

Converting Colors

YIQ(38.8000, 22.9160, 47.2680)

Have a look what the booklet for
YIQ(38.8000, 22.9160, 47.2680)
contains.

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Color

**YIQ(38.8000, 22.9160,
47.2680)**

Conversions

Conversions Part 1

Format	Color
Hex	5A025E
RGB	90, 2, 94
RGB Percent	35%, 1%, 37%
CMY	0.6468, 0.9923, 0.6314
CMYK	0.04, 0.98, 0.00, 0.63
HSL	297°, 96%, 19%
HSV	297°, 98%, 37%
XYZ	6.2650, 3.0279, 10.8451
YIQ	38.8000, 22.9160, 47.2680

Conversions

Conversions Part 2

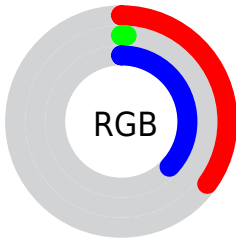
Format	Color
R_{YB}	90, 2, 94
Decimal	5898846
CIE _{Lab}	20.16, 46.13, -30.37
CIE _{LCh}	20, 55.233, 326.641
Yxy	3.0279, 0.3111, 0.1504
Android (android.graphics.Color)	4284088926 (0xFF5A025E)
YUV	38.8000, 27.2136, 44.9024
Hunter-Lab	17.4010, 33.8149, -24.7717

Details

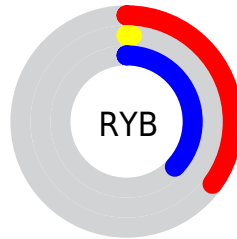
The YIQ color **38.8000, 22.9160, 47.2680** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **57.2000, -22.9160, -47.2680**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.6810, 21.6330, 42.9850**, and **18.3290, 10.2200, 24.0440** is the 20% darker color. If you saturate the color by 10%, you get **37.6260, 23.4660, 48.3140**, and if you desaturate by 10%, it is **44.0830, 20.4410, 42.5610**.

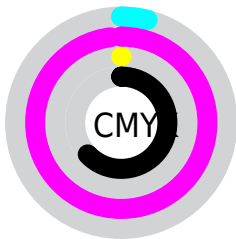
Distribution



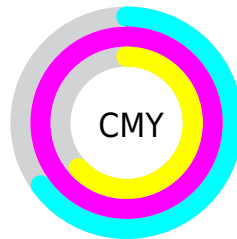
- Red (35%)
- Green (1%)
- Blue (37%)



- Red (35%)
- Yellow (1%)
- Blue (37%)



- Cyan (4%)
- Magenta (98%)
- Yellow (0%)
- Black (63%)



- Cyan (65%)
- Magenta (99%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.8000, 22.9160, 47.2680 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 38.8000, 22.9160, 47.2680 by changing the saturation by 10% instead.

■ 38.8000, 22.9160,
47.2680

■ 38.8000, 22.9160,
47.2680

■ 253.8260, 0.5500,
1.0460

■ 27.1160, 15.6740,
35.3380

■ 95.6810, 21.6330,
42.9850

■ 18.3290, 10.2200,
24.0440

■ 122.3930, 22.5040,
43.7200

■ 2.8500, -8.0250,
7.7750

■ 149.1050, 23.3750,
44.4550

■ 0.0000, 0.0000,
0.0000


■ 176.8170, 24.2460,
45.1900


■ 203.9310, 23.9250,
45.5010


■ 220.3670, 16.2250,


30.8570


 236.8030, 8.5250,
16.2130


 38.8000, 22.9160,
47.2680


 38.8000, 22.9160,
47.2680


 37.6260, 23.4660,
48.3140

 44.0830, 20.4410,
42.5610

 50.2520, 18.2870,
37.5430

 55.5350, 15.8120,
32.8360

 61.7040, 13.6580,
27.8180

 66.9870, 11.1830,
23.1110

■ 72.2700, 8.7080,
18.4040

■ 78.4390, 6.5540,
13.3860

■ 83.7220, 4.0790,
8.6790

■ 89.8910, 1.9250,
3.6610

Harmonies

Analogous

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



41.3890, -42.7350, 20.0890



38.8000, 22.9160, 47.2680



40.0570, 49.6930, 41.0610

Triad

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



38.8000, 22.9160, 47.2680



46.4370, 26.0900, -10.2780



47.1440, -44.5640, -7.3480

Complementary

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



38.8000, 22.9160, 47.2680



57.2000, -22.9160, -47.2680

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.



