.2133

■ 141.8010, 8.4791,
-12.9805

■ 150.1070, 4.3842,
-6.2328

Harmonies

Analogous

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



77.2020, 36.8754, -67.7062



72.7170, 42.5375, -63.7728



92.8350, 27.1963, 3.6527

Triad

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



72.7170, 42.5375, -63.7728



88.2750, -16.8976, 53.2558



68.3610, -4.6150, -59.9526

Complementary

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



72.7170, 42.5375, -63.7728



86.2830, -42.5375, 63.7728

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.



82.0500, -26.1536, -11.4448



72.7170, 42.5375, -63.7728



87.7450, -29.9473, 38.8116

Square

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



72.7170, 42.5375, -63.7728



89.5260, -0.7523, 54.7897



85.4080, -35.6971, 16.3052



73.5250, 10.0942, -64.4814

Rectangle

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



72.7170, 42.5375, -63.7728



92.8120, 18.8267, 28.2289



85.4080, -35.6971, 16.3052



76.6970, -14.1476, -35.6913

Sweetspot

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



72.7170, 42.5375, -63.7728



173.2000, 16.6634, -24.7314



100.6290, -18.0581, -88.2516



84.2460, 10.2317, -15.1247



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



72.7170, 42.5375, -63.7728



94.6250, 55.4009, -82.9861



27.5180, 64.8206, -24.1333



74.8470, 2.0474, -3.3738



65.6100, 38.1533, -57.5400



6.9930, 3.9475, -6.1329

Inverse Universe

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



58.1430, 17.1845, 88.4516



75.6870, 22.3393, 115.1615



131.4820, -64.8206, 24.1333



73.9620, 1.0047, 4.4183



52.3330, 15.6118, 79.5150



5.5110, 1.7201, 8.3219

Previews

White Background



This preview shows how the YUV color 72.7170, 42.5375, -63.7728 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 72.7170, 42.5375, -63.7728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

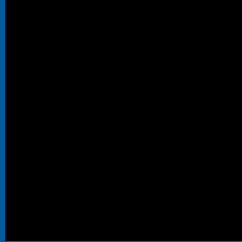
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 72.7170, 42.5375, -63.7728

Background



This preview shows how black text looks on a background with the YUV color 72.7170, 42.5375, -63.7728.



This preview shows how white text looks on a background with the YUV color 72.7170, 42.5375,

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

72.7170, 42.5375, -63.7728

Protanopia

87.7500, 32.6613, -22.5828

Deuteranopia

81.3990, 38.2573, -44.1999



Tritanopia

71.5990, 17.9457, -62.7923

Trichromacy



Original Color

72.7170, 42.5375, -63.7728

Protanomaly

82.2750, 36.3464, -37.9522

Deuteranomaly

78.1100, 39.8788, -50.9625

Tritanomaly

72.0040, 27.1130, -63.1475

Monochromacy



Original Color

72.7170, 42.5375, -63.7728

Achromatopsia

73.0000, 0.0000, 0.0000

Achromatomaly

72.5700, 15.4950, -23.3019

CSS Examples

Text

The CSS property to change the color of the text to YUV 72.7170, 42.5375, -63.7728 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(0, 93, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 159)  
}
```

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(0, 93, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 159) }
```

Border

The CSS property to change the border of an element to YUV 72.7170, 42.5375, -63.7728 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(0, 93, 159) }
```


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

```
.border{ border-color:rgb(0, 93, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 159)  
}
```

Background

The CSS property to change the background color of an element to YUV 72.7170, 42.5375, -63.7728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 159) }
```

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

```
.background{ background-color: rgb(0, 93,  
159) }
```

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