

# Converting Colors

YIQ(75.8010, 73.9010, 42.8690)

Have a look what the booklet for  
YIQ(75.8010, 73.9010, 42.8690)  
contains.

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# Color

**YIQ(75.8010, 73.9010,  
42.8690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD1C43
RGB	173, 28, 67
RGB Percent	68%, 11%, 26%
CMY	0.3212, 0.8904, 0.7370
CMYK	0.00, 0.84, 0.61, 0.32
HSL	344°, 72%, 39%
HSV	344°, 84%, 68%
XYZ	18.6834, 10.1287, 6.2911
YIQ	75.8010, 73.9010, 42.8690

# Conversions

## Conversions Part 2

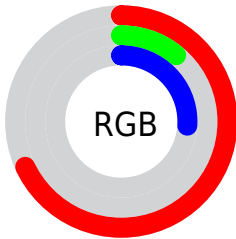
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 28, 67
Decimal	11344963
CIELab	38.07, 57.65, 15.91
CIELCh	38, 59.805, 15.428
Yxy	10.1287, 0.5322, 0.2885
Android (android.graphics.Color)	4289535043 (0xFFAD1C43)
YUV	75.8010, -4.3389, 85.2435
Hunter-Lab	31.8255, 49.0947, 10.5579

# Details

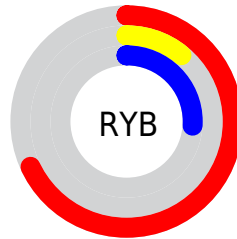
The YIQ color **75.8010, 73.9010, 42.8690** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **125.1990, -73.9010, -42.8690**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.9060, 77.7990, 38.3030**, and **36.6370, 59.3230, 31.7310** is the 20% darker color. If you saturate the color by 10%, you get **64.3400, 82.7490, 47.7170**, and if you desaturate by 10%, it is **87.2620, 65.0530, 38.0210**.

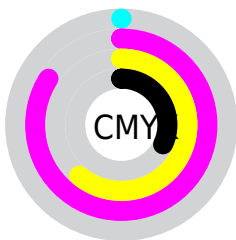
# Distribution



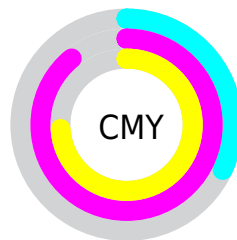
- Red (68%)
- Green (11%)
- Blue (26%)



- Red (68%)
- Yellow (11%)
- Blue (26%)



- Cyan (0%)
- Magenta (84%)
- Yellow (61%)
- Black (32%)




- Cyan (32%)
- Magenta (89%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.8010, 73.9010, 42.8690 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 75.8010, 73.9010, 42.8690 by changing the saturation by 10% instead.





