

# Converting Colors

YIQ(78.0070, -71.7990, -3.8550)

Have a look what the booklet for  
YIQ(78.0070, -71.7990, -3.8550)  
contains.

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# Color

**YIQ(78.0070, -71.7990,  
-3.8550)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	076497
RGB	7, 100, 151
RGB Percent	3%, 39%, 59%
CMY	0.9726, 0.6077, 0.4082
CMYK	0.95, 0.34, 0.00, 0.41
HSL	201°, 91%, 31%
HSV	201°, 95%, 59%
XYZ	10.2271, 11.3984, 30.9040
YIQ	78.0070, -71.7990, -3.8550

# Conversions

## Conversions Part 2

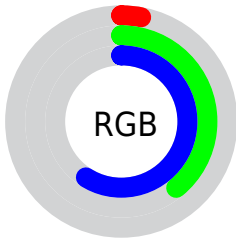
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 64, 151
Decimal	484503
CIELab	40.24, -4.61, -34.46
CIELCh	40, 34.772, 262.377
Yxy	11.3984, 0.1947, 0.2170
Android (android.graphics.Color)	4278674583 (0xFF076497)
YUV	78.0070, 35.9855, -62.2731
Hunter-Lab	33.7615, -5.0109, -30.6387

# Details

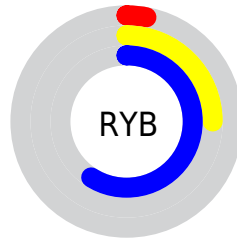
The YIQ color **78.0070, -71.7990, -3.8550** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **79.9930, 71.7990, 3.8550**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.5360, -56.9910, 3.1130**, and **43.0980, -46.9500, 2.8580** is the 20% darker color. If you saturate the color by 10%, you get **74.7400, -75.4210, -4.2930**, and if you desaturate by 10%, it is **85.4270, -64.2340, -3.2900**.

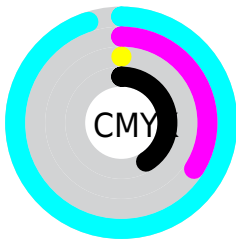
# Distribution



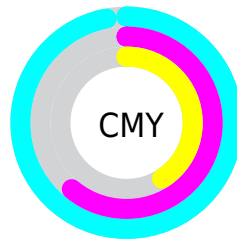
- Red (3%)
- Green (39%)
- Blue (59%)



- Red (3%)
- Yellow (25%)
- Blue (59%)



- Cyan (95%)
- Magenta (34%)
- Yellow (0%)
- Black (41%)



- Cyan (97%)
- Magenta (61%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.0070, -71.7990, -3.8550 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 YIQ color 78.0070, -71.7990, -3.8550 by changing the saturation by 10% instead.



