

# Converting Colors

YUV(68.4990, 26.3760,  
-60.0736)

Have a look what the booklet for  
YUV(68.4990, 26.3760, -60.0736)  
contains.

<b>YUV(68.4990, 26.3760, -60.0736)</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(68.4990, 26.3760,  
-60.0736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005D7A
RGB	0, 93, 122
RGB Percent	0%, 36%, 48%
CMY	1.0000, 0.6353, 0.5216
CMYK	1.00, 0.24, 0.00, 0.52
HSL	194°, 100%, 24%
HSV	194°, 100%, 48%
XYZ	7.4272, 9.2338, 19.8032
YIQ	68.4990, -64.7370, -10.6970

# Conversions

## Conversions Part 2

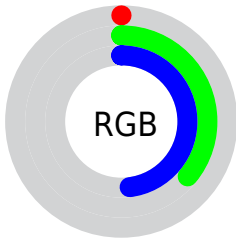
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 53, 122
Decimal	23930
CIELab	36.43, -12.23, -22.92
CIELCh	36, 25.977, 241.911
Yxy	9.2338, 0.2037, 0.2532
Android (android.graphics.Color)	4278214010 (0xFF005D7A)
YUV	68.4990, 26.3760, -60.0736
Hunter-Lab	30.3872, -9.5490, -17.3679

# Details

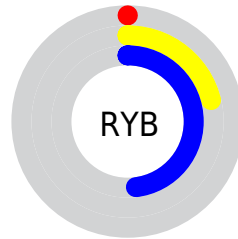
The YUV color **68.4990, 26.3760, -60.0736** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **53.5010, -26.3760, 60.0736**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.6150, 23.8538, -44.3894**, and **35.9110, 18.2849, -31.4939** is the 20% darker color. If you saturate the color by 10%, you get **68.4990, 26.3760, -60.0736**, and if you desaturate by 10%, it is **73.8480, 23.7389, -54.2407**.

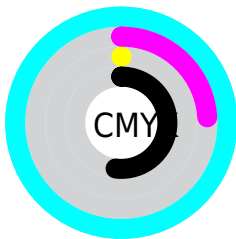
# Distribution



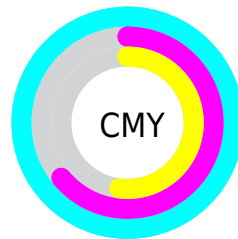
- Red (0%)
- Green (36%)
- Blue (48%)



- Red (0%)
- Yellow (21%)
- Blue (48%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (64%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.4990, 26.3760, -60.0736 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 68.4990, 26.3760, -60.0736 by changing the saturation by 10% instead.



68.4990, 26.3760,  
-60.0736

68.4990, 26.3760,  
-60.0736

255.0000, 0.0000,  
0.0000

51.5610, 22.4014,  
-45.2190

126.6150, 23.8538,  
-44.3894

35.9110, 18.2849,  
-31.4939

153.9140, 23.7064,  
-43.7746

21.5490, 14.0263,  
-18.8985

181.3270, 23.9958,  
-43.2598

4.4800, 12.0884,  
-3.9290

208.9850, 22.6854,  
-42.9598

0.0000, 0.0000,  
0.0000

234.6790, 10.0183,  
-40.0605

243.9370, 5.4541,

-22.7467

252.6080, 1.1793,  
-4.9182

68.4990, 26.3760,  
-60.0736

73.8480, 23.7389,  
-54.2407

79.1970, 21.1019,  
-48.4078

84.8450, 18.3174,  
-41.9601

90.1940, 15.6804,  
-36.1271

95.5430, 13.0433,  
-30.2942

■ 100.3050, 10.6956,  
-23.9465

■ 105.6540, 8.0586,  
-18.1136

■ 111.3020, 5.2741,  
-11.6659

■ 116.6510, 2.6371,  
-5.8329

# Harmonies

## Analogous

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



68.5500, 18.9559, -60.1183



68.4990, 26.3760, -60.0736



81.9920, 22.1889, -23.6720

# Triad

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



68.4990, 26.3760, -60.0736



87.5680, -1.2660, 32.8279



81.7270, -16.1344, -5.0226

# Complementary

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



68.4990, 26.3760, -60.0736



53.5010, -26.3760, 60.0736

# 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.



84.0990, -20.2618, 12.1912



68.4990, 26.3760, -60.0736



86.4620, -10.5808, 33.7978

# Square

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



68.4990, 26.3760, -60.0736



88.1350, 8.8074, 21.8066



85.7570, -18.1212, 25.6461



78.1250, -6.4706, -24.6656



# Rectangle

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



68.4990, 26.3760, -60.0736



85.8910, 18.7877, -6.0434



85.7570, -18.1212, 25.6461



82.6030, -18.0453, 1.2252

# Sweetspot

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



68.4990, 26.3760, -60.0736



137.4900, 10.1114, -23.2317



74.8060, -23.0754, -65.6049



66.5190, 6.1531, -13.6102



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



68.4990, 26.3760, -60.0736



89.0390, 33.9978, -78.0872



33.2790, 43.7395, -29.1857



58.6190, 1.1738, -3.1739



70.0150, 27.1076, -61.4032



141.4320, 54.5100, -124.0359



# Inverse Universe

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



47.0800, 22.6386, 65.7048



61.0360, 29.5623, 85.0374



88.7210, -43.7395, 29.1857



57.3640, 1.2995, 3.1888



48.2050, 23.0699, 67.3492



97.2360, 46.7187, 135.7280



# Previews

## White Background



This preview shows how the YUV color 68.4990, 26.3760, -60.0736 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 ✓ Pass



# Black Background



This preview shows how the YUV color 68.4990, 26.3760, -60.0736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

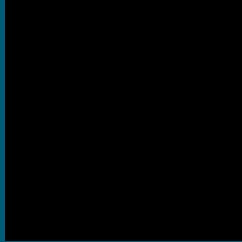
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.4990, 26.3760, -60.0736

## Background



This preview shows how black text looks on a background with the YUV color 68.4990, 26.3760, -60.0736.



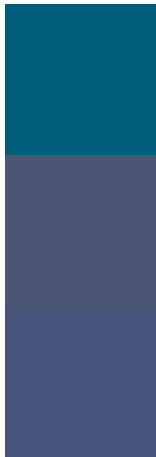
This preview shows how white text looks on a background with the YUV color 68.4990, 26.3760,



# 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

68.4990, 26.3760, -60.0736

### Protanopia

86.1420, 14.7200, -8.0175

### Deuteranopia

85.2600, 19.0988, -12.5060



## Tritanopia

67.5070, 17.4980, -59.2036

# Trichromacy



## Original Color

68.4990, 26.3760, -60.0736

## Protanomaly

79.7590, 18.8528, -26.9756

## Deuteranomaly

79.1330, 21.6264, -29.9346

## Tritanomaly

67.7180, 20.8450, -59.3887

# Monochromacy



## Original Color

68.4990, 26.3760, -60.0736

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

68.0880, 9.8166, -22.0022

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.4990, 26.3760, -60.0736 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 122) }
```

## Border

The CSS property to change the border of an element to YUV 68.4990, 26.3760, -60.0736 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, 122) }
```



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

```
.border{ border-color:rgb(0, 93, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 122)  
}
```

# Background

The CSS property to change the background color of an element to YUV 68.4990, 26.3760, -60.0736 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, 122) }
```

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

```
.background{ background-color: rgb(0, 93,  
122) }
```

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