41.8830, -31.1280, -19.5760



38.8000, 22.9160, 47.2680



40.0480, -1.0960, -24.2000

Square

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



38.8000, 22.9160, 47.2680



42.1940, 49.4240, 7.3760



35.8070, -16.7750, -31.9030



50.3190, -54.8820, 3.4380

Rectangle

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



38.8000, 22.9160, 47.2680



37.6910, 59.2310, 33.3990



35.8070, -16.7750, -31.9030



45.6620, -40.3910, -11.3910

Sweetspot

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



38.8000, 22.9160, 47.2680



101.1560, 9.0290, 18.0930



15.4230, -30.9070, 25.9970



48.3740, 5.1790, 10.7710



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



38.8000, 22.9160, 47.2680



48.8910, 30.5700, 62.7460



35.3220, 38.4610, 35.3650



43.0650, 1.3750, 2.6150



43.9350, 27.2700, 56.4700



94.8910, 59.2150, 121.8310

Inverse Universe

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



29.9640, 53.5480, 20.7480



37.0480, 71.1070, 27.4190



60.6780, -38.4610, -35.3650



42.6090, 2.6590, 1.3710



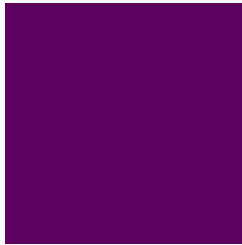
33.4600, 63.9550, 24.8750



72.0030, 138.0420, 53.3540

Previews

White Background



This preview shows how the YIQ color 38.8000, 22.9160, 47.2680 looks on a white background.

Color Contrast Check

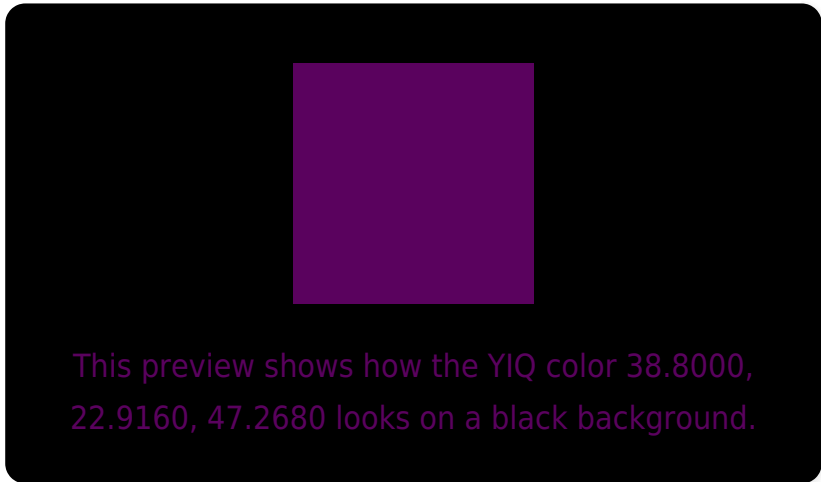
Large Text (above 18pt) WCAG AA ✓ Pass

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

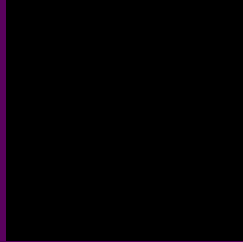
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.8000, 22.9160, 47.2680

Background



This preview shows how black text looks on a background with the YIQ color 38.8000, 22.9160, 47.2680.



This preview shows how white text looks on a background with the YIQ color 38.8000, 22.9160,

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

38.8000, 22.9160, 47.2680

Protanopia

41.5480, -48.0970, 7.1270

Deuteranopia

48.9170, -27.3270, 5.1610



Tritanopia

51.2810, 27.3700, 10.5860

Trichromacy



Original Color

38.8000, 22.9160, 47.2680

Protanomaly

40.8660, -22.1490, 21.4590

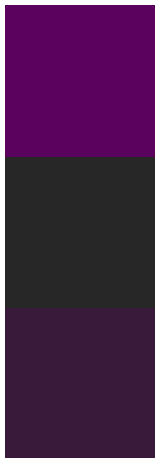
Deuteranomaly

44.8690, -9.0360, 20.5960

Tritanomaly

46.5280, 25.7170, 24.0290

Monochromacy



Original Color

38.8000, 22.9160, 47.2680

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.3300, 8.4790, 17.0470

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.8000, 22.9160, 47.2680 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(90, 2, 94)` looks like.

```
.text, #text, p{  
    color:rgb(90, 2, 94)  
}
```

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(90, 2, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 2, 94) }
```

Border

The CSS property to change the border of an element to YIQ 38.8000, 22.9160, 47.2680 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(90, 2, 94) }
```


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

```
.border{ border-color:rgb(90, 2, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 2, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 2, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 2, 94); box-shadow:4px  
4px 4px 4px rgb(90, 2, 94) }
```

Background

The CSS property to change the background color of an element to YIQ 38.8000, 22.9160, 47.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 2, 94) }
```

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

```
.background{ background-color: rgb(90, 2,  
94) }
```

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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