

# Converting Colors

YIQ(62.9700, 72.8880, 66.7440)

Have a look what the booklet for  
YIQ(62.9700, 72.8880, 66.7440)  
contains.

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# Color

**YIQ(62.9700, 72.8880,  
66.7440)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE0060
RGB	174, 0, 96
RGB Percent	68%, 0%, 38%
CMY	0.3172, 0.9999, 0.6233
CMYK	0.00, 1.00, 0.45, 0.32
HSL	327°, 100%, 34%
HSV	327°, 100%, 68%
XYZ	19.5963, 9.8581, 11.9495
YIQ	62.9700, 72.8880, 66.7440

# Conversions

## Conversions Part 2

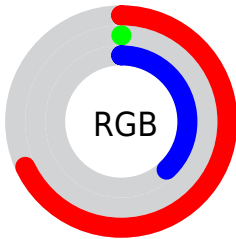
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 0, 96
Decimal	11403360
CIELab	37.59, 64.40, -3.36
CIELCh	38, 64.492, 357.010
Yxy	9.8581, 0.4733, 0.2381
Android (android.graphics.Color)	4289593440 (0xFFAE0060)
YUV	62.9700, 16.2838, 97.3733
Hunter-Lab	31.3976, 56.4623, -0.5867

# Details

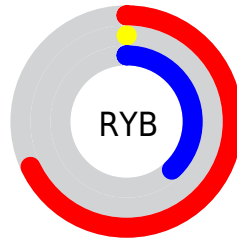
The YIQ color **62.9700, 72.8880, 66.7440** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **111.0300, -72.8880, -66.7440**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.1570, 70.3230, 52.6510**, and **40.0850, 52.4900, 39.9300** is the 20% darker color. If you saturate the color by 10%, you get **62.9700, 72.8880, 66.7440**, and if you desaturate by 10%, it is **73.8610, 65.6450, 60.3410**.

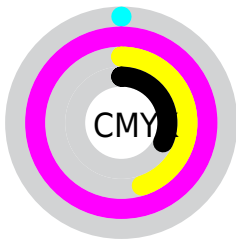
# Distribution



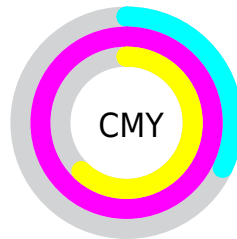
- Red (68%)
- Green (0%)
- Blue (38%)



- Red (68%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 62.9700, 72.8880, 66.7440 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 62.9700, 72.8880, 66.7440 by changing the saturation by 10% instead.



