

Converting Colors

YUV(75.7830, 39.0540,
-66.4617)

Have a look what the booklet for
YUV(75.7830, 39.0540, -66.4617)
contains.

YUV(75.7830, 39.0540, -66.4617)	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(75.7830, 39.0540,
-66.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	00639B
RGB	0, 99, 155
RGB Percent	0%, 39%, 61%
CMY	1.0000, 0.6118, 0.3922
CMYK	1.00, 0.36, 0.00, 0.39
HSL	202°, 100%, 30%
HSV	202°, 100%, 61%
XYZ	10.3782, 11.2902, 32.6426
YIQ	75.7830, -76.9800, -3.5720

Conversions

Conversions Part 2

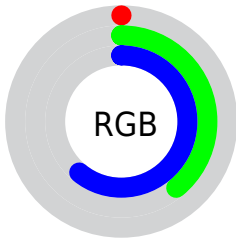
Format	Color
R _Y B	0, 60, 155
Decimal	25499
CIE Lab	40.07, -2.68, -37.19
CIE LCh	40, 37.288, 265.882
Yxy	11.2902, 0.1911, 0.2079
Android (android.graphics.Color)	4278215579 (0xFF00639B)
YUV	75.7830, 39.0540, -66.4617
Hunter-Lab	33.6009, -3.6688, -34.0783

Details

The YUV color **75.7830, 39.0540, -66.4617** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **79.2170, -39.0540, 66.4617**, and the grayscale version is **75.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.8180, 36.0787, -45.4444**, and **42.8530, 29.6525, -37.5821** is the 20% darker color. If you saturate the color by 10%, you get **75.7830, 39.0540, -66.4617**, and if you desaturate by 10%, it is **83.7900, 35.1065, -60.3288**.

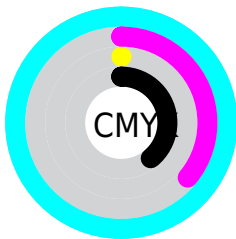
Distribution



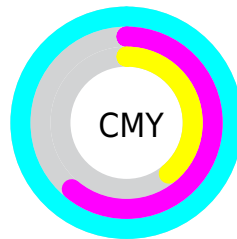
- Red (0%)
- Green (39%)
- Blue (61%)



- Red (0%)
- Yellow (24%)
- Blue (61%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YUV color 75.7830, 39.0540, -66.4617 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 75.7830, 39.0540, -66.4617 by changing the saturation by 10% instead.

■ 75.7830, 39.0540,
-66.4617

■ 75.7830, 39.0540,
-66.4617

■ 255.0000, 0.0000,
0.0000

■ 58.7310, 34.6426,
-51.5071

■ 136.8180, 36.0787,
-45.4444

■ 42.8530, 29.6525,
-37.5821

■ 164.5300, 36.2207,
-44.3148

■ 27.7900, 25.2465,
-24.3718

■ 190.9880, 31.5579,
-42.0855

■ 9.9060, 22.7243,
-8.6876

■ 216.0950, 19.1802,
-38.6713

■ 4.9360, 13.8356,
-4.3289

■ 239.1530, 7.8126,
-32.5832

■ 0.7980, 3.0576,
-0.6998

■ 247.8240, 3.5378,

■ 0.0000, 0.0000,

-14.7546

0.0000

■ 75.7830, 39.0540,
-66.4617

■ 83.7900, 35.1065,
-60.3288

■ 91.5090, 31.3011,
-53.0664

■ 99.8150, 27.2062,
-46.3188

■ 107.2350, 23.5481,
-39.6711

■ 115.5410, 19.4533,
-32.9235

■ 123.5480, 15.5058,
-26.7906

■ 130.9680, 11.8478,
-20.1429

■ 139.2740, 7.7529,
-13.3953

■ 146.6940, 4.0949,
-6.7476

Harmonies

Analogous

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



78.6380, 32.2235, -68.9655



75.7830, 39.0540, -66.4617



95.2530, 26.4973, -5.4839

Triad

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



75.7830, 39.0540, -66.4617



93.9200, -11.7926, 49.1822



82.7020, -11.6851, -32.1877

Complementary

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



75.7830, 39.0540, -66.4617



79.2170, -39.0540, 66.4617

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.



88.8060, -26.0334, -3.3379



75.7830, 39.0540, -66.4617



93.2380, -24.2743, 39.2563

Square

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



75.7830, 39.0540, -66.4617



95.5680, 2.1850, 45.9829



91.3360, -29.7456, 20.7533



74.1290, 7.3314, -65.0111

Rectangle

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



75.7830, 39.0540, -66.4617



97.5610, 19.4434, 17.0480



91.3360, -29.7456, 20.7533



85.5740, -17.5380, -21.5514

Sweetspot

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



75.7830, 39.0540, -66.4617



170.7330, 14.9216, -26.0758



97.1410, -21.2685, -85.1927



83.3060, 9.2161, -16.0544



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000

Same Dimension

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



75.7830, 39.0540, -66.4617



98.6370, 50.4650, -86.5046



31.1710, 61.0477, -27.3370



72.8470, 2.0474, -3.3738



68.7900, 35.1065, -60.3288



6.1780, 3.3632, -5.4181

Inverse Universe

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



57.6310, 20.3949, 85.3926



74.8050, 26.7181, 110.6730



123.8290, -61.0477, 27.3370



71.9620, 1.0047, 4.4183



52.1200, 18.6748, 77.0708



4.7990, 1.5781, 7.1923

Previews

White Background



This preview shows how the YUV color 75.7830, 39.0540, -66.4617 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 75.7830, 39.0540, -66.4617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

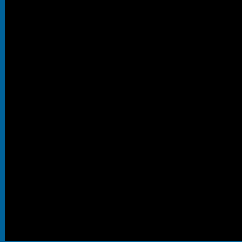
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 75.7830, 39.0540, -66.4617

Background



This preview shows how black text looks on a background with the YUV color 75.7830, 39.0540, -66.4617.



This preview shows how white text looks on a background with the YUV color 75.7830, 39.0540,

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



Protanopia

92.8170, 27.6982, -17.3795

Deuteranopia

89.6950, 32.6884, -31.3045

Tritanopia

74.4030, 18.5353, -65.2514

Trichromacy



Protanomaly

86.7330, 31.6836, -35.7228

Deuteranomaly

84.3020, 35.3471, -44.1149

Tritanomaly

75.0530, 26.1029, -65.8215

Monochromacy



Achromatopsia

76.0000, 0.0000, 0.0000

Achromatomaly

75.6300, 14.4794, -24.2315

CSS Examples

Text

The CSS property to change the color of the text to YUV 75.7830, 39.0540, -66.4617 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, 99, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 155)  
}
```

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, 99, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 155) }
```

Border

The CSS property to change the border of an element to YUV 75.7830, 39.0540, -66.4617 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, 99, 155) }
```

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

```
.border{ border-color:rgb(0, 99, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 155)  
}
```


Background

The CSS property to change the background color of an element to YUV 75.7830, 39.0540, -66.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 155) }
```

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

```
.background{ background-color: rgb(0, 99,  
155) }
```

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