

Converting Colors

YIQ(38.6970, 41.8990, 39.1390)

Have a look what the booklet for
YIQ(38.6970, 41.8990, 39.1390)
contains.

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Color

**YIQ(38.6970, 41.8990,
39.1390)**

Conversions

Conversions Part 1

Format	Color
Hex	67023B
RGB	103, 2, 59
RGB Percent	40%, 1%, 23%
CMY	0.5958, 0.9923, 0.7685
CMYK	0.00, 0.98, 0.43, 0.60
HSL	326°, 96%, 21%
HSV	326°, 98%, 40%
XYZ	6.4131, 3.2463, 4.4305
YIQ	38.6970, 41.8990, 39.1390

Conversions

Conversions Part 2

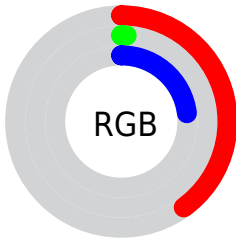
Format	Color
RYB	103, 2, 59
Decimal	6750779
CIELab	21.00, 44.05, -4.99
CIELCh	21, 44.333, 353.538
Yxy	3.2463, 0.4552, 0.2304
Android (android.graphics.Color)	4284940859 (0xFF67023B)
YUV	38.6970, 10.0094, 56.3937
Hunter-Lab	18.0175, 32.0037, -1.9671

Details

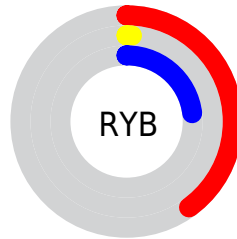
The YIQ color **38.6970, 41.8990, 39.1390** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **66.3030, -41.8990, -39.1390**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.3070, 42.8170, 33.5130**, and **17.7850, 26.1310, 16.5230** is the 20% darker color. If you saturate the color by 10%, you get **37.4090, 42.7700, 39.8740**, and if you desaturate by 10%, it is **45.1370, 37.5440, 35.4640**.

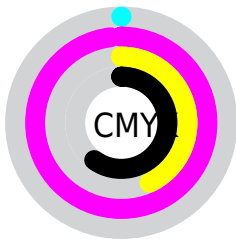
Distribution



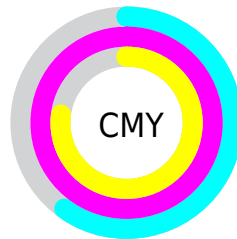
- Red (40%)
- Green (1%)
- Blue (23%)



- Red (40%)
- Yellow (1%)
- Blue (23%)



- Cyan (0%)
- Magenta (98%)
- Yellow (43%)
- Black (60%)



- Cyan (60%)
- Magenta (99%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.6970, 41.8990, 39.1390 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 38.6970, 41.8990, 39.1390 by changing the saturation by 10% instead.

■ 38.6970, 41.8990,
39.1390

■ 38.6970, 41.8990,
39.1390

■ 255.0000, -0.0000,
-0.0000

■ 26.9420, 33.4190,
27.6190

■ 96.3070, 42.8170,
33.5130

■ 17.7850, 26.1310,
16.5230

■ 122.7910, 44.3300,
33.6260

■ 3.8870, 7.7480,
2.7560

■ 149.6880, 46.1180,
34.2620

■ 0.0000, 0.0000,
0.0000


■ 177.5850, 47.9060,
34.8980


■ 199.6160, 37.4530,
31.6050


■ 219.2440, 20.7650,


25.6690


 237.9770, 7.9750,
15.1670


 38.6970, 41.8990,
39.1390


 38.6970, 41.8990,
39.1390


 37.4090, 42.7700,
39.8740

 45.1370, 37.5440,
35.4640

 52.0500, 33.2350,
30.9550

 58.3760, 29.2010,
26.9690

 64.8160, 24.8460,
23.2940

 71.7290, 20.5370,
18.7850

■ 78.1690, 16.1820,
15.1100

■ 84.4950, 12.1480,
11.1240

■ 90.9350, 7.7930,
7.4490

■ 97.8480, 3.4840,
2.9400

Harmonies

Analogous

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



50.0400, 12.8320, 31.7760



38.6970, 41.8990, 39.1390



39.1690, 51.7130, 26.4730

Triad

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



38.6970, 41.8990, 39.1390



44.5330, 7.8440, -21.0200



48.7230, -50.3880, -0.9160

Complementary

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



38.6970, 41.8990, 39.1390



66.3030, -41.8990, -39.1390

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.



