

# Converting Colors

YIQ(75.9670, 67.8020, 48.7780)

Have a look what the booklet for  
YIQ(75.9670, 67.8020, 48.7780)  
contains.

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# Color

**YIQ(75.9670, 67.8020,  
48.7780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB1A54
RGB	171, 26, 84
RGB Percent	67%, 10%, 33%
CMY	0.3290, 0.8982, 0.6704
CMYK	0.00, 0.85, 0.51, 0.33
HSL	336°, 74%, 39%
HSV	336°, 85%, 67%
XYZ	18.7863, 10.0459, 9.3482
YIQ	75.9670, 67.8020, 48.7780

# Conversions

## Conversions Part 2

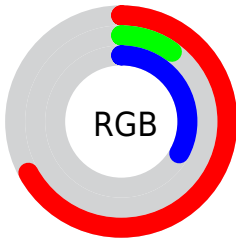
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 26, 84
Decimal	11213396
CIE <sub>Lab</sub>	37.92, 58.82, 4.74
CIE <sub>LCh</sub>	38, 59.010, 4.610
Yxy	10.0459, 0.4920, 0.2631
Android (android.graphics.Color)	4289403476 (0xFFAB1A54)
YUV	75.9670, 3.9603, 83.3439
Hunter-Lab	31.6953, 50.3328, 4.6998

# Details

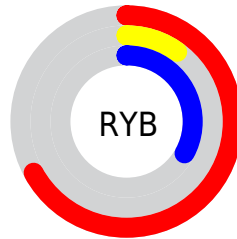
The YIQ color **75.9670, 67.8020, 48.7780** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **121.0330, -67.8020, -48.7780**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.4740, 70.5080, 43.7880**, and **38.0480, 53.9120, 36.1840** is the 20% darker color. If you saturate the color by 10%, you get **64.8480, 75.6870, 54.5590**, and if you desaturate by 10%, it is **87.0860, 59.9170, 42.9970**.

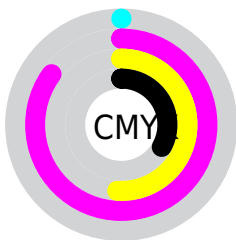
# Distribution



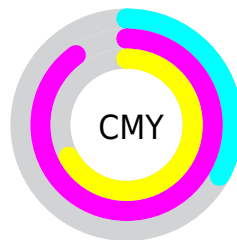
- Red (67%)
- Green (10%)
- Blue (33%)



- Red (67%)
- Yellow (10%)
- Blue (33%)



- Cyan (0%)
- Magenta (85%)
- Yellow (51%)
- Black (33%)



- Cyan (33%)
- Magenta (90%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.9670, 67.8020, 48.7780 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 75.9670, 67.8020, 48.7780 by changing the saturation by 10% instead.



