

Converting Colors

YIQ(49.3380, 24.3370, 49.0490)

Have a look what the booklet for
YIQ(49.3380, 24.3370, 49.0490)
contains.

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Color

**YIQ(49.3380, 24.3370,
49.0490)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 670B6A |
| RGB | 103, 11, 106 |
| RGB Percent | 40%, 4%, 42% |
| CMY | 0.5958, 0.9570, 0.5843 |
| CMYK | 0.03, 0.90, 0.00, 0.58 |
| HSL | 298°, 81%, 23% |
| HSV | 298°, 90%, 42% |
| XYZ | 8.3227, 4.1670, 14.0029 |
| YIQ | 49.3380, 24.3370, 49.0490 |

Conversions

Conversions Part 2

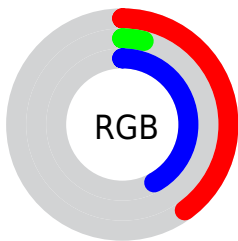
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 103, 11, 106 |
| Decimal | 6753130 |
| CIE _{Lab} | 24.22, 48.69, -31.61 |
| CIE _{LCh} | 24, 58.050, 327.002 |
| Yxy | 4.1670, 0.3142, 0.1573 |
| Android (android.graphics.Color) | 4284943210 (0xFF670B6A) |
| YUV | 49.3380, 27.9344, 47.0616 |
| Hunter-Lab | 20.4131, 37.0540, -26.3824 |

Details

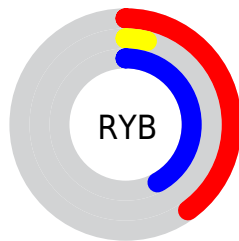
The YIQ color **49.3380, 24.3370, 49.0490** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **67.6620, -24.3370, -49.0490**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **106.0450, 23.6040, 45.8120**, and **22.1600, 12.3740, 29.0620** is the 20% darker color. If you saturate the color by 10%, you get **42.8810, 27.3620, 54.8020**, and if you desaturate by 10%, it is **55.7950, 21.3120, 43.2960**.

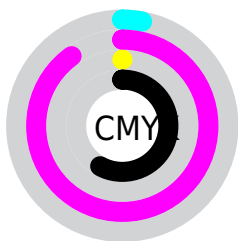
Distribution



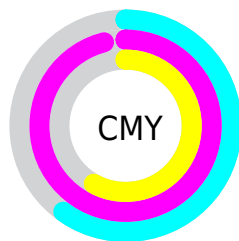
- Red (40%)
- Green (4%)
- Blue (42%)



- Red (40%)
- Yellow (4%)
- Blue (42%)



- Cyan (3%)
- Magenta (90%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (96%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.3380, 24.3370, 49.0490 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 49.3380, 24.3370, 49.0490 by changing the saturation by 10% instead.

49.3380, 24.3370,
49.0490

49.3380, 24.3370,
49.0490

255.0000, -0.0000,
-0.0000

32.2570, 19.8910,
41.5150

106.0450, 23.6040,
45.8120

22.1600, 12.3740,
29.0620

132.7570, 24.4750,
46.5470

12.1770, 4.5360,
16.9200

159.8820, 25.6210,
47.8050

1.2540, -3.5310,
3.4210

187.5940, 26.4920,
48.5400


0.0000, 0.0000,
0.0000


209.2140, 21.4500,
40.7940


225.6500, 13.7500,


26.1500


 242.6730, 5.7750,
10.9830


 49.3380, 24.3370,
49.0490


 49.3380, 24.3370,
49.0490


 42.8810, 27.3620,
54.8020

 55.7950, 21.3120,
43.2960

 61.9640, 19.1580,
38.2780

 68.4210, 16.1330,
32.5250

 74.2910, 13.3830,
27.2950

 81.0470, 10.9540,
21.7540

■ 87.5040, 7.9290,
16.0010

■ 93.3740, 5.1790,
10.7710

■ 100.1300, 2.7500,
5.2300

■ 106.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



52.1660, -40.4890, 23.4390



49.3380, 24.3370, 49.0490



45.5680, 55.7440, 47.0400

Triad

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



49.3380, 24.3370, 49.0490



54.7100, 29.5750, -12.8650



55.0830, -51.7620, -9.0580

Complementary

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



49.3380, 24.3370, 49.0490



67.6620, -24.3370, -49.0490

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.