■ 78.0070, -71.7990,  
-3.8550

■ 78.0070, -71.7990,  
-3.8550

■ 255.0000, -0.0000,  
-0.0000

■ 58.8620, -61.0250,  
-0.8730

■ 137.4220,  
-56.6700, 2.8020

■ 43.0980, -46.9500,  
2.8580

■ 164.9600,  
-55.2490, 4.5830

■ 27.9210, -33.1500,  
6.0660

■ 192.4610,  
-52.4060, 2.6180

■ 9.5640, -18.6630,  
13.3450

■ 217.2690,  
-43.4180, -6.0900

■ 4.5940, -10.1800,  
8.2840

■ 239.1530,  
-31.5880, -11.2360

■ 0.1140, -0.3210,  
0.3110

■ 247.8240,

■ 0.0000, 0.0000,

-14.3040, -5.0880

0.0000

■ 78.0070, -71.7990,  
-3.8550

■ 78.0070, -71.7990,  
-3.8550

■ 74.7400, -75.4210,  
-4.2930

■ 85.4270, -64.2340,  
-3.2900

■ 93.4340, -56.9440,  
-3.2480

■ 100.8540,  
-49.3790, -2.6830

■ 108.2740,  
-41.8140, -2.1180

■ 116.2810,  
-34.5240, -2.0760

■ 124.0000,  
-26.3630, -1.2990

■ 131.4200,  
-18.7980, -0.7340

■ 139.4270,  
-11.5080, -0.6920

■ 146.8470, -3.9430,  
-0.1270

# Harmonies

## Analogous

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



78.0680, -73.7690, -12.2090



78.0070, -71.7990, -3.8550



95.0030, -21.2770, 16.6670

# Triad

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



78.0070, -71.7990, -3.8550



95.0660, 44.3330, 17.0450



85.6920, -14.7130, -25.2170

# Complementary

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



78.0070, -71.7990, -3.8550



79.9930, 71.7990, 3.8550

# 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.



90.1700, 13.3000, -20.7800



78.0070, -71.7990, -3.8550



94.0360, 43.8770, 3.2770

# Square

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



78.0070, -71.7990, -3.8550



96.1760, 32.6400, 25.2160



92.9170, 33.4260, -11.0700



73.7870, -57.5810, -30.2610



# Rectangle

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



78.0070, -71.7990, -3.8550



97.8270, -0.0500, 22.9420



92.9170, 33.4260, -11.0700



87.4930, -3.8470, -23.9030

# Sweetspot

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



78.0070, -71.7990, -3.8550



167.2170, -28.4720, -1.6240



97.2280, -55.6500, -59.7620



81.7900, -16.9640, -0.9320



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



78.0070, -71.7990, -3.8550



96.8930, -97.8410, -5.4650



36.3300, -52.2740, 33.2780



72.8470, -3.9430, -0.1270



69.3770, -69.9650, -4.0530



6.1780, -6.3730, -0.1410



# Inverse Universe

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



60.6580, 55.9710, 59.4510



73.0820, 76.0490, 81.0490



121.6700, 52.2740, -33.2780



71.9620, 3.1630, 3.2510



52.2340, 54.2290, 57.9810



4.7990, 5.1800, 5.2440



# Previews

## White Background



This preview shows how the YIQ color 78.0070, -71.7990, -3.8550 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 YIQ color 78.0070, -71.7990, -3.8550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

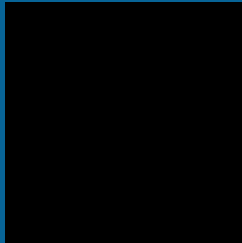
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 78.0070, -71.7990, -3.8550**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.0070, -71.7990, -3.8550.



This preview shows how white text looks on a background with the YIQ color 78.0070, -71.7990,

-3.8550.

# 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

78.0070, -71.7990, -3.8550

### Protanopia

93.8450, -26.8240, 12.5680

### Deuteranopia

91.3320, -38.5610, 10.5190



## Tritanopia

74.5170, -65.1480, -19.7720

# Trichromacy



## Original Color

78.0070, -71.7990, -3.8550

## Protanomaly

88.3590, -43.1910, 6.3210

## Deuteranomaly

86.5260, -51.0310, 5.2330

## Tritanomaly

75.8360, -67.3040, -13.7360

# Monochromacy



## Original Color

78.0070, -71.7990, -3.8550

## Achromatopsia

78.0000, -0.0000, -0.0000

## Achromatomaly

78.0000, -26.3630, -1.2990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.0070, -71.7990, -3.8550 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(7, 100, 151)` looks like.

```
.text, #text, p{  
    color:rgb(7, 100, 151)  
}
```

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(7, 100, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 100, 151) }
```

## Border

The CSS property to change the border of an element to YIQ 78.0070, -71.7990, -3.8550 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(7, 100, 151) }
```



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

```
.border{ border-color:rgb(7, 100, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 100, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 100, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 100, 151);  
box-shadow:4px 4px 4px 4px rgb(7, 100,  
151) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.0070, -71.7990, -3.8550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 100, 151) }
```

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

```
.background{ background-color: rgb(7, 100,  
151) }
```

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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