 75.8010, 73.9010,  
42.8690


 75.8010, 73.9010,  
42.8690


255.0000, -0.0000,  
-0.0000


 47.8870, 70.7830,  
44.3110


 135.9060, 77.7990,  
38.3030


 36.6370, 59.3230,  
31.7310


 161.4710, 74.5900,  
35.8860


 25.4150, 50.6600,  
18.0200

 180.8710, 58.5440,  
29.3280

 17.2710, 33.3300,  
12.7060

 200.4990, 41.8560,  
23.3920

 4.4850, 8.9400,  
3.1800

 220.6000, 25.2140,  
16.6220

 0.0000, 0.0000,  
0.0000

 240.9290, 7.9300,

10.4740

■ 75.8010, 73.9010,  
42.8690

■ 75.8010, 73.9010,  
42.8690

■ 64.3400, 82.7490,  
47.7170

■ 87.2620, 65.0530,  
38.0210

■ 57.0850, 88.0210,  
51.2930

■ 99.1960, 56.2510,  
32.3390

■ 110.6570, 47.4030,  
27.4910

■ 122.1180, 38.5550,  
22.6430

■ 133.4650, 30.0280,  
17.4840

■ 145.5130, 20.9050,  
12.1130

■ 156.9740, 12.0570,  
7.2650

■ 168.3210, 3.5300,  
2.1060

■ 180.3690, -5.5930,  
-3.2650

# Harmonies

## Analogous

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



81.8050, 50.8830, 52.5390



75.8010, 73.9010, 42.8690



81.5190, 73.4940, 11.6860

# Triad

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



75.8010, 73.9010, 42.8690



67.2880, -20.3480, -49.7560



80.8500, -87.1140, 3.8780

# Complementary

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



75.8010, 73.9010, 42.8690



125.1990, -73.9010, -42.8690

# 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.



81.9950, -80.6930, -7.8690



75.8010, 73.9010, 42.8690



71.1650, -50.1980, -37.4140

# Square

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



75.8010, 73.9010, 42.8690



81.4790, 25.1310, -31.4530



78.1530, -67.1190, -22.5990



72.0450, -82.9890, 11.7230



# Rectangle

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



75.8010, 73.9010, 42.8690



83.5370, 63.9150, -7.4530



78.1530, -67.1190, -22.5990



81.9270, -86.0130, 0.4430

# Sweetspot

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



75.8010, 73.9010, 42.8690



186.4540, 28.5610, 16.5370



75.6260, 15.4390, 67.1430



89.8930, 16.7790, 9.7950



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.



75.8010, 73.9010, 42.8690



73.8160, 114.2440, 66.1480



89.5520, 77.8950, 14.5270



80.9190, 4.7220, 2.5300



49.5240, 76.2390, 44.5510



7.5610, 11.7820, 6.7420



# Inverse Universe

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



75.8010, 73.9010, 42.8690



73.8160, 114.2440, 66.1480



111.4480, -77.8950, -14.5270



80.9190, 4.7220, 2.5300



49.5240, 76.2390, 44.5510



7.5610, 11.7820, 6.7420



# Previews

## White Background



This preview shows how the YIQ color 75.8010, 73.9010, 42.8690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

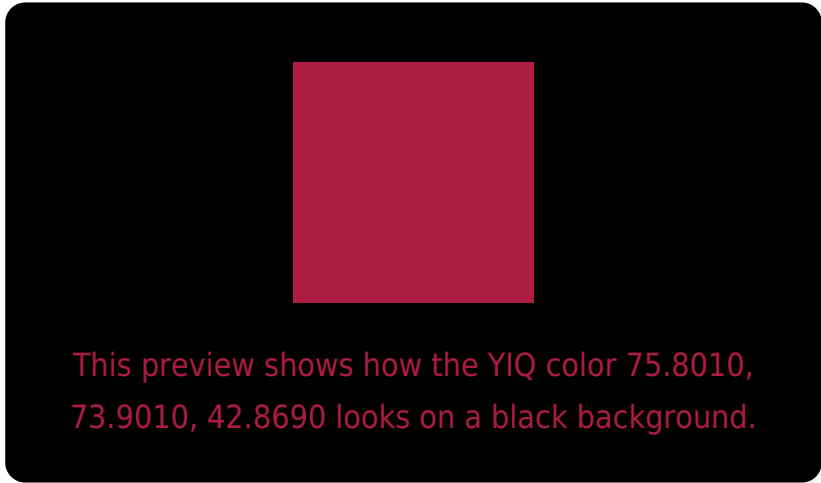
Any Text WCAG AA ✓ Pass

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

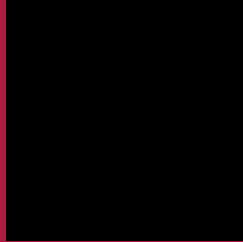
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 75.8010, 73.9010, 42.8690

## Background



This preview shows how black text looks on a background with the YIQ color 75.8010, 73.9010, 42.8690.



This preview shows how white text looks on a background with the YIQ color 75.8010, 73.9010,



# 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

75.8010, 73.9010, 42.8690

### Protanopia

91.6410, -0.3670, 1.1450

### Deuteranopia

90.5000, 21.7790, -3.7330



## Tritanopia

76.6640, 81.0560, 28.8320

# Trichromacy



## Original Color

75.8010, 73.9010, 42.8690

## Protanomaly

85.6710, 26.4520, 16.2120

## Deuteranomaly

85.3920, 40.2990, 13.0590

## Tritanomaly

76.1570, 78.3500, 33.8220

# Monochromacy



## Original Color

75.8010, 73.9010, 42.8690

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.1440, 26.4980, 15.3780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.8010, 73.9010, 42.8690 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(173, 28, 67)` looks like.

```
.text, #text, p{  
    color:rgb(173, 28, 67)  
}
```

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(173, 28, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 28, 67) }
```

## Border

The CSS property to change the border of an element to YIQ 75.8010, 73.9010, 42.8690 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(173, 28, 67) }
```



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

```
.border{ border-color:rgb(173, 28, 67) }
```

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

Here you see how a box with a 4 pixel rgb(173, 28, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 28, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 28, 67);  
box-shadow:4px 4px 4px 4px rgb(173, 28,  
67) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.8010, 73.9010, 42.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 28, 67) }
```

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

```
.background{ background-color: rgb(173, 28,  
67) }
```

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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