49.3660, -37.0420, -22.5300



49.3380, 24.3370, 49.0490



48.3100, 0.9220, -27.7340

Square

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



49.3380, 24.3370, 49.0490



50.7770, 54.9720, 5.9480



42.2640, -19.8000, -37.6560



57.8990, -62.4470, 2.8730

Rectangle

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



49.3380, 24.3370, 49.0490



42.9740, 65.9240, 38.7560



42.2640, -19.8000, -37.6560



53.3730, -46.9470, -13.7230

Sweetspot

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



49.3380, 24.3370, 49.0490



115.9820, 9.5790, 19.1390



23.5910, -31.3200, 27.9760



55.7870, 5.4540, 11.2940



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.



49.3380, 24.3370, 49.0490



55.4990, 34.9700, 71.1140



45.2190, 40.2490, 36.0010



50.1790, 1.0540, 2.9260



47.4240, 30.3870, 60.5550



98.7930, 62.6070, 126.4390

Inverse Universe

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



39.7470, 55.6570, 21.0730



41.7180, 80.9640, 30.5000



71.7810, -40.2490, -36.0010



49.7940, 3.5760, 1.2720



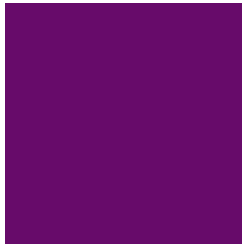
35.4390, 68.4480, 26.0480



74.1670, 143.4520, 54.4280

Previews

White Background



This preview shows how the YIQ color 49.3380, 24.3370, 49.0490 looks on a white background.

Color Contrast Check

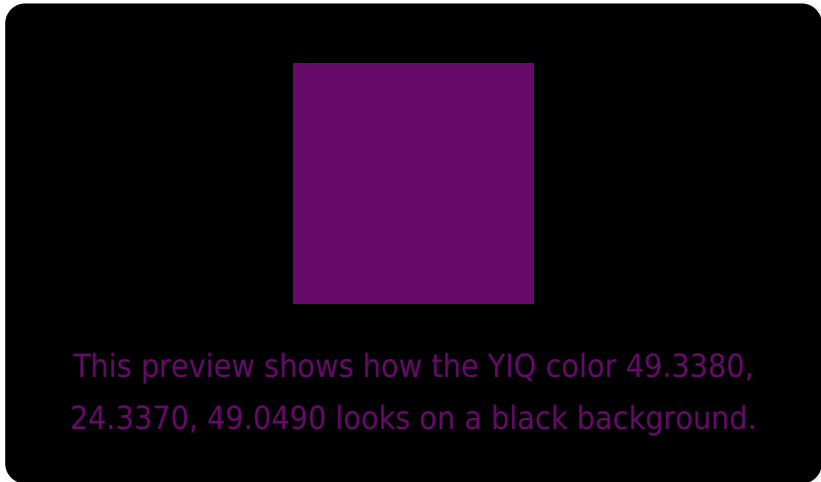
Large Text (above 18pt) WCAG AA ✓ Pass

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

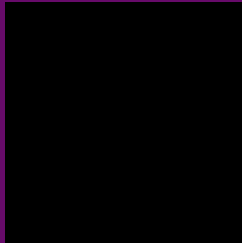
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.3380, 24.3370, 49.0490

Background



This preview shows how black text looks on a background with the YIQ color 49.3380, 24.3370, 49.0490.



This preview shows how white text looks on a background with the YIQ color 49.3380, 24.3370,

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

49.3380, 24.3370, 49.0490

Protanopia

47.9540, -55.1120, 7.6080

Deuteranopia

56.4870, -28.9320, 6.7160



Tritanopia

58.4880, 31.2210, 12.3810

Trichromacy



Original Color

49.3380, 24.3370, 49.0490

Protanomaly

48.3540, -26.4590, 22.4770

Deuteranomaly

53.6240, -9.7240, 22.0520

Tritanomaly

55.4360, 28.9720, 25.6120

Monochromacy



Original Color

49.3380, 24.3370, 49.0490

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.1560, 9.0290, 18.0930

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.3380, 24.3370, 49.0490 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, 11, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 11, 106)  
}
```

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, 11, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 11, 106) }
```

Border

The CSS property to change the border of an element to YIQ 49.3380, 24.3370, 49.0490 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, 11, 106) }
```


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

```
.border{ border-color:rgb(103, 11, 106) }
```

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

Here you see how a box with a 4 pixel rgb(103, 11, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 11, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 11, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 11,  
106) }
```

Background

The CSS property to change the background color of an element to YIQ 49.3380, 24.3370, 49.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 11, 106) }
```

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

```
.background{ background-color: rgb(103, 11,  
106) }
```

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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