

# Converting Colors

YUV(78.0390, 17.2358,  
-68.4402)

Have a look what the booklet for  
YUV(78.0390, 17.2358, -68.4402)  
contains.

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# Color

**YUV(78.0390, 17.2358,  
-68.4402)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	006F71
RGB	0, 111, 113
RGB Percent	0%, 44%, 44%
CMY	1.0000, 0.5647, 0.5569
CMYK	1.00, 0.02, 0.00, 0.56
HSL	181°, 100%, 22%
HSV	181°, 100%, 44%
XYZ	8.6651, 12.5611, 17.5906
YIQ	78.0390, -66.7980, -22.9100

# Conversions

## Conversions Part 2

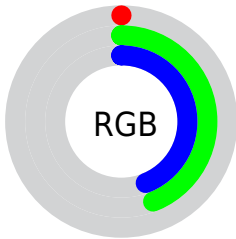
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 56, 113
Decimal	28529
CIELab	42.09, -25.37, -8.76
CIELCh	42, 26.844, 199.057
Yxy	12.5611, 0.2232, 0.3236
Android (android.graphics.Color)	4278218609 (0xFF006F71)
YUV	78.0390, 17.2358, -68.4402
Hunter-Lab	35.4417, -18.3818, -4.6180

# Details

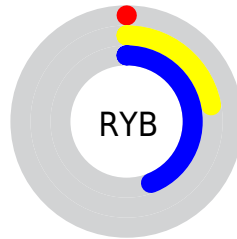
The YUV color **78.0390, 17.2358, -68.4402** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **34.9610, -17.2358, 68.4402**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.5140, 13.5506, -53.0708**, and **44.3910, 10.1602, -38.9309** is the 20% darker color. If you saturate the color by 10%, you get **78.0390, 17.2358, -68.4402**, and if you desaturate by 10%, it is **81.3280, 15.6143, -61.6777**.

# Distribution



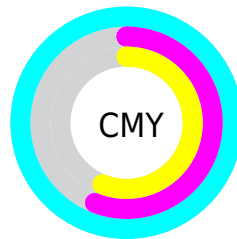
- Red (0%)
- Green (44%)
- Blue (44%)



- Red (0%)
- Yellow (22%)
- Blue (44%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 78.0390, 17.2358, -68.4402 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 78.0390, 17.2358, -68.4402 by changing the saturation by 10% instead.



■ 78.0390, 17.2358,  
-68.4402

■ 78.0390, 17.2358,  
-68.4402

■ 255.0000, 0.0000,  
0.0000

■ 60.6280, 13.9874,  
-53.1708

■ 137.5140, 13.5506,  
-53.0708

■ 44.3910, 10.1602,  
-38.9309

■ 164.8130, 13.4032,  
-52.4560

■ 28.3820, 7.2067,  
-24.8910

■ 192.8130, 13.4032,  
-52.4560

■ 11.4270, 5.7055,  
-10.0215

■ 221.4000, 13.1138,  
-52.9708

■ 0.0000, 0.0000,  
0.0000

■ 235.5650, 9.5815,  
-39.9605

■ 244.2360, 5.3067,

-22.1320

253.2060, 0.8844,  
-3.6887

78.0390, 17.2358,  
-68.4402

81.3280, 15.6143,  
-61.6777

84.9160, 13.8454,  
-54.3003

88.7920, 11.9345,  
-48.0526

92.0810, 10.3131,  
-41.2900

95.6690, 8.5442,  
-33.9127

■ 98.9580, 6.9227,  
-27.1502

■ 102.2470, 5.3012,  
-20.3876

■ 106.1230, 3.3904,  
-14.1399

■ 109.7110, 1.6215,  
-6.7625

# Harmonies

## Analogous

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



88.8720, 0.5561, -38.4757



78.0390, 17.2358, -68.4402



79.0310, 26.1137, -69.3102

# Triad

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



78.0390, 17.2358, -68.4402



101.8290, 12.9023, 15.0590



98.3280, -20.8677, 19.8833

# Complementary

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



78.0390, 17.2358, -68.4402



34.9610, -17.2358, 68.4402

# 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.



99.9580, -16.2483, 31.6088



78.0390, 17.2358, -68.4402



101.9960, 2.9600, 30.6985

# Square

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



78.0390, 17.2358, -68.4402



99.9230, 20.2510, -8.7025



100.3960, -7.0972, 36.4867



96.2720, -19.3611, 3.2695



# Rectangle

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



78.0390, 17.2358, -68.4402



88.9460, 25.1696, -46.4336



100.3960, -7.0972, 36.4867



99.1760, -20.2998, 24.4016

# Sweetspot

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



78.0390, 17.2358, -68.4402



134.2570, 6.7753, -26.5354



66.5590, -31.8276, -58.3722



65.3400, 4.2694, -16.0842



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.



78.0390, 17.2358, -68.4402



101.9870, 22.6844, -89.4426



45.1670, 33.4417, -39.6115



54.2060, 0.8844, -3.6887



82.9460, 18.2676, -72.7436



170.7990, 37.5671, -149.7907



# Inverse Universe

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



46.4410, 31.8276, 58.3722



60.7820, 41.5195, 76.4902



67.8330, -33.4417, 39.6115



52.4780, 1.7363, 3.0888



49.3320, 33.8533, 61.9758



101.5550, 69.7324, 127.5553



# Previews

## White Background



This preview shows how the YUV color 78.0390, 17.2358, -68.4402 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 78.0390, 17.2358, -68.4402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

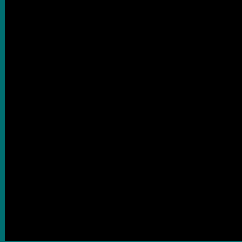
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 78.0390, 17.2358, -68.4402

## Background



This preview shows how black text looks on a background with the YUV color 78.0390, 17.2358, -68.4402.



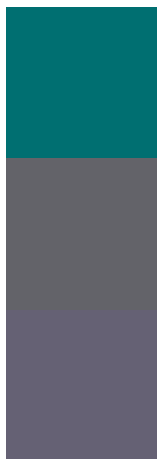
This preview shows how white text looks on a background with the YUV color 78.0390, 17.2358,



# 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

78.0390, 17.2358, -68.4402

### Protanopia

99.6840, 2.6208, -0.5999

### Deuteranopia

100.3620, 7.7095, 0.5595



**Tritanopia**

83.5180, 17.4926, -57.4593

# Trichromacy



## Original Color

78.0390, 17.2358, -68.4402

## Protanomaly

91.6100, 8.0803, -25.0910

## Deuteranomaly

92.1200, 11.2798, -24.6612

## Tritanomaly

81.1970, 17.6509, -61.5628

# Monochromacy



## Original Color

78.0390, 17.2358, -68.4402

## Achromatopsia

78.0000, 0.0000, 0.0000

## Achromatomaly

78.1540, 6.3331, -24.6911

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.0390, 17.2358, -68.4402 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, 111, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 113)  
}
```

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, 111, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 113) }
```

## Border

The CSS property to change the border of an element to YUV 78.0390, 17.2358, -68.4402 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, 111, 113) }
```



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

```
.border{ border-color:rgb(0, 111, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
113) }
```

# Background

The CSS property to change the background color of an element to YUV 78.0390, 17.2358, -68.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 113) }
```

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

```
.background{ background-color: rgb(0, 111,  
113) }
```

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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