75.9670, 67.8020,  
48.7780

75.9670, 67.8020,  
48.7780

255.0000, -0.0000,  
-0.0000

49.4120, 65.0510,  
49.0750

136.4740, 70.5080,  
43.7880

38.0480, 53.9120,  
36.1840

163.0500, 68.7660,  
42.3180

27.2820, 43.9650,  
23.7170

182.5640, 52.3990,  
36.0710

17.2710, 33.3300,  
12.7060

202.1920, 35.7110,  
30.1350

4.7840, 9.5360,  
3.3920

222.4070, 18.7480,  
23.6760

0.0000, 0.0000,  
0.0000

240.9120, 6.6000,

12.5520

■ 75.9670, 67.8020,  
48.7780

■ 75.9670, 67.8020,  
48.7780

■ 64.8480, 75.6870,  
54.5590

■ 87.0860, 59.9170,  
42.9970

■ 58.8810, 80.0880,  
57.4000

■ 98.3190, 51.7110,  
37.5270

■ 109.4380, 43.8260,  
31.7460

■ 120.5570, 35.9410,  
25.9650

■ 132.2630, 27.7810,  
19.6610

■ 143.4960, 19.5750,  
14.1910

■ 154.6150, 11.6900,  
8.4100

■ 165.7340, 3.8050,  
2.6290

■ 176.8530, -4.0800,  
-3.1520

# Harmonies

## Analogous

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



86.4980, 35.5700, 49.2180



75.9670, 67.8020, 48.7780



80.0820, 73.7670, 23.2630

# Triad

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



75.9670, 67.8020, 48.7780



74.5360, 2.6210, -42.0110



81.6990, -85.3710, -0.1790

# Complementary

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



75.9670, 67.8020, 48.7780



121.0330, -67.8020, -48.7780

# 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.



80.2850, -75.8780, -12.5340



75.9670, 67.8020, 48.7780



67.9390, -43.8700, -41.9660

# Square

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



75.9670, 67.8020, 48.7780



83.3280, 36.0420, -25.4460



75.5140, -61.0660, -27.6740



75.7950, -85.2810, 9.2070



# Rectangle

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



75.9670, 67.8020, 48.7780



82.0590, 71.4330, -0.5270



75.5140, -61.0660, -27.6740



81.8470, -83.0320, -4.0240

# Sweetspot

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



75.9670, 67.8020, 48.7780



185.3660, 25.9930, 19.0250



67.9450, 4.1150, 63.1150



90.3490, 15.4950, 11.0390



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



75.9670, 67.8020, 48.7780



76.5240, 103.7430, 74.7430



76.3990, 83.1200, 24.4640



81.1470, 4.0800, 3.1520



51.6900, 70.1400, 50.4600



7.9030, 10.8190, 7.6750



# Inverse Universe

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



75.9670, 67.8020, 48.7780



76.5240, 103.7430, 74.7430



120.6010, -83.1200, -24.4640



81.1470, 4.0800, 3.1520



51.6900, 70.1400, 50.4600



7.9030, 10.8190, 7.6750



# Previews

## White Background



This preview shows how the YIQ color 75.9670, 67.8020, 48.7780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

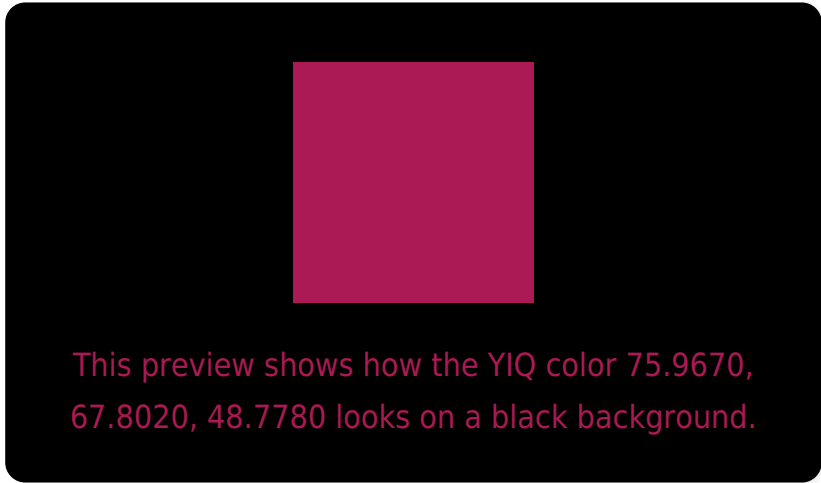
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

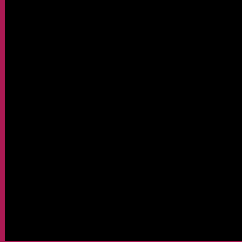
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 75.9670, 67.8020, 48.7780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.9670, 67.8020, 48.7780.



This preview shows how white text looks on a background with the YIQ color 75.9670, 67.8020,



# 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

75.9670, 67.8020, 48.7780

### Protanopia

91.3980, -12.5640, 7.4360

### Deuteranopia

90.9430, 13.3420, 0.4940



## Tritanopia

78.6850, 76.5630, 27.6590

# Trichromacy



## Original Color

75.9670, 67.8020, 48.7780

## Protanomaly

86.0970, 16.6850, 22.5170

## Deuteranomaly

85.5470, 32.7330, 18.0210

## Tritanomaly

77.8730, 73.3980, 35.4620

# Monochromacy



## Original Color

75.9670, 67.8020, 48.7780

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.2410, 24.8470, 17.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.9670, 67.8020, 48.7780 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(171, 26, 84)` looks like.

```
.text, #text, p{  
    color:rgb(171, 26, 84)  
}
```

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(171, 26, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 26, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 75.9670, 67.8020, 48.7780 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(171, 26, 84) }
```



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

```
.border{ border-color:rgb(171, 26, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 26, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 26, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 26, 84);  
box-shadow:4px 4px 4px 4px rgb(171, 26,  
84) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.9670, 67.8020, 48.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 26, 84) }
```

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

```
.background{ background-color: rgb(171, 26,  
84) }
```

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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