

Converting Colors

YIQ(31.3770, 19.4330, 38.8010)

Have a look what the booklet for
YIQ(31.3770, 19.4330, 38.8010)
contains.

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Color

**YIQ(31.3770, 19.4330,
38.8010)**

Conversions

Conversions Part 1

Format	Color
Hex	4A014C
RGB	74, 1, 76
RGB Percent	29%, 0%, 30%
CMY	0.7096, 0.9962, 0.7019
CMYK	0.03, 0.99, 0.00, 0.70
HSL	298°, 97%, 15%
HSV	298°, 99%, 30%
XYZ	4.1436, 2.0010, 7.0062
YIQ	31.3770, 19.4330, 38.8010

Conversions

Conversions Part 2

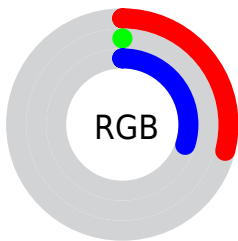
Format	Color
RYB	74, 1, 76
Decimal	4849996
CIELab	15.49, 40.23, -25.85
CIElCh	15, 47.818, 327.281
Yxy	2.0010, 0.3151, 0.1522
Android (android.graphics.Color)	4283040076 (0xFF4A014C)
YUV	31.3770, 21.9991, 37.3804
Hunter-Lab	14.1457, 27.5316, -19.4638

Details

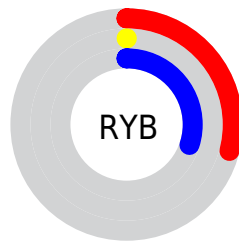
The YIQ color **31.3770, 19.4330, 38.8010** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **45.6230, -19.4330, -38.8010**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **84.7960, 19.5710, 36.2990**, and **11.0090, 4.9490, 14.9410** is the 20% darker color. If you saturate the color by 10%, you get **30.7900, 19.7080, 39.3240**, and if you desaturate by 10%, it is **36.0730, 17.2330, 34.6170**.

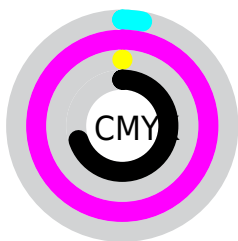
Distribution



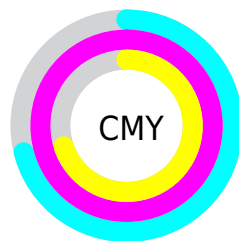
- Red (29%)
- Green (0%)
- Blue (30%)



- Red (29%)
- Yellow (0%)
- Blue (30%)



- Cyan (3%)
- Magenta (99%)
- Yellow (0%)
- Black (70%)





- Cyan (71%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 31.3770, 19.4330, 38.8010 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 31.3770, 19.4330, 38.8010 by changing the saturation by 10% instead.


 31.3770, 19.4330,
38.8010


 31.3770, 19.4330,
38.8010


 248.5430, 3.0250,
5.7530


 20.9920, 12.7870,
27.0830

 84.7960, 19.5710,
36.2990

 11.0090, 4.9490,
14.9410


 110.5080, 20.4420,
37.0340

 0.2280, -0.6420,
0.6220

 136.9210, 20.7170,
37.5570


 0.0000, 0.0000,
0.0000


 163.7470, 21.2670,
38.6030


 191.4590, 22.1380,
39.3380


 215.0840, 18.7000,


35.5640


 232.1070, 10.7250,
20.3970


 31.3770, 19.4330,
38.8010


 31.3770, 19.4330,
38.8010


 30.7900, 19.7080,
39.3240

 36.0730, 17.2330,
34.6170

 40.1820, 15.3080,
30.9560

 45.1770, 13.7040,
26.9840

 49.2860, 11.7790,
23.3230

 53.9820, 9.5790,
19.1390

■ 58.6780, 7.3790,
14.9550

■ 62.7870, 5.4540,
11.2940

■ 67.7820, 3.8500,
7.3220

■ 71.8910, 1.9250,
3.6610

Harmonies

Analogous

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



33.7830, -32.2810, 17.8550



31.3770, 19.4330, 38.8010



32.7090, 41.6250, 33.0890

Triad

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



31.3770, 19.4330, 38.8010



37.2670, 20.8170, -8.3270



38.3900, -36.4490, -5.7370

Complementary

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



31.3770, 19.4330, 38.8010



45.6230, -19.4330, -38.8010

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.