46.2320, -41.9960, -9.8360



38.6970, 41.8990, 39.1390



36.3770, -18.3800, -30.3480

Square

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



38.6970, 41.8990, 39.1390



48.2200, 28.1990, -9.9530



42.3560, -31.0820, -20.4100



46.6830, -52.9110, 6.2650

Rectangle

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



38.6970, 41.8990, 39.1390



43.6180, 51.1660, 8.8460



42.3560, -31.0820, -20.4100



47.8110, -47.8200, -3.4040

Sweetspot

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



38.6970, 41.8990, 39.1390



110.1690, 16.1820, 15.1100



26.6700, -6.1970, 40.7390



53.6580, 10.1310, 9.1310



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



38.6970, 41.8990, 39.1390



49.0290, 56.0640, 52.2560



32.9970, 57.9490, 23.5890



47.8370, 2.0170, 1.9930



41.7950, 47.6750, 44.5950



87.9760, 100.2550, 93.9110

Inverse Universe

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



38.6970, 41.8990, 39.1390



49.0290, 56.0640, 52.2560



72.0030, -57.9490, -23.5890



47.8370, 2.0170, 1.9930



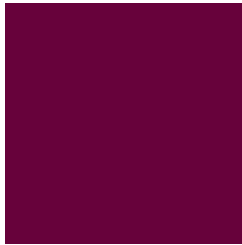
41.7950, 47.6750, 44.5950



87.9760, 100.2550, 93.9110

Previews

White Background



This preview shows how the YIQ color 38.6970, 41.8990, 39.1390 looks on a white background.

Color Contrast Check

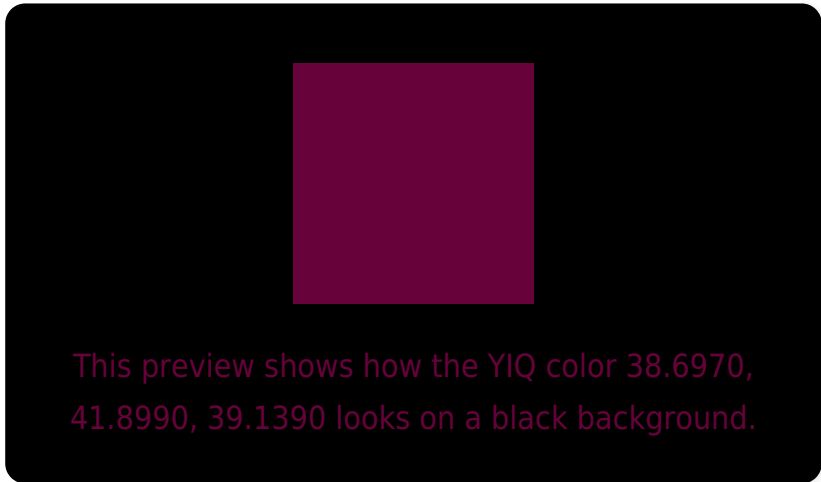
Large Text (above 18pt) WCAG AA ✓ Pass

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

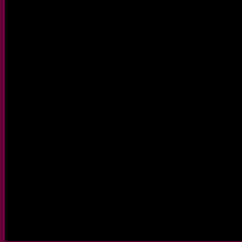
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.6970, 41.8990, 39.1390

Background



This preview shows how black text looks on a background with the YIQ color 38.6970, 41.8990, 39.1390.



This preview shows how white text looks on a background with the YIQ color 38.6970, 41.8990,

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

38.6970, 41.8990, 39.1390

Protanopia

53.6580, -16.2320, 7.8320

Deuteranopia

54.4350, 3.2090, 2.4170



Tritanopia

46.4360, 46.1670, 16.8470

Trichromacy



Original Color

38.6970, 41.8990, 39.1390

Protanomaly

48.0570, 4.9940, 19.6340

Deuteranomaly

48.7670, 17.3740, 15.5340

Tritanomaly

43.5210, 44.7900, 25.2860

Monochromacy



Original Color

38.6970, 41.8990, 39.1390

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.0440, 15.0360, 13.8520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.6970, 41.8990, 39.1390 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(103, 2, 59)` looks like.

```
.text, #text, p{  
    color:rgb(103, 2, 59)  
}
```

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(103, 2, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 2, 59) }
```

Border

The CSS property to change the border of an element to YIQ 38.6970, 41.8990, 39.1390 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(103, 2, 59) }
```


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

```
.border{ border-color:rgb(103, 2, 59) }
```

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

Here you see how a box with a 4 pixel rgb(103, 2, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 2, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 2, 59);  
box-shadow:4px 4px 4px 4px rgb(103, 2, 59)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.6970, 41.8990, 39.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 2, 59) }
```

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

```
.background{ background-color: rgb(103, 2,  
59) }
```

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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