

# Converting Colors

YIQ(76.3450, 68.2990, 89.3470)

Have a look what the booklet for  
YIQ(76.3450, 68.2990, 89.3470)  
contains.

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# Color

**YIQ(76.3450, 68.2990,  
89.3470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C50099
RGB	197, 0, 153
RGB Percent	77%, 0%, 60%
CMY	0.2269, 0.9999, 0.3998
CMYK	0.00, 1.00, 0.22, 0.23
HSL	313°, 100%, 39%
HSV	313°, 100%, 77%
XYZ	28.8166, 14.1909, 31.3742
YIQ	76.3450, 68.2990, 89.3470

# Conversions

## Conversions Part 2

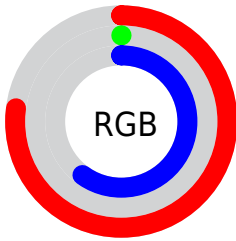
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 0, 153
Decimal	12910745
CIELab	44.51, 75.10, -27.78
CIELCh	45, 80.070, 339.700
Yxy	14.1909, 0.3874, 0.1908
Android (android.graphics.Color)	4291100825 (0xFFC50099)
YUV	76.3450, 37.7909, 105.8144
Hunter-Lab	37.6709, 70.6210, -23.0101

# Details

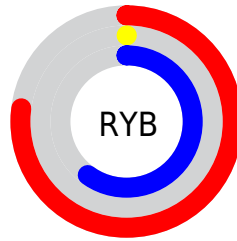
The YIQ color **76.3450, 68.2990, 89.3470** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **120.6550, -68.2990, -89.3470**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.2000, 60.7370, 72.2010**, and **52.8900, 49.5060, 60.9780** is the 20% darker color. If you saturate the color by 10%, you get **76.3450, 68.2990, 89.3470**, and if you desaturate by 10%, it is **88.5410, 61.5150, 80.1310**.

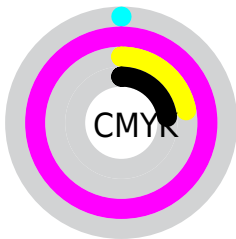
# Distribution



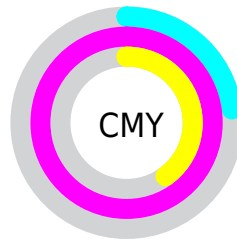
- Red (77%)
- Green (0%)
- Blue (60%)



- Red (77%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (23%)




- Cyan (23%)
- Magenta (100%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.3450, 68.2990, 89.3470 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 76.3450, 68.2990, 89.3470 by changing the saturation by 10% instead.





 76.3450, 68.2990,  
89.3470


 76.3450, 68.2990,  
89.3470


255.0000, -0.0000,  
-0.0000

 64.4110, 58.7650,  
74.9010


 152.2000, 60.7370,  
72.2010


 52.8900, 49.5060,  
60.9780


 173.0020, 43.4990,  
65.2190


 41.3690, 40.2470,  
47.0550


 192.7780, 29.1500,  
55.4380

 30.3750, 30.9420,  
33.9660

 209.8010, 21.1750,  
40.2710

 19.7940, 21.9120,  
21.4000

 227.4110, 12.9250,  
24.5810

 5.7240, 9.7650,  
4.7490

 245.0210, 4.6750,

 0.0000, 0.0000,

8.8910

0.0000

■ 76.3450, 68.2990,  
89.3470

■ 88.5410, 61.5150,  
80.1310

■ 100.2640, 54.6850,  
71.7490

■ 112.4600, 47.9010,  
62.5330

■ 124.7700, 40.7960,  
53.6280

■ 136.9660, 34.0120,  
44.4120

■ 148.6890, 27.1820,  
36.0300

■ 160.8850, 20.3980,  
26.8140

■ 173.0810, 13.6140,  
17.5980

■ 184.8040, 6.7840,  
9.2160

# Harmonies

## Analogous

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



105.9490, -10.8760, 53.9560



76.3450, 68.2990, 89.3470



74.8010, 101.4050, 73.0610

# Triad

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



76.3450, 68.2990, 89.3470



97.4600, 35.3100, -34.2100



99.1440, -97.2900, -9.9460

# Complementary

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



76.3450, 68.2990, 89.3470



120.6550, -68.2990, -89.3470

# 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.



91.8480, -76.7460, -29.8500



76.3450, 68.2990, 89.3470



75.7890, -26.6730, -61.7850

# Square

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



76.3450, 68.2990, 89.3470



98.3440, 74.6440, -9.1640



82.5800, -53.4050, -50.8850



99.8230, -108.8470, 6.7770



# Rectangle

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



76.3450, 68.2990, 89.3470



72.2140, 109.7070, 54.7550



82.5800, -53.4050, -50.8850



96.8640, -90.8700, -16.1660

# Sweetspot

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



76.3450, 68.2990, 89.3470



208.4500, 26.3570, 34.4610



35.3150, -37.6090, 70.3830



99.7440, 16.1810, 20.6370



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



76.3450, 68.2990, 89.3470



98.8170, 88.4220, 115.6380



65.2870, 99.4360, 59.1800



93.4890, 3.1170, 4.0850



63.2150, 56.3810, 74.0530



13.9560, 12.4680, 16.3400



# Inverse Universe

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



76.3450, 68.2990, 89.3470



98.8170, 88.4220, 115.6380



131.7130, -99.4360, -59.1800



93.4890, 3.1170, 4.0850



63.2150, 56.3810, 74.0530



13.9560, 12.4680, 16.3400



# Previews

## White Background



This preview shows how the YIQ color 76.3450, 68.2990, 89.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

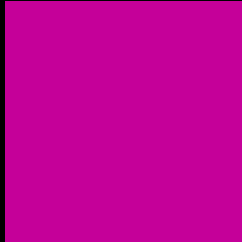
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 76.3450, 68.2990, 89.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

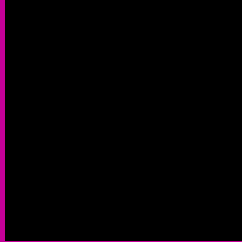
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 76.3450, 68.2990, 89.3470**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.3450, 68.2990, 89.3470.



This preview shows how white text looks on a background with the YIQ color 76.3450, 68.2990,



# 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

76.3450, 68.2990, 89.3470

### Protanopia

93.5600, -82.7610, 18.6070

### Deuteranopia

107.8260, -16.6450, 9.8110



## Tritanopia

99.2120, 76.5170, 28.4930

# Trichromacy



## Original Color

76.3450, 68.2990, 89.3470



## Protanomaly

87.1700, -27.9760, 44.4720



## Deuteranomaly

96.1530, 14.2520, 39.0840



## Tritanomaly

90.9570, 73.7620, 50.8980

# Monochromacy



## Original Color

76.3450, 68.2990, 89.3470



## Achromatopsia

76.0000, -0.0000, -0.0000



## Achromatomaly

75.9120, 24.9360, 32.6800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.3450, 68.2990, 89.3470 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(197, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 153)  
}
```

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(197, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 76.3450, 68.2990, 89.3470 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(197, 0, 153) }
```



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

```
.border{ border-color:rgb(197, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.3450, 68.2990, 89.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 153) }
```

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

```
.background{ background-color: rgb(197, 0,  
153) }
```

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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