34.5140, -25.5350, -16.3110



31.3770, 19.4330, 38.8010



31.4980, -2.2430, -19.9310

Square

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



31.3770, 19.4330, 38.8010



33.8770, 40.0710, 6.1750



28.7630, -13.4750, -25.6270



40.8810, -44.8410, 3.1830

Rectangle

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



31.3770, 19.4330, 38.8010



30.5000, 49.2830, 26.4590



28.7630, -13.4750, -25.6270



37.1360, -32.9180, -9.1580

Sweetspot

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



31.3770, 19.4330, 38.8010



81.9770, 7.9750, 15.1670



10.7240, -24.6250, 22.2790



40.4340, 4.9500, 9.4140



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



31.3770, 19.4330, 38.8010



40.2890, 26.0330, 51.3530



27.9850, 31.8600, 28.3400



35.6520, 1.1000, 2.0920



41.2290, 26.2620, 52.7100



93.1960, 59.6740, 119.0180

Inverse Universe

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



23.6530, 44.0580, 16.5220



29.9430, 58.0410, 21.9210



49.0150, -31.8600, -28.3400



35.3100, 2.0630, 1.1590



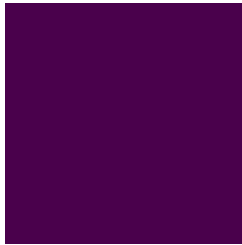
30.8400, 59.8290, 22.5570



69.4540, 135.1540, 50.6260

Previews

White Background



This preview shows how the YIQ color 31.3770, 19.4330, 38.8010 looks on a white background.

Color Contrast Check

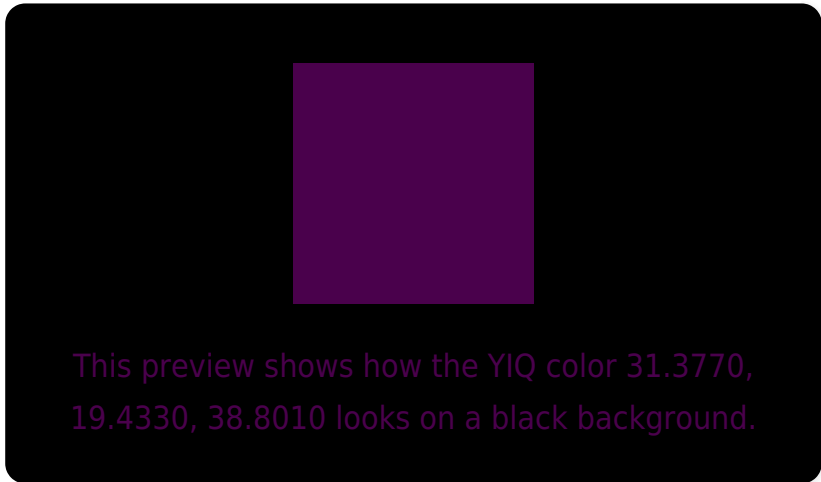
Large Text (above 18pt) WCAG AA ✓ Pass

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

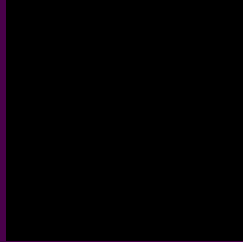
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.3770, 19.4330, 38.8010

Background



This preview shows how black text looks on a background with the YIQ color 31.3770, 19.4330, 38.8010.



This preview shows how white text looks on a background with the YIQ color 31.3770, 19.4330,

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

31.3770, 19.4330, 38.8010

Protanopia

33.9850, -39.2020, 5.6140

Deuteranopia

40.2120, -20.9080, 4.4680



Tritanopia

41.8890, 22.6020, 8.8900

Trichromacy



Original Color

31.3770, 19.4330, 38.8010

Protanomaly

32.7970, -17.7010, 17.9390

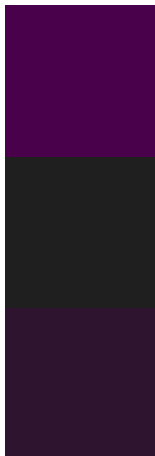
Deuteranomaly

37.3160, -6.1010, 16.9630

Tritanomaly

37.8540, 21.6830, 20.0430

Monochromacy



Original Color

31.3770, 19.4330, 38.8010

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.1510, 7.4250, 14.1210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.3770, 19.4330, 38.8010 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(74, 1, 76)` looks like.

```
.text, #text, p{  
    color:rgb(74, 1, 76)  
}
```

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(74, 1, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 1, 76) }
```

Border

The CSS property to change the border of an element to YIQ 31.3770, 19.4330, 38.8010 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(74, 1, 76) }
```


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

```
.border{ border-color:rgb(74, 1, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 1, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 1, 76); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 1, 76); box-shadow:4px  
4px 4px 4px rgb(74, 1, 76) }
```

Background

The CSS property to change the background color of an element to YIQ 31.3770, 19.4330, 38.8010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 1, 76) }
```

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

```
.background{ background-color: rgb(74, 1,  
76) }
```

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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