■ 62.9700, 72.8880,  
66.7440

■ 62.9700, 72.8880,  
66.7440

255.0000, -0.0000,  
-0.0000

■ 51.5630, 63.3080,  
53.1320

■ 134.4560, 70.9190,  
52.8630

■ 40.0850, 52.4900,  
39.9300

■ 160.5370, 66.1970,  
50.3330

■ 29.0200, 41.9470,  
27.2510

■ 180.0510, 49.8300,  
44.0860

■ 18.2820, 34.7970,  
13.6530

■ 200.2660, 32.8670,  
37.6270

■ 6.8770, 13.7080,  
4.8760

■ 220.3670, 16.2250,  
30.8570

■ 0.0000, 0.0000,  
0.0000

■ 237.9770, 7.9750,

15.1670

■ 62.9700, 72.8880,  
66.7440

■ 73.8610, 65.6450,  
60.3410

■ 85.3390, 58.1270,  
53.4150

■ 96.1160, 51.2050,  
46.7010

■ 107.5940, 43.6870,  
39.7750

■ 118.4850, 36.4440,  
33.3720

■ 129.3760, 29.2010,  
26.9690

■ 140.8540, 21.6830,  
20.0430

■ 151.7450, 14.4400,  
13.6400

■ 163.1090, 7.2430,  
6.4030

# Harmonies

## Analogous

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



86.1150, 26.5830, 52.3990



62.9700, 72.8880, 66.7440



71.8310, 82.3840, 37.8080

# Triad

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



62.9700, 72.8880, 66.7440



76.6510, 9.7270, -38.6330



82.8730, -85.9210, -1.2250

# Complementary

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



62.9700, 72.8880, 66.7440



111.0300, -72.8880, -66.7440

# 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.



79.9600, -73.5850, -15.5450



62.9700, 72.8880, 66.7440



64.9580, -36.8540, -47.9740

# Square

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



62.9700, 72.8880, 66.7440



83.6820, 43.9730, -20.4990



73.9180, -56.5720, -32.0280



79.0550, -88.9490, 9.6030



# Rectangle

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



62.9700, 72.8880, 66.7440



78.2870, 79.9590, 10.1590



73.9180, -56.5720, -32.0280



82.6790, -82.6190, -6.0030

# Sweetspot

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



62.9700, 72.8880, 66.7440



183.5500, 28.6510, 25.9230



42.2610, -11.1540, 70.0140



88.1800, 17.6490, 16.0570



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



62.9700, 72.8880, 66.7440



82.1230, 95.1670, 86.9990



53.3940, 99.8520, 40.6200



81.2610, 3.7590, 3.4630



54.3120, 62.7570, 57.6130



8.3590, 9.5350, 8.9190



# Inverse Universe

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



62.9700, 72.8880, 66.7440



82.1230, 95.1670, 86.9990



120.7200, -100.1730, -40.3090



81.2610, 3.7590, 3.4630



54.3120, 62.7570, 57.6130



8.3590, 9.5350, 8.9190



# Previews

## White Background



This preview shows how the YIQ color 62.9700, 72.8880, 66.7440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

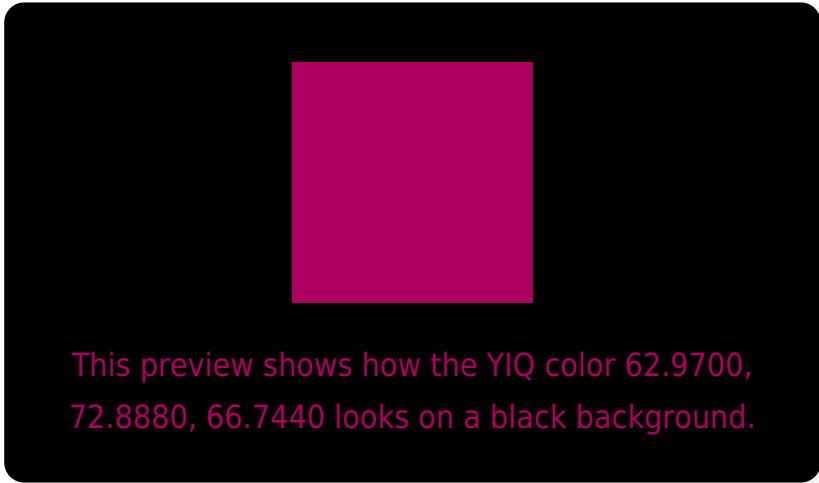
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

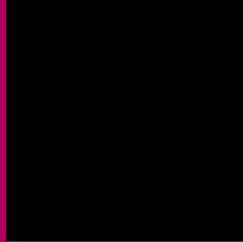
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 62.9700, 72.8880, 66.7440

## Background



This preview shows how black text looks on a background with the YIQ color 62.9700, 72.8880, 66.7440.



This preview shows how white text looks on a background with the YIQ color 62.9700, 72.8880,



# 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

62.9700, 72.8880, 66.7440

### Protanopia

90.6880, -24.9440, 11.5360

### Deuteranopia

92.0010, 7.4270, 3.0670



## Tritanopia

77.8810, 78.9470, 28.5070

# Trichromacy



## Original Color

62.9700, 72.8880, 66.7440

## Protanomaly

80.3710, 10.4020, 31.7620

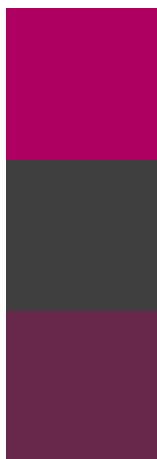
## Deuteranomaly

81.6320, 31.3560, 26.4600

## Tritanomaly

72.3560, 76.6520, 42.5720

# Monochromacy



## Original Color

62.9700, 72.8880, 66.7440

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

62.8270, 26.3130, 24.2410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 62.9700, 72.8880, 66.7440 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(174, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 96)  
}
```

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(174, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 96) }
```

## Border

The CSS property to change the border of an element to YIQ 62.9700, 72.8880, 66.7440 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(174, 0, 96) }
```



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

```
.border{ border-color:rgb(174, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(174, 0, 96)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 62.9700, 72.8880, 66.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 96) }
```

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

```
.background{ background-color: rgb(174, 0,  
96) }
```

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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